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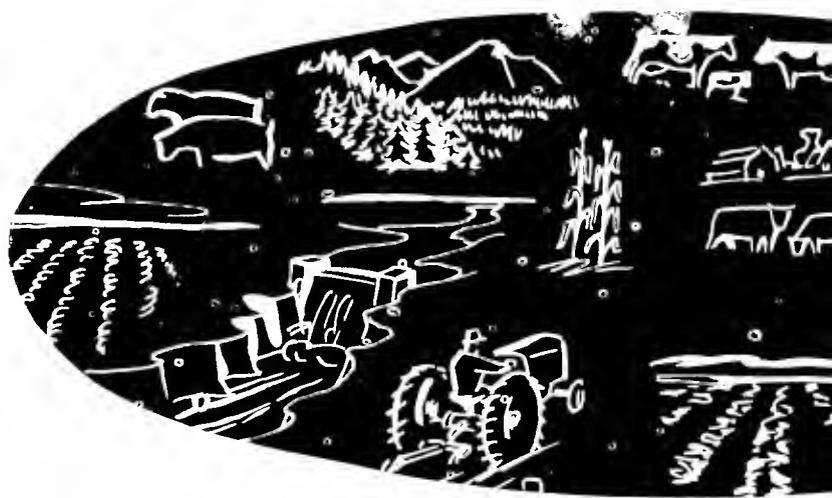


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USE OF FERTILIZER AND LIME

(A Cooperative Report)



SPECIAL REPORTS



1954 Census of Agriculture

U. S. DEPARTMENT OF COMMERCE
BUREAU OF THE CENSUS

U. S. DEPARTMENT OF AGRICULTURE
AGRICULTURAL RESEARCH SERVICE

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Agricultural Research Service
Byran T. Shaw, Administrator

U. S. Department of Commerce
Sinclair Weeks, Secretary

Bureau of the Census
Robert W. Burgess, Director

United States Census of Agriculture: 1954

Volume III Special Reports

Part 10

Use of Fertilizer and Lime

(A Cooperative Report)

Prepared under the supervision of

RAY HURLEY

Chief, Agriculture Division

**CROPS and ACREAGE IRRIGATED.
QUANTITY USED • EXPENDITURES.**



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PREFACE

Volume III, Special Reports, comprises a group of special compilations and summaries of data from the 1954 Census of Agriculture and related surveys. The purpose of Part 10, "Use of Fertilizer and Lime" is to present in one publication most of the detailed data compiled for the 1954 Census of Agriculture regarding the use of fertilizer and lime. The report presents data for counties, State economic areas, and generalized type-of-farming areas regarding the quantity used, acreage on which used, and expenditures for fertilizer and lime.

This report has been prepared cooperatively by the Bureau of the Census of the U. S. Department of Commerce and the Agricultural Research Service of the U. S. Department of Agriculture. This cooperative report was prepared under the direction of Ray Hurley, Chief of the Agriculture Division of the Bureau of the Census. The report was outlined and the text was written by Donald B. Ibach, Agricultural Economist, and by J. Richards Adams, Senior Chemist, Agricultural Research Service of the U. S. Department of Agriculture. Gladys L. Eagle, Lois Miller, and Julia H. Moring of the Bureau of the Census aided in the preparation of the report.

UNITED STATES CENSUS OF AGRICULTURE: 1954

REPORTS

Volume I.—Counties and State Economic Areas. Statistics for counties include number of farms, acreage, value, and farm operators; farms by color and tenure of operator; facilities and equipment; use of commercial fertilizer; farm labor; farm expenditures; livestock and livestock products; specified crops harvested; farms classified by type of farm and by economic class; and value of products sold by source.

Data for State economic areas include farms and farm characteristics by tenure of operator, by type of farm, and by economic class.

Volume I is published in 33 parts as follows:

Part	State or States	Part	State or States	Part	State or States
1	New England States: Maine. New Hampshire. Vermont. Massachusetts. Rhode Island. Connecticut.	8 9 10 11 12	West North Central: Minnesota. Iowa. Missouri. North Dakota and South Dakota. Nebraska. Kansas.	21 22 23 24 25 26	East South Central—Continued Alabama. Mississippi. West South Central: Arkansas. Louisiana. Oklahoma. Texas.
2	Middle Atlantic States: New York. New Jersey. Pennsylvania.	13 14 15 16	South Atlantic: Delaware and Maryland. Virginia and West Virginia. North Carolina and South Carolina.	27 28 29 30 31	Mountain: Montana. Idaho. Wyoming and Colorado. New Mexico and Arizona. Utah and Nevada.
3	East North Central: Ohio.	17	Georgia.	32	Pacific: Washington and Oregon.
4	Indiana.	18	Florida.	33	California.
5	Illinois.	19	East South Central: Kentucky.		
6	Michigan.	20	Tennessee.		
7	Wisconsin.				

Volume II.—General Report. Statistics by Subjects, United States Census of Agriculture, 1954. Summary data and analyses of the data for States, for Geographic Divisions, and for the United States by subjects as illustrated by the chapter titles listed below:

Chapter	Title	Chapter	Title
I	Farms and Land in Farms.	VII	Field Crops and Vegetables.
II	Age, Residence, Years on Farm, Work Off Farm.	VIII	Fruits and Nuts, Horticultural Specialties, Forest Products.
III	Farm Facilities, Farm Equipment.	IX	Value of Farm Products.
IV	Farm Labor, Use of Fertilizer, Farm Expenditures, and Cash Rent.	X	Color, Race, and Tenure of Farm Operator.
V	Size of Farm.	XI	Economic Class of Farm.
VI	Livestock and Livestock Products.	XII	Type of Farm.

Volume III.—Special Reports

Part 1.—Multiple-unit Operations. This report will be similar to Part 2 of Volume V of the reports for the 1950 Census of Agriculture. It will present statistics for approximately 900 counties and State economic areas in 12 Southern States and Missouri for the number and characteristics of multiple-unit operations and farms in multiple units.

Part 2.—Ranking Agricultural Counties. This special report will present statistics for selected items of inventory and agricultural production for the leading counties in the United States.

Part 3.—Alaska, Hawaii, Puerto Rico, District of Columbia, and U. S. Possessions. These areas were not included in the 1954 Census of Agriculture. The available current data from various Government sources will be compiled and published in this report.

Part 4.—Agriculture, 1954, a Graphic Summary. This report will present graphically some of the significant facts regarding agriculture and agricultural production as revealed by the 1954 Census of Agriculture.

Part 5.—Farm-mortgage Debt. This will be a cooperative study by the Agricultural Research Service of the U. S. Department of Agriculture and the Bureau of the Census. It will present, by States, data based on the 1954 Census of Agriculture and a special mail survey to be conducted in January 1956, on the number of mortgaged farms, the amount of mortgage debt, and the amount of debt held by principal lending agencies.

Part 6.—Irrigation in Humid Areas. This cooperative report by the Agricultural Research Service of the U. S. Department of Agriculture and the Bureau of the Census will present data obtained by a mail survey of operators of irrigated farms in 28 States on the source of water, method of applying water, number of pumps used, acres of crops irrigated in 1954 and 1955, the number of times each crop was irrigated, and the cost of irrigation equipment and the irrigation system.

Part 7.—Popular Report of the 1954 Census of Agriculture. This report is planned to be a general, easy-to-read publication for the general public on the status and broad characteristics of United States agriculture. It will seek to delineate such aspects of agriculture as the geographic distribution and differences by size of farm for such items as farm acreage, principal crops, and important kinds of livestock, farm facilities, farm equipment, use of fertilizer, soil conservation practices, farm tenure, and farm income.

Part 8.—Size of Operation by Type of Farm. This will be a cooperative special report to be prepared in cooperation with the Agricultural Research Service of the U. S. Department of Agriculture. This report will contain data for 119 economic subregions, (essentially general type-of-farming areas) showing the general characteristics for each type of farm by economic class. It will provide data for a current analysis of the differences that exist among groups of farms of the same type. It will furnish statistical basis for a realistic examination of production of such commodities as wheat, cotton, and dairy products in connection with actual or proposed governmental policies and programs.

CONTENTS

	Page		Page
Introduction.....	VII	Definitions and explanations—Continued	
Definitions and explanations.....	VII	Crops fertilized in 1954.....	VIII
A farm.....	VII	Cropland pasture.....	IX
Farms reporting.....	VII	Improved pasture.....	IX
Irrigated farms.....	VII	Acres of hay.....	IX
Farms by economic class.....	VII	Source and reliability of data for 1954.....	IX
Farms classified by type.....	VII	Expenditures for 1954.....	IX
All crop farms.....	VII	Areas for which data are presented.....	IX
All livestock farms.....	VIII	Expenditures for fertilizer 1879 to 1954.....	X
General crop and livestock farms.....	VIII	Changes in use of fertilizer and lime.....	X
All other farms.....	VIII	Consumption of commercial fertilizer and liming materials in	
Farms by tenure of farm operator.....	VIII	the United States.....	X
Owners, part owners, and managers.....	VIII	Use of fertilizer by generalized type-of-farming areas.....	X
Tenants.....	VIII	Use of fertilizer and liming materials, by State economic areas.....	XI
Cash tenants.....	VIII	Use of fertilizer and liming materials by economic class, tenure	
All share tenants.....	VIII	of operator, and type of farm.....	XI
Croppers.....	VIII	Fertilizer used by rate of use per acre.....	XI
Other tenants.....	VIII		

MAPS AND CHARTS

	Page
State economic areas, 1950.....	XII
Economic subregions.....	XIII
Generalized type-of-farming areas, 1954.....	XIV
Acres on which commercial fertilizer was used, 1954.....	XV
Expenditures for commercial fertilizer, dollars, 1954.....	XV
Farms reporting expenditures for commercial fertilizers as a percent of all farms, 1954.....	XVI
Expenditures for commercial fertilizer per acre of total cropland, 1954.....	XVI
Quantity of commercial fertilizer used, for the United States and farm production areas: 1929 to 1954.....	XVI
Percent of farms reporting expenditures for commercial fertilizer, for the U. S. and farm production areas: 1929 to 1954.....	XVI
Farm expenditures for commercial fertilizer, for the United States and farm production areas: 1939 to 1954.....	XVII
Changes in use of fertilizer and lime in the United States, 1910-1955.....	XVII
Percent of farms using commercial fertilizer, by tenure, commercial farms, United States and regions: 1954.....	XVIII
Average expenditure per acre for commercial fertilizer and fertilizer material, by tenure of operator, commercial farms, United States and regions: 1954.....	XVIII
Expenditures for lime and liming materials, dollars, 1954.....	XIX
Farms reporting expenditures for lime and liming materials as a percent of all farms, 1954.....	XIX
Expenditures for lime and liming materials per acre of total cropland, 1954.....	XIX
Percent of farms using liming materials, for the United States and farm production areas: 1954 and 1939.....	XIX
Quantity of liming materials used, for the United States and farm production areas: 1954 and 1939.....	XIX

SUMMARY TABLES

	Page
Table I.—Expenditure for fertilizer, by geographic division: 1879 to 1954.....	XX
Table II.—Quantity of commercial fertilizer and lime used, by farm production regions and States: 1929 to 1954.....	XX
Table III.—Quantity of fertilizer used and average rate used per acre on specified crops, by generalized type-of-farming areas: 1954.....	XXI
Table IV.—Use of fertilizer for specified crops and use of lime, by subregions, by generalized type-of-farming areas: 1954.....	XXII
Table V.—Percent distribution of farms reporting, acres fertilized, and fertilizer used, by farms classified by rate of use per acre, for selected crops, for selected State economic areas, by type of farming areas: 1954.....	XXIV

TABLES FOR STATES, COUNTIES, AND ECONOMIC AREAS

	Page
Table 1.—Use of fertilizer for specified crops and use of lime, by economic areas and by counties: Census of 1954.....	2
Table 2.—Use of fertilizer for specified crops and use of lime, by economic areas, for 28 specified States: Census of 1954.....	178
Table 3.—Use of fertilizer for specified crops and use of lime, for irrigated and non-irrigated farms, by economic areas, for 20 specified States: Census of 1954.....	186
Table 4.—Use of expenditures for fertilizer and lime by economic class of farm, by economic areas: Census of 1954.....	200
Table 5.—Use and expenditures for fertilizer and lime of commercial farms by tenure of farm operator, by economic areas: Census of 1954.....	246
Table 6.—Use and expenditures for fertilizer and lime of commercial farms by type of farm, by economic areas: Census of 1954.....	280
Table 7.—Farms reporting, acres fertilized, and tons of fertilizer used on farms classified by rate of use per acre, for selected crops, for selected economic areas: 1954.....	310

INTRODUCTION

The purpose of this report is to present in one publication most of the detailed data compiled for the 1954 Census of Agriculture, on the use of fertilizer and lime. The increased use of fertilizer has been one of the striking developments on our farms during the last few decades. The increased use of fertilizer plus the increased use of insecticides and chemicals to control plant insects and diseases, the use of improved varieties of crops, the more timely and economical performance of farm operations because of greater farm mechanization and better farm management, and the increased use of irrigation have resulted in an increase of one-fifth in crop production per acre during the last 15 years.

The Censuses of Agriculture since 1879 have obtained some information on the use of fertilizer and lime. The kinds of data obtained at each Census were as follows:

1879--expenditures for fertilizer.

1889--expenditures for fertilizer.

1899--expenditures for fertilizer.

1909--expenditures for fertilizer and manure.

1919--expenditures for fertilizer and manure.

1924--expenditures for fertilizer, manure, and lime.

1929--expenditures for fertilizer, manure, and lime; tons of commercial fertilizer purchased.

1939--expenditures for commercial fertilizer and for lime, separately; quantity of commercial fertilizer purchased; and tons of liming materials purchased.

1944--expenditures for commercial fertilizer and for lime, separately.

1954--expenditures for commercial fertilizer and for lime, separately; quantity and acres on which used for fertilizer and lime, separately; and for fertilizer, the acres fertilized and amount of fertilizer used for selected crops or groups of crops.

DEFINITIONS AND EXPLANATIONS

The definitions and explanations presented here are limited to those necessary for understanding the data presented in the statistical tables. More detailed and complete definitions will be found in the Introduction to Volume II of the reports of the 1954 Census of Agriculture.

A farm.--For the 1954 Census of Agriculture, places of 3 or more acres were counted as farms if the annual value of agricultural products, exclusive of home-garden products, amounted to \$150 or more. The agricultural products could have been either for home use or for sale. Places of less than 3 acres were counted as farms only if the annual value of sales of agricultural products amounted to \$150 or more. Places for which the value of agricultural products for 1954 was less than these minima because of crop failure or other unusual conditions, and places operated at the time of the Census for the first time were counted as farms if normally they could be expected to produce these minimum quantities of agricultural products.

For the 1945 and earlier Censuses of Agriculture, the definition of a farm was somewhat more inclusive. From 1925 to 1945, farms, for Census purposes, included places of 3 or more acres on which there were agricultural operations, and

places of less than 3 acres if the agricultural products for home use or for sale were valued at \$250 or more. For places of 3 or more acres, no minimum quantity of agricultural production was required for purposes of enumeration; for places of under 3 acres, all the agricultural products valued at \$250 or more may have been for home use and not for sale. The only reports excluded from the tabulations were those taken in error and those with very limited agricultural production, such as only a small home garden, a few fruit trees, a very small flock of chickens, etc. In 1945, reports for places of 3 acres or more with limited agricultural operations were retained if there were 3 or more acres of cropland and pasture, or if the value of products in 1944 amounted to \$150 or more when there were less than 3 acres of cropland and pasture.

Farms reporting.--Farms reporting represents the number of farms for which the kind of expenditure or use of fertilizer or liming materials was reported.

Irrigated farms.--Irrigated farms are farms on which water was applied to pastureland and/or to land from which crops were harvested in 1954. Data are given for irrigated farms for only 17 Western States, and Arkansas, Louisiana, and Florida.

Farms by economic class.--The classification of farms by economic class was based upon 3 criteria: (1) Total value of farm products sold, (2) number of days the farm operator worked off the farm, and (3) the relationship of the income received from nonfarm sources by the farm operator and members of his family to the value of all farm products sold. Farms were classified into two major economic groups, namely, "commercial farms" and "other farms." Farms in each of these two major groups were further classified.

The "commercial farms" were classified into six groups--Classes I through V, solely on the basis of the value of farm products sold; and in the case of Class VI, on the additional basis of the days of off-farm work and the relationship of income of the operator and members of his family from nonfarm sources to the value of all agricultural products sold. "Other farms" include part-time farms, all farms with a value of farm products sold of less than \$250, and abnormal farms (institutional farms, experimental farms etc.). The accompanying table gives the criteria for farms in each economic class.

Farms classified by type.--Commercial farms have been classified by type on the basis of the relationship of the value of sales from a particular source, or sources, to the total value of all farm products sold from the farm. In some cases, the type of farm was determined on the basis of the sales of an individual farm product, such as cotton, or on the basis of the sales of a broader group of products, such as corn, grain sorghums, all small grains, field peas, field beans, cowpeas, and soybeans. In order to be classified as a particular type, sales or anticipated sales of a product or a group of products had to represent 50 percent or more of the total value of all farm products sold.

Data are presented for the following type-of-farm groups.

All crop farms comprise cotton, cash-grain, vegetable, fruit-and-nut farms, and other field-crop farms (peanuts, Irish potatoes, sweetpotatoes, tobacco, sugarcane, and sugar beets) on which the value of one of these groups of crops sold accounted for 50 percent or more of the value of all farm products sold.

CRITERIA FOR THE ECONOMIC CLASSES OF FARMS

Class	Criteria		
	Value of farm products sold	Other	Farms excluded
Commercial farms:			
Class I.....	\$25,000 or more.....	None.....	Abnormal.
Class II.....	\$10,000 to \$24,999.....	None.....	Abnormal.
Class III.....	\$5,000 to \$9,999.....	None.....	Abnormal.
Class IV.....	\$2,500 to \$4,999.....	None.....	Abnormal.
Class V.....	\$1,200 to \$2,499.....	None.....	Abnormal.
Class VI.....	\$250 to \$1,199.....	Less than 100 days of off-farm work by operator, and income of operator and members of his family from nonfarm sources less than value of all farm products sold.	Abnormal.
Other farms.....		Farms with a value of products sold of \$250 to \$1,199 when the farm operator reported 100 days or more of off-farm work or income of farm operator and members of his family from nonfarm sources greater than value of all farm products sold. Includes also all farms with a value of farm products sold of less than \$250 and institutional farms, experimental farms, grazing associations, community-project farms, etc., regardless of the value of farm products sold.	

All livestock farms comprise dairy, poultry, and other livestock farms (cattle, calves, hogs, sheep, goats, wool, and mohair) on which the value of one of these groups of livestock and livestock products accounted for 50 percent or more of the value of all farm products sold.

General crop and livestock farms comprise all farms on which the value of any crops and livestock sold accounted for 70 percent or more of the total value of farm products sold, provided the farms could not be classified as all crop farms or as all livestock farms.

All other farms include forest product farms, nursery and greenhouse farms, and horse farms.

Farms by tenure of farm operator.—Farms have been classified by tenure of operator on the basis of the arrangements under which the farm operator controls the land he operates. Data are shown for the following tenure of farm operator groups:

Owners, part owners, and managers are farm operators who own all or part of the land they operate or who operate farms for others and are paid a wage or salary for their services.

Tenants rent from others, or work on shares for others, all the land they operate.

Separate data are given for cash tenants, all share tenants, croppers (for Southern States only), and other tenants.

Cash tenants pay a cash rental, such as \$10 per acre or \$1,000 for the use of the whole farm.

All share tenants pay as rent a share of the crops or livestock or livestock products, or both.

Croppers are crop-share tenants whose landlords furnish all work power. The landlords either furnish all the work animals or furnish tractor power in lieu of work animals. Croppers usually work under the close supervision of the landlords, or their agents, and the land assigned them is often merely a part of a larger enterprise operated as a single unit.

Other tenants include tenants paying a fixed quantity of any product; those who pay taxes, keep up the land and buildings, or keep the landlord in exchange for the use of the land; those who have the use of the land free; and others who could not be included in one of the other specified subclasses, and tenants for whom the rental arrangement was not specified.

Crops fertilized in 1954.—Data were secured in the 1954 Census of Agriculture on the acres fertilized and the quantity of fertilizer used for six groups of crops in each State. Of the six groups of crops, three were the same for all States, namely:

- (1) Hay and cropland pasture
- (2) Other pasture (not cropland)
- (3) Fruits, vegetables, and potatoes

The three crops or groups of crops comprising the other three groups varied by States as follows:

- (1) a. Corn New York, Pennsylvania, New Jersey, Delaware, Maryland, West Virginia, Iowa, Illinois, Indiana, Ohio, North Dakota, South Dakota, Kansas, Nebraska, Missouri
- (2) a. Corn South Carolina, Georgia, Florida, Alabama,
b. Cotton Mississippi, Louisiana, Arkansas, Texas,
c. Other crops Oklahoma, New Mexico
- (3) a. Corn Maine, New Hampshire, Vermont, Connecticut, Massachusetts, Rhode Island, Virginia, North Carolina, Kentucky, Tennessee
b. Tobacco
c. Other crops
- (4) a. Corn Michigan, Wisconsin, Minnesota
b. Oats
c. Other crops
- (5) a. Wheat Montana, Idaho, Wyoming, Utah, Nevada
b. Sugar beets
c. Other crops
- (6) a. Wheat Oregon, Washington
b. Oats
c. Other crops

- (7) a. Cotton Arizona, California
- b. Rice
- c. Other crops
- (8) a. Corn Colorado
- b. Sugar beets
- c. Other crops

Since data were not compiled for all States for each crop or group of crops listed above, the acreage fertilized cannot be related to the acreage of these crops in the United States. The proportion of the acreage of each crop in 1954 in the United States, harvested in the States for which separate data for the same crop fertilized were obtained, was as follows:

Crop	Percent
Corn	99.4
Wheat	75.5
Oats	24.6
Cotton	93.5
Tobacco	75.8
Rice	19.0
Sugar beets	37.2

Cropland pasture includes rotation pasture and all other cropland that was used only for pasture.

Improved pasture includes only pasture, not cropland pasture and not woodland pasture, on which one or more of the following practices had been used: liming, fertilizing, seeding to grasses or legumes, irrigating, draining, or controlling weeds or brush.

Acres of hay.--The acres of hay represents the total acres of land from which hay was cut. Sorghum, soybean, cowpeas, and peanut hays were excluded from this total.

Source and Reliability of Data for 1954

The information on the expenditures for fertilizer and lime, the quantity of fertilizer and lime used, and the acreage on which used was collected for a sample of approximately 20 percent of all the farms. The data given in the tables in this report represent estimates for all farms, based upon data tabulated for the sample. (For a description of the sample, the method of compiling the data, and a statement of the reliability of estimates based on the sample, reference should be made to the Introduction to Volume II of the reports for the 1954 Census of Agriculture.) The data for counties are subject to considerable sampling error and this fact should be considered when comparing amounts of fertilizer used as reported by the Census and by other sources and when comparing the acres fertilized for each crop with the acres harvested.

The amount of fertilizer used relates to the quantity applied in 1954. In the case of winter wheat and other fall sown crops, the acres fertilized refer to the acres of the crop planted in the fall of 1954, and not to the acres harvested in 1954. In the drought areas, in the case of some crops, the acres fertilized includes the acres on which fertilizer was applied; the crop was not harvested from part of these acres because of crop failure. The total acres of other crops to which the acres of other crops fertilized have been related, was calculated by subtracting the acres of hay, fruits, vegetables, and potatoes, and two other selected crops from the acres of cropland harvested. In some cases, more than one crop was harvested from the same land in 1954, and since the acres of each of these crops fertilized were counted as acres fertilized, and the acres of cropland harvested, regardless of the number of crops harvested on the land in 1954, were counted only once, the acres of other crops fertilized may exceed the calculated acres of other crops.

For counties, the data on acres of crops fertilized are estimates based upon tabulations for a sample of approximately 20 percent of the farms, while the data for the acreage of the various crops harvested represent totals for all farms. Thus, the figures on acres fertilized may differ considerably from the acres harvested because of the use of a sample to obtain acres fertilized.

For 1954, fertilizer was to include only commercial fertilizer or fertilizing material. No specific mention was made of basic slag. In some areas, particularly in the East South Central States where considerable quantities of basic slag are used, basic slag was not considered a fertilizing material by some of the farm operators and hence was not reported. Lime and liming materials were to include ground limestone, hydrated and burnt lime, marl, oyster shells, and other forms of lime.

The United States total for tons of fertilizer used, as reported in the 1954 Census, was about 15 percent below the total shown by reports of the United States Department of Agriculture, based on data obtained from nearly all fertilizer manufacturers. The difference in data from these two sources is explained largely by the exclusion by the Bureau of the Census and the inclusion by the United States Department of Agriculture of dried manures, secondary and trace nutrient materials, and fertilizers for non-farm purposes, such as for lawns, parks, golf courses, home gardens, etc., and the underreporting in the Census of the quantity of basic slag used.

The data presented by COUNTIES and those presented by State economic areas, subregions, and generalized type-of-farming areas were obtained from different tabulations and will differ slightly because adjustments were not made in the tabulations when the differences were not significant and did not affect the usefulness of the data. The differences are equal to less than one-half of one percent of the total for counties.

Expenditures for 1954.--The expenditures for fertilizer and lime were to include the expenditures for the farm, including the purchases of both landlords and tenants. Fertilizer and lime used under the Agricultural Conservation Program were to be reported and the total expenditure was to represent the total cost, without any deductions of Agricultural Conservation Program payments. In some areas, farm operators may not have known the amount of payments made by the Agricultural Conservation Program and may have reported only the cost paid by the farm operator.

Areas for which data are presented.--Data are presented for States, generalized type-of-farming areas, subregions, economic areas, and counties.

The boundaries of the generalized type-of-farming areas are shown by the map on page XIV. These generalized type-of-farming areas are approximately the same as those outlined in 1949 by the Bureau of Agricultural Economics of the United States Department of Agriculture. However, much of the data for the 1954 Census of Agriculture were compiled by subregions, and it has been necessary to use the data for these subregions to provide data for the generalized type-of-farming areas. The boundaries of the subregions are indicated by the map on page XIII, and do not correspond exactly with the boundaries of the generalized type-of-farming areas. Table IV indicates the subregions that comprise each of the generalized type-of-farming areas and gives a brief description of subdivisions included in each generalized type-of-farming area.

The same generalized type-of-farming area may occur in widely distant parts of the country. For example, some parts of the Dairy area are found in the Pacific Northwest although most of them are in the Lake States and the Northeast. The General Farming area (VI) is concentrated mainly in the Appalachian region. The Fruit, Truck and Mixed Farming area (I) occurs in several small areas over the country, as for example on the Eastern Shore between Chesapeake Bay and Long Island, in Florida and in Central California. The Special Crops and General Farming area (IX) is also widely scattered and is characterized principally by production of rice, sugarcane, potatoes, peanuts, sugar beets, or dry beans. Other type-of-farming areas are identified with more or less definite regions such as Cotton area (VII) in the South, Feed Grains and Livestock area (V) in the Corn Belt, Wheat and Small Grains area (III) in the Central Plains States, and Range Livestock area (II) in the Western Mountain and Intermountain regions.

In presenting data by generalized type-of-farming areas, it has been necessary to combine entire subregions because Census data were tabulated only by subregions. For this reason some of the smaller parts of one generalized type-of-farming area may, for purposes of this presentation, be included in another more dominant type-of-farming area in the region. For example, the Maine potato area is included along with the Dairy area, as dairying is the dominant type-of-farming area in the Northeast. However, tables 1, 2, and 3 present data on fertilizer use by smaller areas--counties and State economic areas.

State economic areas represent groupings of counties within a State. Outside metropolitan areas, the State economic areas are, in general, the same as State type-of-farming areas. A map showing the boundaries of State economic areas is given on page XII. In table 1 presenting figures by counties, the counties have been arranged by State economic areas.

Expenditures for fertilizer 1879 to 1954.--Significant changes have occurred in the use of fertilizer during the last 75 years. In terms of cash outlays by farmers, the expenditures for commercial fertilizer were more than 35 times as large in 1954 as in 1879. While the change of price level has been a significant factor affecting the increase in dollar expenditures, the increase in the total quantity of fertilizer used on farms has been many fold.

Changes in use of fertilizer and lime.--Some striking regional changes in the use of fertilizer in the United States have occurred in the past 25 years. In 1929 very little fertilizer was being used in the Great Plains and Western States. Most of the fertilizer used a quarter of a century ago was used in the following States or areas: North Carolina, South Carolina, Georgia, Florida, Alabama, Mississippi, New Jersey, Delaware, Maryland, southeastern Virginia, southeastern Pennsylvania, northeastern Maine, the Connecticut River Valley of Connecticut and Massachusetts, and the Los Angeles area of California.

In 1954 commercial fertilizer was used on 123 million acres of cropland and pasture. Lime was applied to 11 million acres. The accompanying map shows the distribution of fertilizer use in 1954. About half of the acreage fertilized in 1954 was in the Corn Belt, Great Plains, and Western States. In 1929 these areas accounted for only a sixth of the total expenditure made for commercial fertilizer used in the United States. About two-fifths of the expenditure for fertilizer in 1929 was concentrated in the Piedmont and Coastal Plain parts of North Carolina, South Carolina, Georgia, and Alabama.

Most of the fertilizer used in 1929 was applied to the more intensively cultivated crops, especially to cotton, tobacco, fruit, truck, and potatoes. These crops have continued to absorb an important part of the fertilizer applied, but several other crops and pasture, which were not formerly fertilized to any great extent, are now widely fertilized.

In 1954 commercial fertilizer was applied to almost 123 million acres. About 4 million of these acres comprised improved pasture other than cropland pasture. The other 119 million acres comprised cropland and represented more than one-fourth of the total cropland in the United States. In 1954 commercial fertilizer was applied to more than 13 million acres of hay and cropland pasture, 46.5 million acres of corn, 11 million acres of wheat, 9.7 million acres of cotton, and 6.3 million acres of fruits, vegetables, and potatoes. This means that three-fifths of the corn; a fifth of the wheat acreage; about half the cotton; and two-thirds of the fruit, vegetables, and potatoes had some application of fertilizer in 1954.

Consumption of commercial fertilizer and liming materials in the United States.--The consumption of commercial fertilizers in the continental United States in 1954 was almost 19 million tons, an increase of 172 percent over the 7 million tons used in 1939. The most rapid regional increase was in the Northern Plains States. More than twenty times as much fertilizer was used in this area in 1954 as in 1939. However, this region used less fertilizer in 1954 than any other except the Mountain States. The greatest tonnage of fertilizer was used in the Corn Belt, followed by the Southeast and Appalachian Regions. These three regions include the only States using more than a million tons annually. North Carolina consumed 1.3 million tons in 1954, followed by Georgia with 1.2 million tons, Florida with 1.1 million tons, Illinois with 1 million tons, and Indiana with 1 million tons.

The use of liming materials in 1954 was more than double that of 1939. Consumption in the Northern Plains increased more than 10-fold during this period, followed by the Delta States with a 7-fold increase. The only area in which consumption dropped was the Mountain States, where there was a decrease of almost 75 percent. Of the 6 States using over a million tons in 1954, Illinois used the largest quantity, 2.5 million tons.

Trends in use of fertilizer and of liming materials since 1910 are shown by the chart on page XVII. Consumption of fertilizer, relative to the 1947-49 average, has risen each year since 1938. Currently, consumption in terms of available plant nutrients, is about one and two-thirds times that during the base period (1947-1949). Use of liming materials expanded markedly during the period 1936 to 1947 when this practice was encouraged through conservation programs. Following 1947, consumption of liming materials has declined substantially. Differences in recent trends in use of fertilizer compared with use of lime reflect farmers' relative evaluations of these practices. In the case of fertilizer, the returns to the farmer are quickly obtained. Liming materials are more generally regarded as capital investments and the returns occur at a much slower rate than for fertilizer. The decline in use of liming materials may be greater than is indicated by consumption data because the rising nutrient content of fertilizers means that less calcium or magnesium bearing materials are used in commercial fertilizers.

Use of fertilizer by generalized type-of-farming areas.--Variations in percentage of acreage fertilized, in quantity of fertilizer used, and in rates of application per fertilized acre among broad type-of-farming areas are indicated by data in table IV.

The quantity of fertilizer used was greatest in the Cotton type-of-farming area (VII), followed in order by Feed Grains and Livestock, (V), Dairy (IV), the Fruit, Truck, and Mixed Farming (I), and General Farming (VI) areas. These five areas account for more than 80 percent of all fertilizer used in the United States in 1954.

More than 30 percent of all fertilizer was used on corn in 1954, and about one-third of that used on corn was used in the Feed Grain and Livestock type-of-farming area (V). Even in the

Cotton area (VII) nearly as much fertilizer was used on corn as on cotton. About one-seventh of the total quantity of fertilizer was used on fruits, vegetables, and potatoes, and 57 percent of the fertilizer applied to these crops was used in the Fruit, Truck, and Mixed Farming area (I). About one-ninth of the tonnage of fertilizer was used on hay and cropland pasture, and one-tenth, on cotton. Nearly 45 percent of the fertilizer used on hay and cropland pasture was used in the Dairy (IV) and the Cotton (VII) areas.

The average amount of fertilizer used per acre fertilized was higher for tobacco than for any other selected crop for which data were obtained in the Census. The average amount applied per acre on corn ranged from nearly 400 pounds in the Fruit, Truck, and Mixed Farming area (I), to less than 100 pounds in the Wheat and Small Grains area (III). The average rate applied on cotton in the General Farming area (VI) was about 1.4 times as high as in the Cotton type-of-farming area (VII). The average amount used per acre on hay and cropland pasture and on improved permanent pasture approximated or exceeded 300 pounds per acre in the Fruit, Truck, and Mixed Farming (I), the Dairy (IV), the General Farming (VI), the Cotton (VII), the Tobacco and General Farming (VIII), and in the Special Crop and General Farming (IX) areas. Only in the Range Livestock (II) and Wheat and Small Grains (III) areas were average amounts used per acre on hay and cropland pasture below 200 pounds per acre.

Use of fertilizer and liming materials, by State economic areas.--Considerable variation in fertilizer practices occurs between type-of-farming areas (State economic areas) within a State. This variation usually reflects differences in soils, type of farming, etc. For example, table 2 indicates a wide difference in percentage of crop acreages fertilized and in average rates per acre between State economic area 7b and areas 8 and D in Alabama. Area 7b is in the Cotton generalized farming area (VII). State economic areas 8 and D are in the Fruit, Truck, and Mixed Farming area (I) on the Gulf Coast.

Table 3 shows fertilizer practice for each economic area in the 20 States for which data are available separately for irrigated and non-irrigated farms. For the 20 States as a whole, 7.5 percent of all crops and pasture land on irrigated farms was fertilized at an average rate of 349 pounds per acre. For non-irrigated farms, 4.8 percent of the crop and pasture land was fertilized at an average rate of 205 pounds. Similar compari-

sons are available for the other crops specified in table 3 for each of the 20 States.

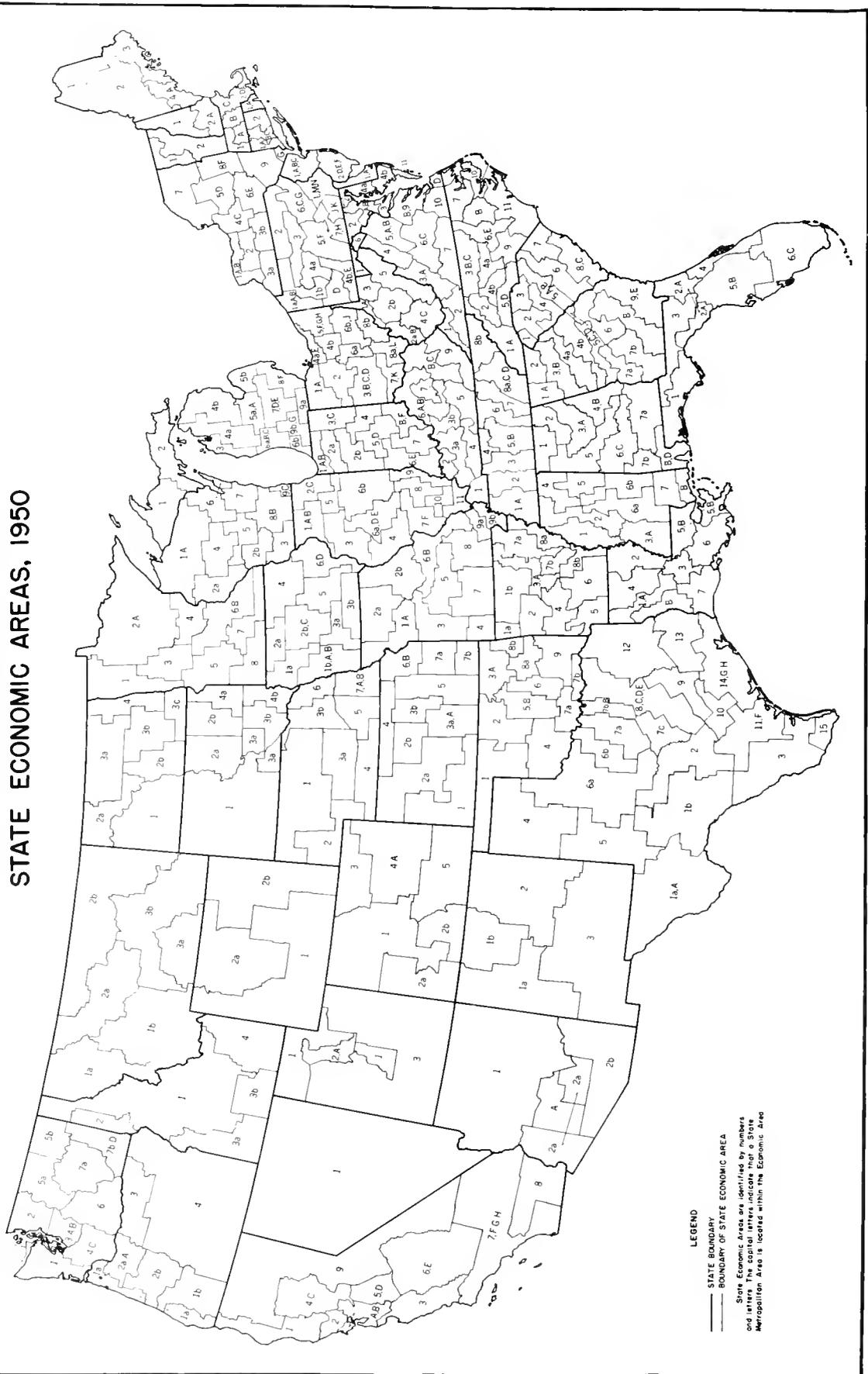
Use of fertilizer and liming materials by economic class, tenure of operator and type of farm.--Data on use of fertilizer and liming materials by economic class of farm, tenure of operator, and type of farm are presented for each economic area, by States and for the United States in tables 4, 5, and 6.

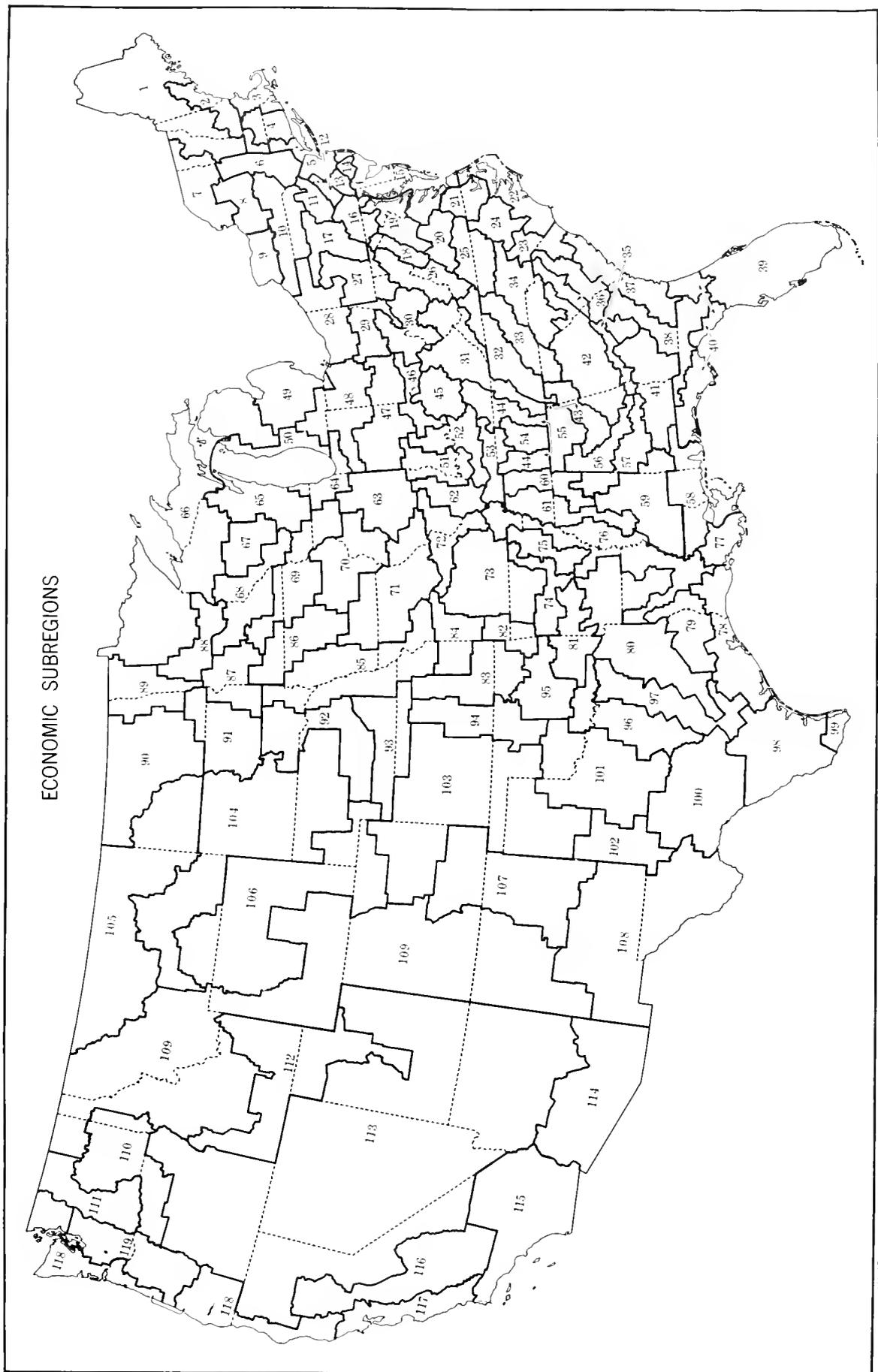
Except in the South, farmers in the higher economic classes generally fertilized or limed a higher percentage of their acreage of crops and cropland pasture than those in the lower income classes.

A higher percentage of cropland was fertilized on the all crop farms than on the other types in most of the Northeastern, Appalachian, and Lake States. In some of the Corn Belt States and in the Southeast, the percentage of acreage fertilized varied very little by type of farm. In most of the humid areas, the amount of fertilizer and lime used per acre was higher on the all crop farms than on general crop and livestock types of farms. The quantity of liming materials applied per acre was substantially lower on all types of farms in the South than in the Central or Northern States.

Generally there appeared to be no consistent relationship between quantity of fertilizer or liming materials applied per acre or between percentage of cropland and improved permanent pasture fertilized or limed and tenure of operator. However, a large part of the acreage operated and, consequently, a large part of the fertilizer and liming material used and most of the acreage fertilized or limed was on farms of owners, part owners, and managers.

Fertilizer use by rate of use per acre.--Tables V and 7 present data for selected crops and selected State economic areas, for acres fertilized and quantity of fertilizer used for farms classified by rate of use per acre. The data given in table V are arranged by generalized type-of-farming areas. The distribution of farms, acres fertilized, and amount of fertilizer used by the rate of application differ significantly among areas for most of the selected crops. For example, the distribution of farms by rate of use of fertilizer for corn is significantly different for Dairy areas in New York and Wisconsin. Type of soil, climate, kind of crops grown, etc., have significant effects upon the rate of use of fertilizer by farmers.

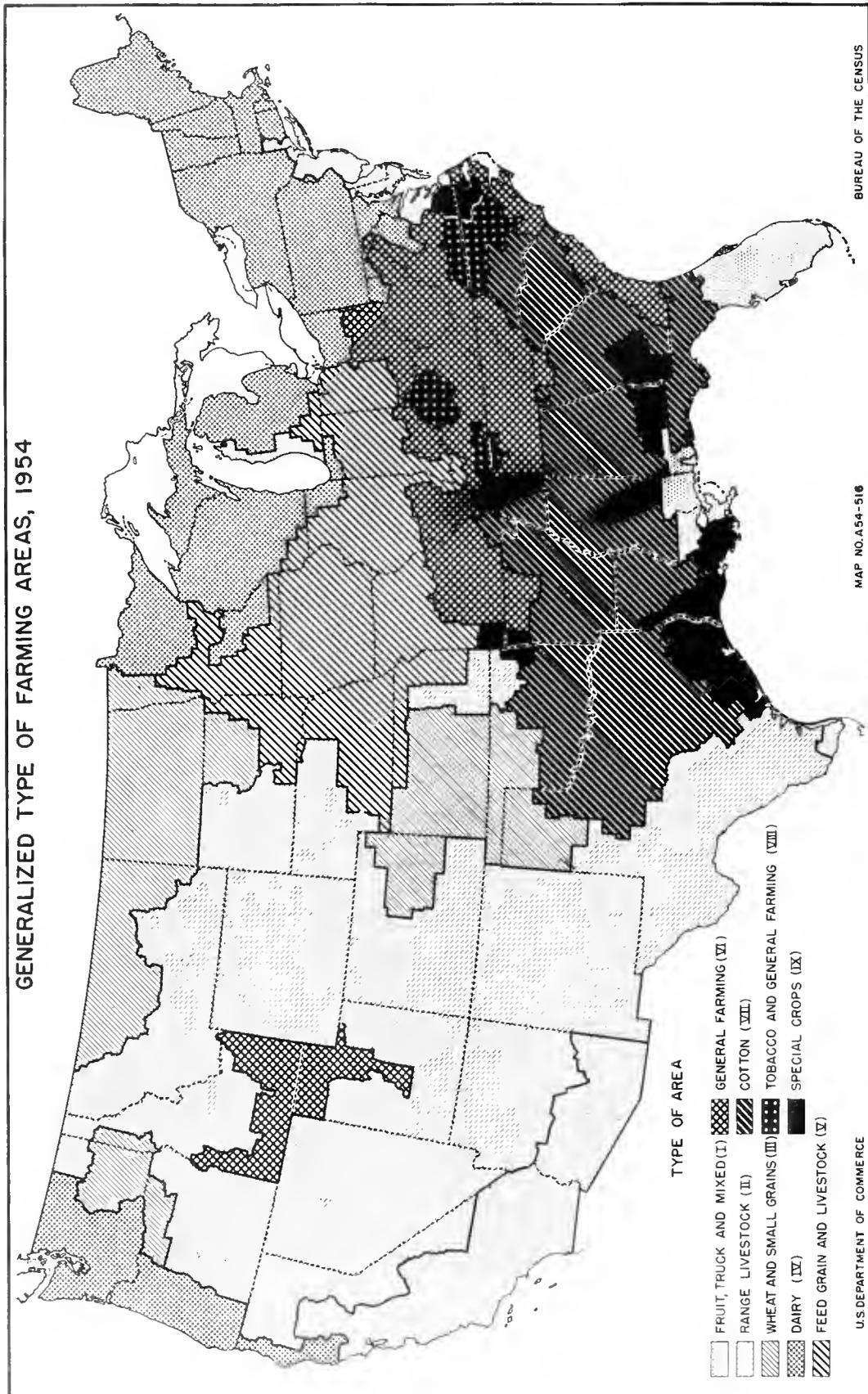




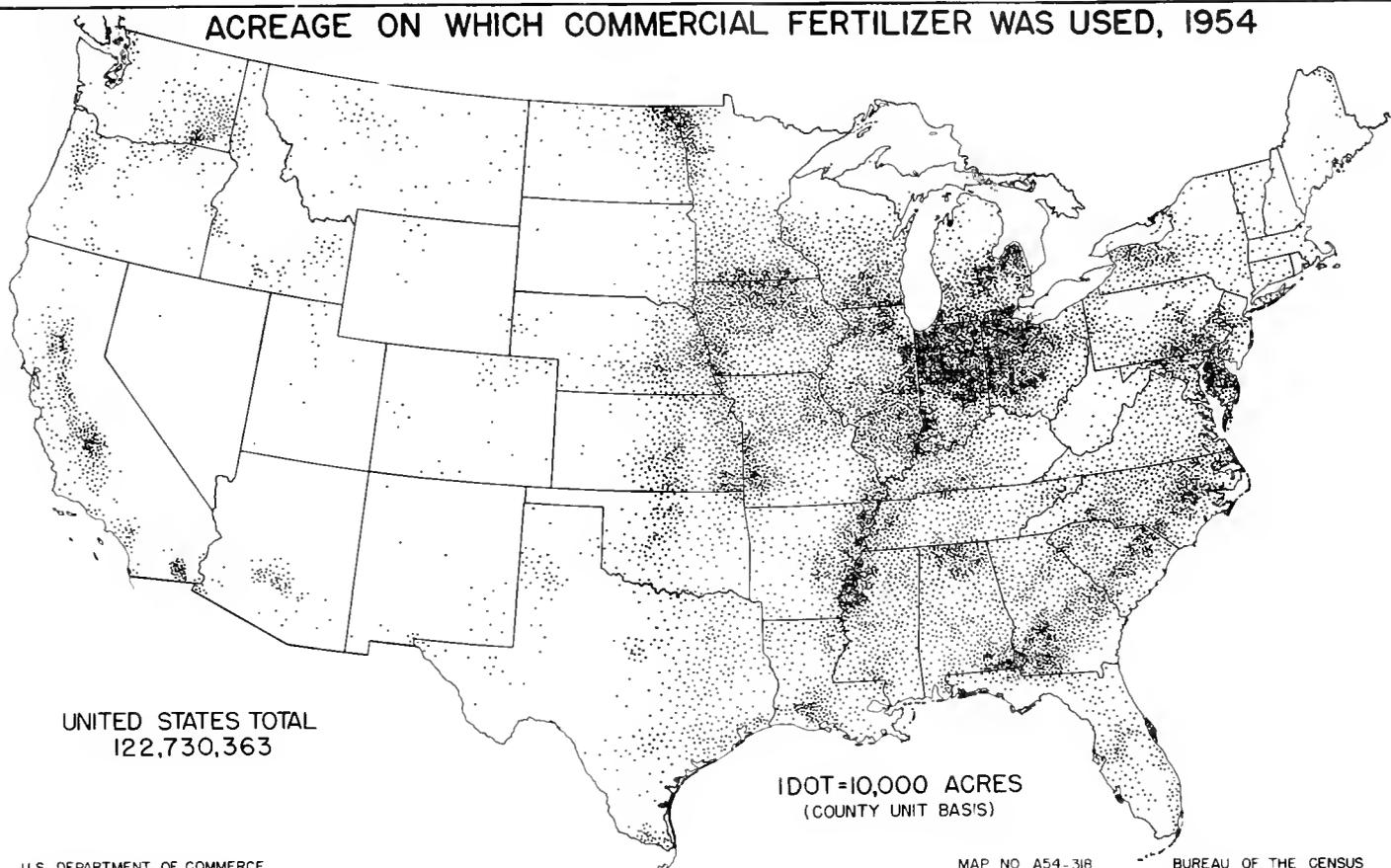
ECONOMIC SUBREGIONS

DEPARTMENT OF COMMERCE

DEPARTMENT OF COMMERCE



ACREAGE ON WHICH COMMERCIAL FERTILIZER WAS USED, 1954

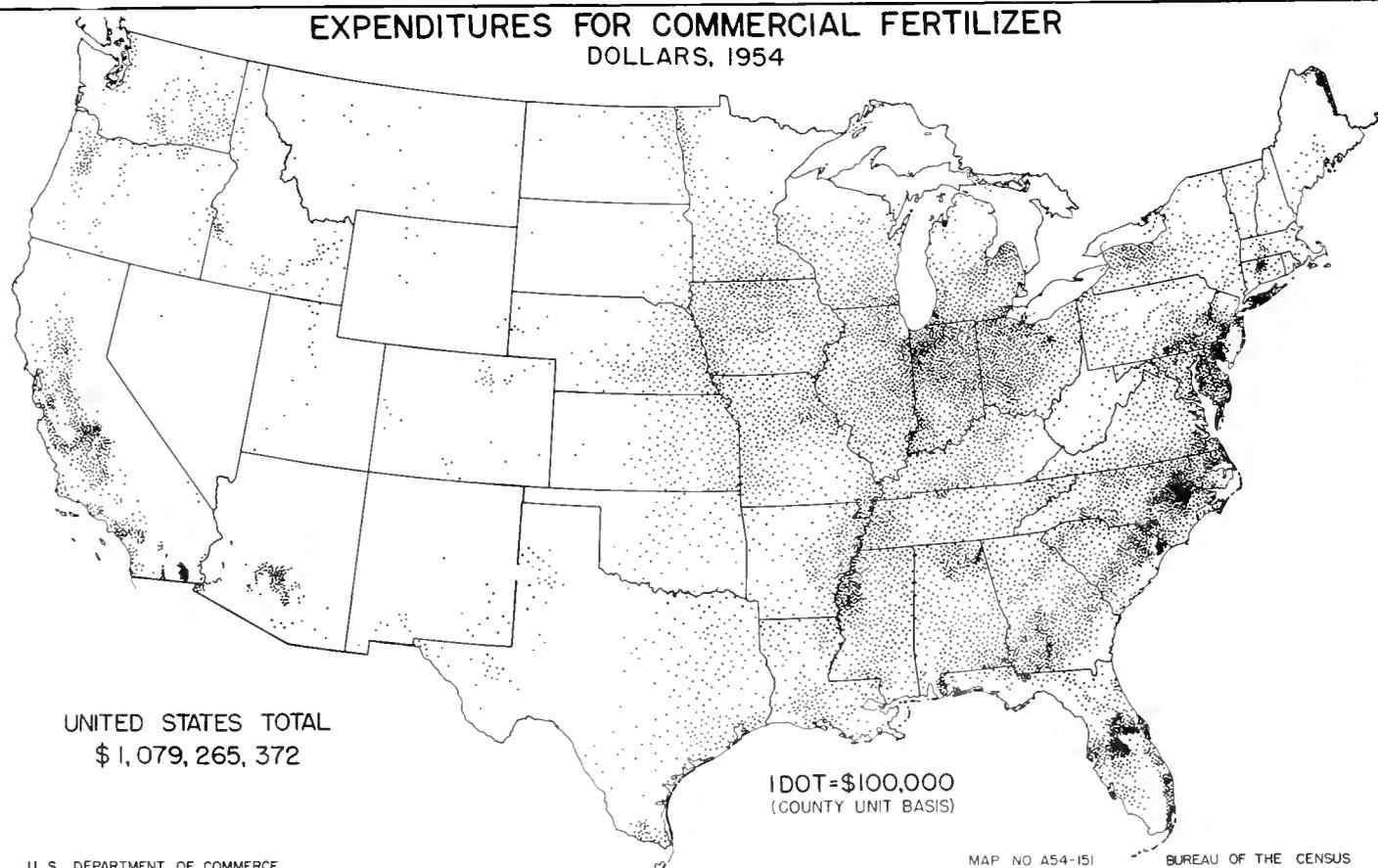


U S DEPARTMENT OF COMMERCE

MAP NO A54-318

BUREAU OF THE CENSUS

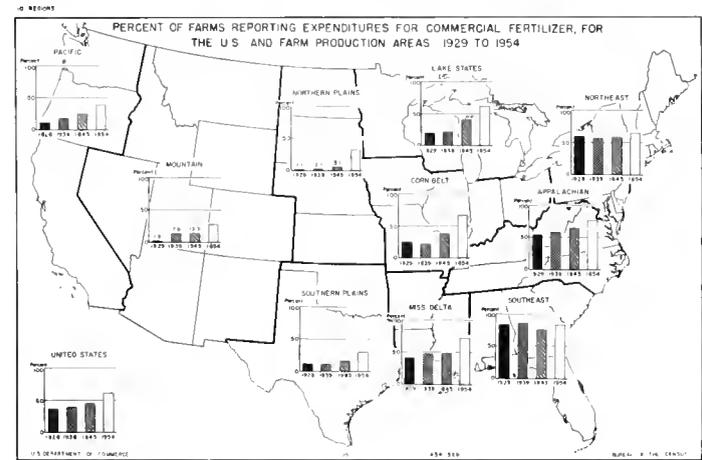
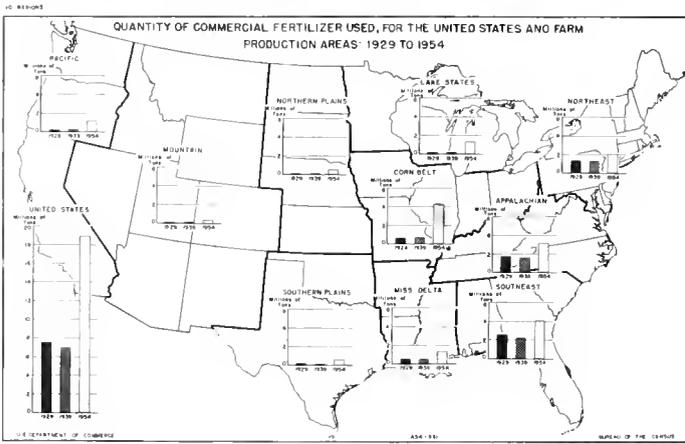
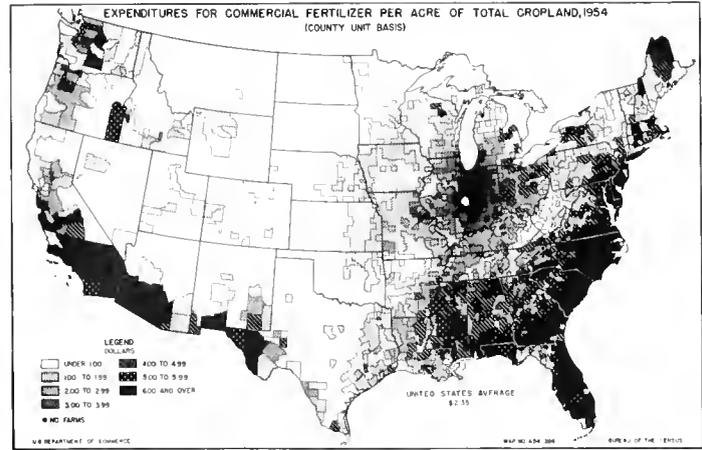
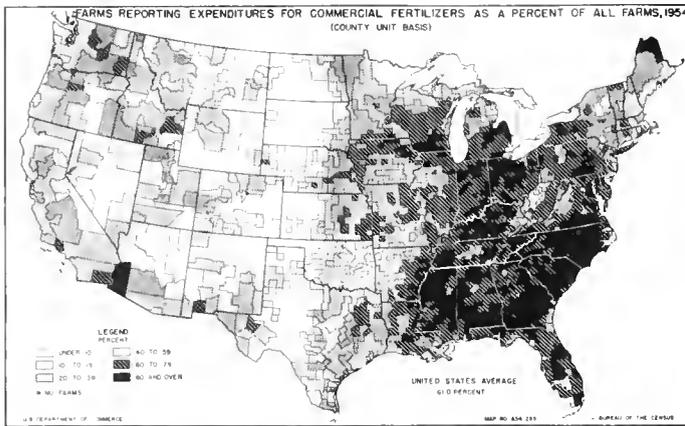
EXPENDITURES FOR COMMERCIAL FERTILIZER
DOLLARS, 1954

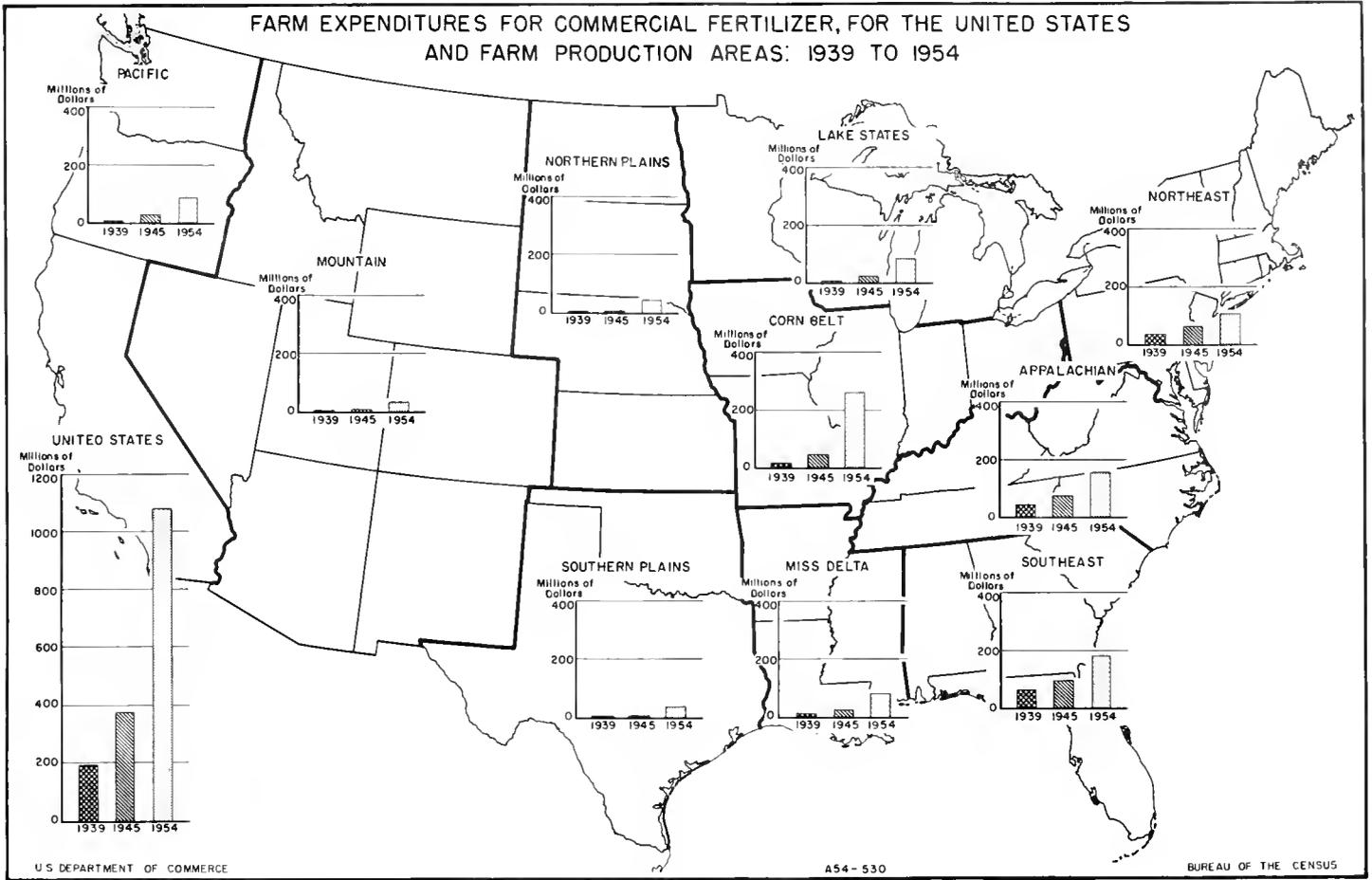


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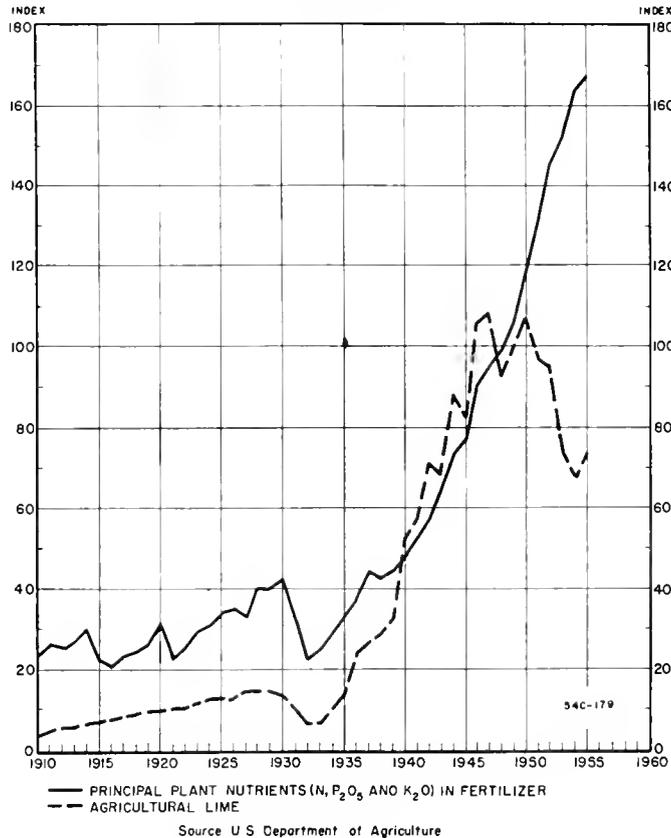
BUREAU OF THE CENSUS



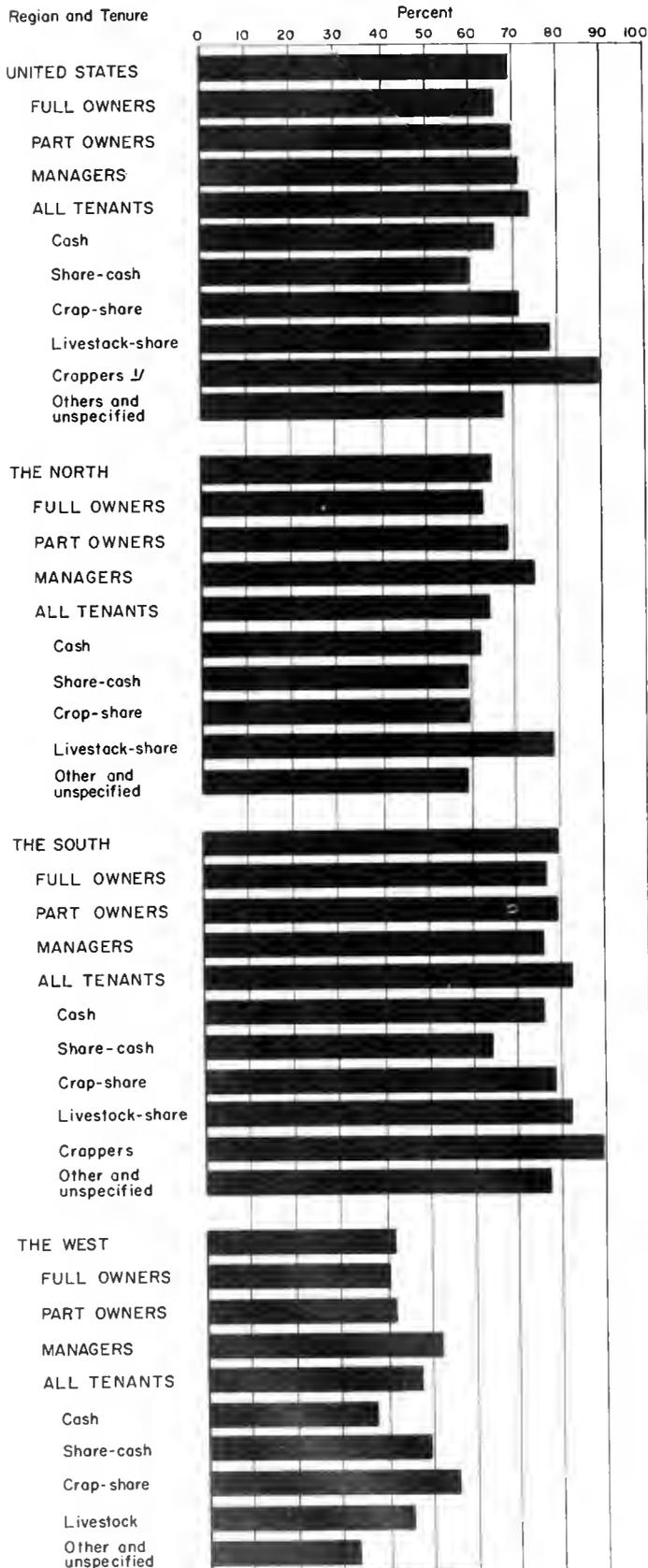


CHANGES IN USE OF FERTILIZER AND LIME IN THE UNITED STATES, 1910-1955

1947-49=100

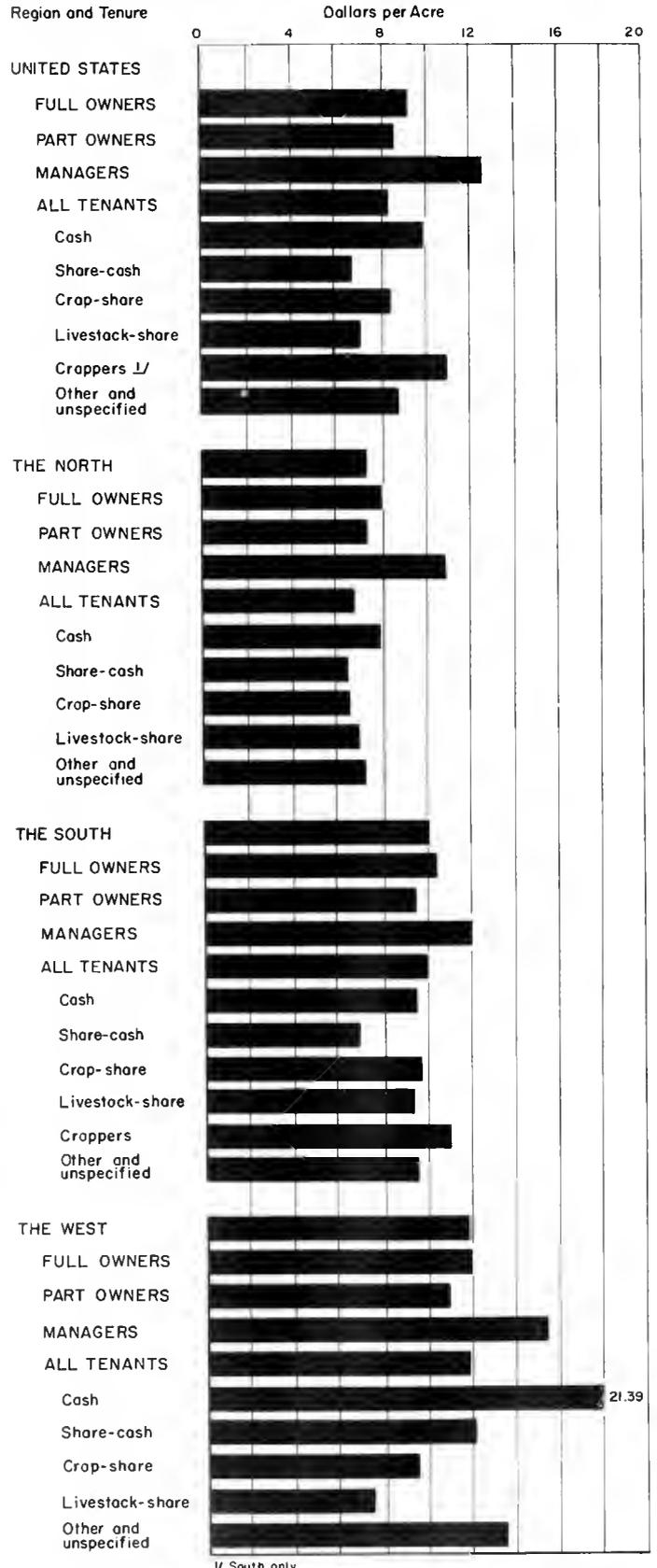


PERCENT OF FARMS USING COMMERCIAL FERTILIZER, BY TENURE, COMMERCIAL FARMS, UNITED STATES AND REGIONS: 1954



^{1/} South only

AVERAGE EXPENDITURE PER ACRE FOR COMMERCIAL FERTILIZER AND FERTILIZER MATERIAL, BY TENURE OF OPERATOR, COMMERCIAL FARMS, UNITED STATES AND REGIONS: 1954



^{1/} South only

USE OF FERTILIZER AND LIME

Table I.—EXPENDITURE FOR FERTILIZER, BY GEOGRAPHIC DIVISIONS: 1879 TO 1954

Geographic Division	Expenditure for fertilizer (dollars)							
	1954	1944	1939	1919 ¹	1909 ¹	1899	1889	1879
United States.....	1,079,265,372	374,021,755	195,927,959	326,399,520	114,882,541	53,430,910	38,469,598	28,586,397
New England.....	21,414,976	17,823,652	9,990,907	18,322,697	9,407,759	4,297,705	2,599,314	1,796,386
Middle Atlantic.....	70,356,033	37,693,845	22,674,297	41,438,394	18,221,474	11,344,290	8,849,755	7,842,422
East North Central.....	228,229,439	57,465,278	23,460,096	30,589,412	8,058,881	5,866,520	2,783,782	1,544,775
West North Central.....	162,696,204	13,983,044	2,982,001	6,168,462	983,216	1,407,175	283,733	384,048
South Atlantic.....	261,140,887	140,828,460	88,359,431	185,700,177	59,625,130	22,732,670	18,759,139	14,832,926
East South Central.....	135,477,304	51,473,941	28,702,396	25,476,855	12,901,239	5,337,708	3,889,244	1,627,325
West South Central.....	78,896,755	20,079,575	8,690,222	8,696,846	3,225,927	1,374,116	1,062,769	409,416
Mountain.....	32,174,689	4,813,512	1,289,631	808,518	159,342	77,116	67,973	29,848
Pacific.....	88,879,035	29,860,448	9,778,978	9,198,159	2,299,573	993,610	173,889	119,251

¹Includes expenditure for manure.

Table II.—QUANTITY OF COMMERCIAL FERTILIZER AND LIME USED, BY FARM-PRODUCTION REGIONS AND STATES, 1929 TO 1954

Region and State	Commercial fertilizer used (tons)			Lime and liming materials used (tons)	
	1954	1939	1929	1954	1939
United States.....	18,953,360	17,003,826	17,535,022	17,276,170	18,516,107
Northeast.....	2,065,964	1,327,897	1,366,835	2,050,274	1,588,043
Maine.....	169,870	147,410	170,950	40,543	37,511
New Hampshire.....	17,829	9,929	11,500	19,169	12,998
Vermont.....	45,664	25,889	17,443	66,869	27,954
Massachusetts.....	57,156	51,587	68,611	36,497	32,681
Rhode Island.....	5,738	7,963	7,909	3,306	4,474
Connecticut.....	66,827	47,834	68,890	42,796	39,385
New York.....	516,900	333,107	287,959	590,689	467,416
New Jersey.....	237,580	170,540	162,361	113,253	90,513
Pennsylvania.....	608,640	351,321	343,113	877,158	743,939
Delaware.....	75,080	30,989	42,736	38,894	17,390
Maryland.....	264,630	151,328	180,363	219,100	113,782
Corn Belt.....	4,346,266	712,215	668,997	8,813,735	3,755,970
Ohio.....	968,929	357,354	330,444	1,548,047	489,919
Indiana.....	1,041,298	210,080	206,144	1,759,676	439,394
Illinois.....	1,047,217	74,766	53,800	2,513,272	1,876,961
Iowa.....	614,570	12,079	21,177	1,539,893	574,153
Missouri.....	674,252	57,936	57,432	1,452,847	375,543
Lake States.....	1,316,340	214,192	198,472	1,822,281	949,672
Michigan.....	567,238	152,480	140,083	440,254	369,883
Wisconsin.....	432,093	48,294	42,586	997,331	545,617
Minnesota.....	317,009	13,418	15,803	384,696	33,972
Northern Plains.....	535,993	16,625	11,920	663,709	38,477
North Dakota.....	53,998	1,444	958	60	528
South Dakota.....	38,490	272	133	634	54
Nebraska.....	218,027	1,636	732	288,029	684
Kansas.....	225,478	13,271	10,097	374,986	37,211
Appalachian.....	3,194,912	1,608,382	1,773,779	2,241,440	1,847,021
West Virginia.....	67,810	51,937	45,656	176,412	186,358
Kentucky.....	556,880	115,072	92,823	1,082,240	655,726
Tennessee.....	531,456	136,971	138,600	232,586	383,322
Virginia.....	642,366	356,479	388,937	452,757	443,904
North Carolina.....	1,396,400	947,923	1,107,763	297,475	171,711
Southeast.....	4,036,686	2,232,718	2,588,252	971,257	128,886
South Carolina.....	776,745	587,341	708,470	124,590	39,286
Georgia.....	1,240,538	700,044	860,602	279,670	23,894
Florida.....	1,056,969	419,355	372,473	363,776	37,030
Alabama.....	962,434	525,977	646,707	203,221	28,676
Delta States.....	1,347,665	503,967	578,647	389,783	32,390
Mississippi.....	707,674	305,926	307,697	185,268	6,144
Louisiana.....	293,181	129,212	143,657	87,977	4,226
Arkansas.....	346,810	68,829	127,293	116,538	22,020
Southern Plains.....	616,757	84,892	160,905	120,043	12,100
Oklahoma.....	126,017	4,814	7,895	76,603	8,988
Texas.....	490,740	80,078	153,010	43,440	3,112
Mountain.....	373,364	28,783	10,272	3,841	14,677
Montana.....	27,432	3,974	248	403	411
Idaho.....	110,620	6,841	2,091	...	2,685
Wyoming.....	11,784	1,978	1,358	...	5,619
Colorado.....	45,958	3,660	1,175	799	3,051
New Mexico.....	28,901	2,674	2,339	496	840
Arizona.....	123,901	6,951	3,704	1,245	1,401
Utah.....	21,423	2,583	264	202	568
Nevada.....	3,285	122	93	65	102
Pacific.....	1,119,413	274,007	176,638	199,807	143,615
Washington.....	156,246	22,843	21,561	30,408	17,044
Oregon.....	148,425	18,623	12,467	34,804	20,848
California.....	814,742	232,541	142,610	134,595	110,723

¹Includes District of Columbia.

USE OF FERTILIZER AND LIME

Table III.—QUANTITY OF FERTILIZER USED AND AVERAGE RATE USED PER ACRE ON SPECIFIED CROPS, BY GENERALIZED TYPE OF FARMING AREAS: 1954

| See map on page XIV for location of generalized type-of-farming areas and subdivisions, and map on page XIII for location of subregions

Crop and item	Total	Fruit, Truck, and Mixed Farming Area	Range Livestock Area	Wheat and Small Grains Area	Dairy Area	Feed Grains and Livestock Area (Corn Belt)	General Farming Area	Cotton Area	Tobacco and General Farming Area	Special Crops and General Farming Area
		(I)	(II)	(III)	(IV)	(V)	(VI)	(VII)	(VIII)	(IX)
Corn.....percent of acres fertilized...	60	85	20	10	79	50	81	76	27	91
tons of fertilizer used...	6,017,805	240,527	25,273	15,121	895,607	2,194,984	777,469	1,181,963	322,684	352,177
average pounds applied per acre...	259	397	146	98	267	208	291	301	380	366
Cotton.....percent of acres fertilized...	55	73	13	12	...	(NA)	102	73	...	74
tons of fertilizer used...	1,827,348	235,690	46,504	6,023	...	(NA)	1,092	1,377,537	...	145,502
average pounds applied per acre...	374	355	266	185	...	(NA)	517	374	...	480
Tobacco.....percent of acres fertilized...	97	85	...	...	100	81	96	97	98	97
tons of fertilizer used...	773,320	574	...	...	33,840	4,016	203,705	42,352	463,226	25,557
average pounds applied per acre...	1,347	1,529	...	...	3,390	854	1,350	1,253	1,304	1,333
Sugar beets.....percent of acres fertilized...	90	...	89	97	...	...	90	...	...	...
tons of fertilizer used...	48,702	...	22,945	2,396	...	...	23,361	...	...	...
average pounds applied per acre...	336	...	274	267	...	...	450	...	...	...
Fruits, vegetables, and potatoes.....percent of acres fertilized...	68	70	57	56	71	54	67	71	106	60
tons of fertilizer used...	2,644,296	1,532,542	43,335	22,936	571,650	52,140	138,459	247,530	45,475	46,229
average pounds applied per acre...	950	1,103	325	255	909	413	427	632	790	559
Wheat.....percent of acres fertilized...	29	91	18	14	77	50	54	NA	(NA)	(NA)
tons of fertilizer used...	1,064,104	37,512	45,085	120,006	231,695	474,439	155,967	(NA)	(NA)	(NA)
average pounds applied per acre...	191	322	125	74	315	226	243	(NA)	(NA)	(NA)
Oats.....percent of acres fertilized...	31	91	38	24	42	14	(NA)	(NA)	(NA)	(NA)
tons of fertilizer used...	285,684	14,444	5,654	9,121	208,427	48,714	(NA)	(NA)	(NA)	(NA)
average pounds applied per acre...	199	228	381	83	208	194	(NA)	(NA)	(NA)	(NA)
Other crops except hay.....percent of acres fertilized...	25	50	11	10	61	21	41	31	51	83
tons of fertilizer used...	3,521,453	392,480	89,396	134,398	596,277	694,626	306,687	826,083	115,160	366,357
average pounds applied per acre...	259	303	162	84	309	210	310	329	412	301
Hay and cropland pasture.....percent of acres fertilized...	10	15	5	3	9	8	12	16	12	13
tons of fertilizer used...	2,144,860	200,265	73,164	21,863	278,540	320,096	354,699	479,326	100,154	72,704
average pounds applied per acre...	302	342	188	133	332	272	330	300	354	348
All crops and cropland pasture.....percent of acres fertilized...	30	44	10	11	36	30	36	41	43	60
tons of fertilizer used...	18,219,872	2,654,054	351,356	331,868	2,917,125	3,789,015	1,476,438	4,154,791	1,032,699	1,014,526
average pounds applied per acre...	308	562	189	90	329	217	339	342	500	361
Improved pasture.....percent of acres fertilized...	24	40	2	5	33	28	30	31	47	48
tons of fertilizer used...	649,245	104,803	7,610	2,763	73,116	93,472	97,633	226,849	28,414	54,585
average pounds applied per acre...	304	323	169	131	344	249	347	284	382	331
All crops and pasture.....percent of acres fertilized...	14	14	1	5	28	25	23	26	38	42
tons of fertilizer used...	18,953,360	2,764,423	359,675	335,385	3,005,667	3,868,959	2,084,610	4,397,108	1,065,322	1,072,211
average pounds applied per acre...	309	548	189	90	331	219	341	339	543	359

NA Not available.

Table IV.—USE OF FERTILIZER FOR SPECIFIED CROPS AND USE OF LIME, BY SUBREGIONS, BY GENERALIZED TYPE-OF-FARMING AREAS: 1954

[See map on page XIV for location of generalized type-of-farming areas and subdivisions, and map on page XIII for location of subregions]

Generalized type-of-farming area, subregion and type-of-farming subdivision	Area number on map	Fertilizer									
		All crops and all pasture fertilized		Hay and cropland pasture fertilized		Other pasture fertilized		All crops fertilized except hay		Corn fertilized	
		Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)
United States, total.....	...	18,953,360	309	2,000,860	302	649,245	304	16,219,012	308	6,017,805	259
FRUIT, TRUCK, AND MIXED FARMING AREA											
Total.....	I	2,764,423	548	200,265	342	104,803	323	2,453,789	593	240,527	397
Subregions:											
5, 14 and 15 (Atlantic Sandy Coastal Plain).....	...	651,546	660	64,541	464	9,440	428	575,748	698	159,448	461
39 (Central and Southern Florida).....	...	836,124	146	25,313	370	68,629	313	741,983	1,704	2,251	417
100 (Gulf Coast).....	...	170,977	493	26,489	415	13,987	399	129,905	523	47,045	422
50 (Eastern Shore, Lake Michigan).....	...	94,946	296	6,454	269	557	262	87,297	295	24,266	221
82 (Ozark Plateau).....	...	54,251	206	11,225	225	1,652	220	40,940	198	6,849	199
99 (Lower Rio Grande Valley).....	...	35,981	265	1,555	155	263	334	34,224	273	668	228
116 and 117 (San Joaquin Valley and Central California Coast).....	...	558,595	392	26,917	283	8,638	262	521,597	401	(NA)	(NA)
114 and 115 (Southern California, Southern Arizona).....	...	362,003	431	37,771	280	1,637	300	322,095	460	(NA)	(NA)
Total.....	II	359,675	189	73,164	188	7,610	169	278,192	189	25,273	146
RANGE LIVESTOCK AREA											
Total.....	III	335,385	90	21,863	133	2,763	131	310,005	88	15,121	98
Subregions:											
83 (Osage-Flint Hills).....	...	90,981	133	10,636	177	2,662	176	77,565	127	10,441	129
98 (Rio Grande Plains).....	...	32,311	180	7,765	155	772	122	23,720	192	3,308	132
100, 102, and 107 (Southern High Plains; Edwards Plateau).....	...	29,337	228	7,761	240	304	140	21,135	226	1,079	204
104 (Northern Great Plains; Sand Hills).....	...	8,922	143	2,163	146	106	111	6,639	142	1,750	111
108 (Southwestern semi-desert).....	...	48,265	283	10,809	247	33	172	37,276	294	324	326
109 and 113 (Great Basin; Colorado Plateau and Southwest).....	...	101,110	233	26,819	187	3,106	185	70,984	260	1,274	212
106 (Northern Great Plains).....	...	48,849	200	7,211	164	627	174	40,873	208	7,097	181
Total.....	IV	3,005,667	331	378,590	332	73,116	344	2,536,535	328	895,607	267
Subregions:											
1, 2, 6, 7, 8, and 10 (Northern New England, Central Northeast).....	...	529,427	522	94,749	378	13,398	379	418,318	573	95,626	369
3, 4, 9, 11, 12, 13, 16, 17, and 19 (Northeast Metropolitan Areas).....	...	949,046	436	136,404	412	36,328	401	769,761	439	257,895	372
27 and 28 (Lake Erie Border, Southwest Pennsylvania).....	...	341,874	339	32,685	334	9,287	332	297,932	337	122,216	325
49 and 64 (Southeast Michigan, Northeast Illinois, Northwest Indiana).....	...	527,879	255	39,072	271	2,313	279	482,629	252	197,071	230
65, 67, and 68 (Central Wisconsin cut-over fringe).....	...	405,931	211	33,439	250	4,152	244	367,026	206	207,535	190
66 (Lake States cut-over).....	...	77,114	282	8,237	241	704	242	68,077	287	15,264	198
111, 118, and 119 (Northern Pacific Coast, Willamette Valley).....	...	174,396	287	33,997	230	6,934	230	132,792	309	(NA)	(NA)
Total.....	V	3,868,959	219	320,096	272	53,472	249	3,468,919	213	2,194,984	208
Subregions:											
47, 48, and 51 (Western Ohio, Central and Southwestern Indiana).....	...	1,563,584	255	94,043	277	14,492	279	1,441,891	252	847,502	254
63 (Eastern Illinois cash-grain).....	...	428,252	311	41,544	527	4,730	440	377,936	294	245,968	276
69 and 86 (Iowa, Minnesota, Illinois, Wisconsin Border).....	...	555,296	182	55,705	248	5,311	223	491,630	174	368,743	166
70 (Eastern Iowa, Western Illinois).....	...	226,964	229	22,350	397	2,772	323	200,795	216	143,300	202
71 (Southern Iowa, Northern Missouri, West Central Illinois).....	...	370,147	235	34,177	310	9,442	305	324,465	226	205,264	225
84 and 85 (Central Missouri River Valley).....	...	506,837	167	47,173	207	13,539	203	443,435	161	255,905	165
92 and 93 (Western Corn Belt Fringe).....	...	137,217	136	9,070	166	2,362	144	125,129	133	81,914	139
87 and 88 (Northwestern Corn Belt Fringe, Minnesota cut-over dairy).....	...	80,662	157	16,034	196	824	153	63,638	149	46,388	146
Total.....	VI	2,084,610	341	354,698	330	97,633	347	1,621,740	341	777,469	291
Subregions:											
18 and 20 (Central Virginia and Appalachian Valley).....	...	133,841	442	33,742	462	14,421	467	84,926	426	33,767	394
22 and 37 (Atlantic Coast).....	...	345,533	606	22,928	458	9,422	459	311,882	628	142,745	466
26, 29, 30, 31, 32, 33, 44, 46, 54, and 54 (Upper Ohio and Appalachian Valleys, Tennessee Basin, and Kentucky coal fields).....	...	1,125,807	356	224,217	334	61,602	333	834,115	360	444,258	296
62 and 72 (Southern Illinois Dairy, Livestock and Poultry).....	...	252,356	217	22,125	336	5,445	328	223,267	207	127,281	199
73 (Ozark Mountains and Border).....	...	119,027	229	27,083	265	4,328	273	86,672	216	29,418	214
112 (Central Utah, Southern Idaho).....	...	108,046	276	24,603	218	2,415	187	80,878	304	(NA)	(NA)
Total.....	VII	4,397,108	339	479,326	300	226,849	284	3,675,465	348	1,181,963	301
Subregions:											
34 and 42 (Southern Piedmont).....	...	726,949	398	114,708	347	55,043	315	554,220	422	171,253	353
23, 35, 36, 38, 40, and 43 (Central and Lower Coastal Plains).....	...	1,438,063	457	119,300	360	64,991	359	1,250,384	477	452,325	332
55 and 56 (Upper Coastal Plains, Limestone Valleys).....	...	384,904	398	37,542	393	16,931	340	329,031	402	144,783	312
57 and 59 (Alabama-Mississippi Black Belt, Gulf Coast Pine Woods).....	...	457,382	365	67,966	337	36,064	309	352,264	378	146,073	297
60 and 61 (Western Tennessee, Northern Mississippi).....	...	382,742	328	25,615	298	9,292	256	345,799	331	116,923	259
74 and 81 (Arkansas River Valley, Western Sandy Coastal Plains).....	...	58,211	249	11,520	243	3,623	214	42,915	252	10,767	236
75 and 76 (Delta and Gulf Coastal Plains).....	...	573,466	228	23,788	199	7,860	153	538,785	230	76,950	218
80 (Gulf Coastal Plains).....	...	208,990	258	36,545	244	20,662	218	150,991	268	48,930	250
101 (Oklahoma-Texas Rolling Plains).....	...	24,823	113	4,178	150	733	117	19,848	107	361	158
95, 96, and 97 (Mixed Prairie, Cross Timbers and Grand Prairie).....	...	141,578	169	38,164	183	11,650	162	91,228	163	13,598	172
Total.....	VIII	1,065,322	563	100,154	356	28,414	382	932,545	609	328,684	380
Subregions:											
45 (Central Kentucky—Barley).....	...	169,386	655	25,493	345	4,469	287	138,620	816	36,353	396
53 (Kentucky-Tennessee—Dark).....	...	156,413	327	22,840	284	3,852	291	128,789	335	69,656	252
24 and 25 (Piedmont and Central Coastal Plains, Flue-cured).....	...	739,523	640	51,821	404	20,083	440	665,136	681	222,675	448
Total.....	IX	1,072,211	359	72,704	348	54,585	331	941,822	362	358,177	366
Subregions:											
77 and 78 (Gulf Coast, Texas, and Louisiana).....	...	181,674	201	10,921	225	5,997	226	164,299	198	13,945	196
79 (Texas-Louisiana cut-over).....	...	28,530	272	8,318	295	3,585	215	16,506	275	6,671	287
21 (Northern Coastal Plains).....	...	239,411	614	11,938	567	5,059	571	221,349	618	116,136	618
41 (Southern Coastal Plains).....	...	622,596	393	41,527	372	39,944	354	539,668	398	221,425	318

NA Not available.

USE OF FERTILIZER AND LIME

XXIII

Table IV.—USE OF FERTILIZER FOR SPECIFIED CROPS AND USE OF LIME, BY SUBREGIONS, BY GENERALIZED TYPE-OF-FARMING AREAS: 1954—Continued

[See map on page XIV for location of generalized type-of-farming areas and subdivisions, and map on page XIII for location of subregions]

Generalized type-of-farming area, subregion and type-of-farming subdivision	Area number on map	Fertilizer—Continued						Lime		
		Cotton fertilized		Fruits, vegetables, and potatoes fertilized		Other crops fertilized except hay		Acres limed	Percent of total cropland plus improved pasture limed	Quantity used per acre limed (pounds)
		Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)			
United States, total.....	...	1,827,348	374	2,680,296	850	5,693,563	267	10,502,965	2.2	3,294
FRUIT, TRUCK, AND MIXED FARMING AREA										
Total.....	I	235,690	355	1,532,542	1,103	445,030	301	953,047	3.7	1,998
Subregions:
5, 14, and 15 (Atlantic Sandy Coastal Plain).....	303,758	1,424	112,542	417	351,303	10.6	1,739
39 (Central and Southern Florida).....	...	104	756	711,651	1,802	27,977	800	386,694	15.0	1,583
58 (Gulf Coast).....	...	13,069	567	54,541	705	15,250	420	65,312	4.9	1,795
50 (Eastern Shore, Lake Michigan).....	32,218	480	30,813	259	53,863	3.2	3,867
82 (Ozark Plateau).....	...	6	160	1,939	386	32,146	192	26,023	1.7	3,488
99 (Lower Rio Grande Valley).....	...	18,197	239	14,474	333	885	318	1,050	0.1	1,611
116 and 117 (San Joaquin Valley and Central California Coast).....	...	120,920	368	253,152	672	147,525	2-8	63,337	0.6	3,976
114 and 115 (Southern California, Southern Arizona).....	...	83,394	354	160,809	759	77,892	309	5,465	0.1	2,134
RANGE LIVESTOCK AREA										
Total.....	II	46,504	266	43,335	385	163,080	161	83,544	0.2	3,710
Subregions:
83 (Osage-Plint Hills).....	...	541	152	295	295	66,288	126	75,750	1.7	3,890
98 (Rio Grande Plains).....	...	3,845	187	10,558	291	6,009	144	321	(Z)	359
100, 102, and 107 (Southern High Plains; Edwards Plateau).....	...	10,531	259	1,467	338	8,358	186	430	(Z)	930
104 (Northern Great Plains; Sand Hills).....	43	242	158	813	(Z)	2,197	
108 (Southwestern semi-desert).....	...	31,520	288	2,023	416	3,409	300	901	0.1	3,587
109 and 113 (Great Basin; Colorado Plateau and Southwest).....	...	67	242	28,819	469	43,824	207	4,567	(Z)	1,843
106 (Northern Great Plains).....	3,130	289	36,646	209	962	(Z)	1,335
WHEAT AND SMALL GRAINS AREA										
Total.....	III	6,023	185	22,936	255	265,925	82	45,151	(Z)	3,318
Subregions:
84 (Red River Valley).....	10,692	210	62,173	75	191	(Z)	1,738
90, 91 and 105 (Northern Plains).....	447	174	27,794	48	415	(Z)	1,017
94 (Central Kansas and Oklahoma).....	...	726	151	168	184	60,623	82	41,881	0.5	3,353
103 (Central and Southern High Plains).....	...	5,297	190	2,724	464	32,066	110	2,534	(Z)	3,383
110 (Columbia River Basin).....	8,905	301	83,269	102	130	(Z)	462
DAIRY AREA										
Total.....	IV	...	...	571,650	809	1,069,278	291	2,573,015	4.7	3,090
Subregions:
1, 2, 6, 7, 8, and 10 (Northern New England, Central Northeast).....	215,427	1,362	107,265	343	529,381	5.5	2,717
3, 4, 9, 11, 12, 13, 16, 17, and 19 (Northeast Metropolitan Areas).....	170,681	842	341,185	397	679,402	7.2	2,469
27 and 28 (Lake Erie border, Southwest Pennsylvania).....	33,207	740	142,509	308	518,475	9.9	3,391
49 and 64 (Southeast Michigan, Northeast Illinois, Northwest Indiana).....	41,008	641	244,550	247	207,229	2.5	3,467
65, 67, and 68 (Central Wisconsin cut-over fringe).....	31,105	381	128,386	211	516,525	3.6	3,794
66 (Lake States cut-over).....	18,752	756	34,061	252	72,261	1.9	3,684
111, 118, and 119 (Northern Pacific Coast, Willamette Valley).....	11,470	477	71,322	239	49,742	1.1	2,660
FEED GRAINS AND LIVESTOCK AREA (CORN BELT)										
Total.....	V	(NA)	(NA)	52,140	413	1,221,795	216	3,574,606	2.9	4,135
Subregions:
47, 48, and 51 (Western Ohio, Central and Southwestern Indiana).....	...	(NA)	(NA)	30,420	558	563,969	243	1,122,217	5.1	3,839
63 (Eastern Illinois cash-grain).....	3,280	372	128,688	334	447,953	5.0	4,161
69 and 86 (Iowa, Minnesota, Illinois, Wisconsin Border).....	12,652	376	110,235	196	352,214	1.8	5,189
70 (Eastern Iowa, Western Illinois).....	1,456	335	56,039	259	504,507	5.4	4,217
71 (Southern Iowa, Northern Missouri, West Central Illinois).....	1,427	298	117,774	227	599,297	5.2	4,333
84 and 85 (Central Missouri River Valley).....	1,712	223	185,818	156	436,291	1.9	3,847
92 and 93 (Western Corn Belt Fringe).....	223	271	42,992	122	81,037	0.5	3,442
87 and 88, Northwestern Corn Belt fringe, Minnesota cut-over dairy).....	970	242	16,280	152	31,090	0.3	3,181
GENERAL FARMING AREA										
Total.....	VI	16,092	517	138,459	627	689,720	376	1,529,736	3.9	3,633
Subregions:
18 and 20 (Central Virginia and Appalachian Valley).....	8,708	385	42,451	466	73,901	4.7	3,143
22 and 37 (Atlantic Coast).....	...	13,312	601	45,651	1,253	110,174	834	75,970	4.6	1,673
24, 29, 30, 31, 32, 33, 44, 46, 52, and 54 (Upper Ohio and Appalachian Valleys, Tennessee Basin, and Kentucky coal fields).....	...	1,050	463	54,646	628	334,161	461	1,054,336	5.4	3,465
62, 72 (Southern Illinois Dairy, Livestock and Poultry).....	...	36	229	3,750	359	59,979	215	255,414	3.4	4,939
73 (Ozark Mountains and Border).....	...	1,694	259	1,581	443	53,979	212	69,810	1.7	4,064
112 (Central Utah, Southern Idaho).....	24,123	397	56,755	277	305	(Z)	1,193
COTTON AREA										
Total.....	VII	1,377,537	374	247,530	632	868,435	342	1,141,380	1.6	1,949
Subregions:
34 and 42 (Southern Piedmont).....	...	159,394	587	33,515	616	190,058	378	320,830	4.7	1,688
23, 35, 36, 33, 40, and 43 (Central and Lower Coastal Plains).....	...	311,836	573	130,479	855	355,744	632	250,957	2.5	1,791
55 and 56 (Upper Coastal Plains, Limestone Valleys).....	...	154,635	526	15,351	699	14,262	359	83,383	2.6	2,022
57 and 59 (Alabama-Mississippi Black Belt, Gulf Coast Piney Woods).....	...	164,106	477	13,312	602	23,773	368	138,425	2.6	1,651
60 and 61 (Western Tennessee, Northern Mississippi).....	...	12,615	428	6,218	622	110,643	342	96,280	1.8	2,073
74 and 81 (Arkansas River Valley, Western Sandy Coastal Plains).....	...	16,318	267	5,348	372	10,492	214	27,571	1.0	2,705
75 and 76 (Delta and Gulf Coastal Plains).....	...	364,748	249	12,810	370	80,277	172	144,154	1.3	2,784
80 (Gulf Coastal Plains).....	...	57,165	256	24,872	420	26,704	236	49,021	0.9	1,903
101 (Oklahoma-Texas Rolling Plains).....	...	7,835	105	541	224	11,111	105	2,010	(Z)	1,740
95, 96, and 97 (Mixed Prairie, Cross Timbers, and Grand Prairie).....	...	18,885	166	6,384	269	52,661	153	28,749	0.2	2,209
TOBACCO AND GENERAL FARMING AREA										
Total.....	VIII	...	...	25,475	790	578,386	911	367,549	3.9	3,633
Subregions:
45 (Central Kentucky—Burley).....	881	808	101,386	1,319	105,738	3.3	4,897
53 (Kentucky-Tennessee—Dark).....	...	(NA)	(NA)	1,266	702	57,867	540	172,843	6.4	3,658
24 and 25 (Piedmont and Central Coastal Plains, Flue-cured).....	23,328	795	419,133	929	88,968	2.4	2,082
SPECIAL CROPS AND GENERAL FARMING AREA										
Total.....	IX	1-5,502	480	46,239	599	391,914	317	234,937	2.1	1,449
Subregions:
77 and 78 (Gulf Coast, Texas, and Louisiana).....	...	20,693	269	5,044	248	134,617	195	13,309	0.3	1,823
79 (Texas-Louisiana cut-over).....	...	5,669	262	1,236	417	2,930	240	11,010	1.3	2,125
21 (Northern Coastal Plains).....	5,269	863	99,944	610	51,304	5.0	1,301
41 (Southern Coastal Plains).....	...	124,140	561	34,680	611	154,423	414	159,314	3.6	1,418

NA Not available. Z 0.05 percent or less.

USE OF FERTILIZER AND LIME

Table V.—PERCENT DISTRIBUTION OF FARMS REPORTING, ACRES FERTILIZED AND FERTILIZER USED, BY FARMS CLASSIFIED BY RATE OF USE PER ACRE, FOR SELECTED CROPS, FOR SELECTED STATE ECONOMIC AREAS, BY TYPE-OF-FARMING AREAS: 1954

[See Table 7 for data on which these percentages are based]

Crop fertilized, type-of-farming area, and state economic area	Percent distribution by rate applied (pounds) per acre of—											
	Farms reporting				Acres fertilized				Tons of fertilizer used			
	Under 225 pounds	225 to 449 pounds	450 to 674 pounds	675 pounds and over	Under 225 pounds	225 to 449 pounds	450 to 674 pounds	675 pounds and over	Under 225 pounds	225 to 449 pounds	450 to 674 pounds	675 pounds and over
CORN												
Fruit, Truck Crops, and Mixed Farming Area (I):												
State Economic Areas 1 and 2, N. J.	9	35	28	27	9	36	28	26	3	22	28	47
Dairy Area (IV):												
State Economic Areas 1 and 2, N. Y.	19	56	18	7	20	59	16	5	10	54	24	12
State Economic Areas 7 and 8, Wisc.	67	29	3	1	69	29	2	1	51	40	5	3
Feed Grain and Livestock Area (V):												
State Economic Areas 1a and 1b, Iowa.	80	18	2	1	82	17	1	(Z)	64	29	4	2
State Economic Areas 1 and 3, Ill.	66	24	6	4	69	24	5	2	43	33	11	12
State Economic Area 3, Mo.	80	16	2	1	83	14	2	1	64	25	6	6
General Farming Area (VI):												
State Economic Area 7, Ill.	53	32	8	7	54	32	8	5	30	37	16	18
State Economic Area 7, Ohio.	33	52	10	5	41	50	7	2	26	55	14	6
Tobacco and General Farming Area (VIII):												
State Economic Areas 3, 4a, and 4b, N.C.	24	46	20	10	25	49	19	7	11	43	28	18
Cotton Area (VII):												
State Economic Area 5, Ala.	40	42	14	4	46	41	11	2	25	46	20	8
State Economic Area 5, Ga.	46	41	10	3	48	41	8	3	27	48	17	8
State Economic Area 2, Miss.	50	35	11	4	50	35	10	4	26	40	20	14
State Economic Area 6, S. C.	26	44	22	8	26	44	22	7	12	40	32	16
Tobacco and General Farming Area (VIII):												
State Economic Area 7, Va.	19	43	24	14	21	46	22	11	9	37	29	26
WHEAT												
Fruit, Truck Crops, and Mixed Farming Area (I):												
State Economic Areas 1 and 2, N. J.	13	52	23	12	15	54	22	8	6	45	29	20
Dairy Area (IV):												
State Economic Areas 1 and 2, N. Y.	17	66	14	3	18	69	11	2	10	67	17	6
Feed Grain and Livestock Area (V):												
State Economic Areas 1a and 1b, Iowa.	91	8	1	...	96	3	1	...	88	7	5	...
State Economic Areas 1 and 3, Ill.	49	34	7	10	54	31	6	9	26	30	10	34
State Economic Area 3, Mo.	78	20	2	1	80	18	2	1	65	29	4	2
General Farming Area (VI):												
State Economic Area 7, Ill.	48	39	7	6	49	38	8	6	27	39	14	19
State Economic Area 7, Ohio.	30	56	10	4	36	55	7	2	22	59	13	6
COTTON												
Cotton Area (VII):												
State Economic Area 5, Ala.	6	36	37	22	6	35	38	20	3	24	40	34
State Economic Area 5, Ga.	7	29	44	21	6	29	46	19	2	20	46	32
State Economic Area 2, Miss.	18	45	26	11	22	44	25	9	9	38	33	20
State Economic Area 6, S. C.	4	22	47	28	4	20	47	30	1	12	44	43
HAY AND CROPLAND PASTURE												
Fruit, Truck Crops, and Mixed Farming Area (I):												
State Economic Areas 1 and 2, N. J.	8	35	40	17	8	40	40	12	3	28	44	24
Dairy Area (IV):												
State Economic Areas 1 and 2, N. Y.	28	46	18	8	36	47	13	4	18	48	23	11
State Economic Areas 7 and 8, Wisc.	50	36	10	3	57	34	6	3	36	41	13	10
Feed Grain and Livestock Area (V):												
State Economic Areas 1a and 1b, Iowa.	68	27	4	2	71	24	3	1	49	36	9	6
State Economic Areas 1 and 3, Ill.	24	28	16	32	26	30	14	30	7	18	14	60
State Economic Area 3, Mo.	65	21	6	8	72	18	4	5	46	24	10	20
General Farming Area (VI):												
State Economic Area 7, Ill.	23	31	12	35	30	26	13	32	7	15	12	66
State Economic Area 7, Ohio.	35	41	14	10	41	41	13	5	22	41	21	16
Tobacco and General Farming Area (VIII):												
State Economic Areas 3, 4a, and 4b, N. C.	30	37	20	13	31	42	18	8	13	38	27	22
Cotton Area (VII):												
State Economic Area 5, Ala.	31	31	23	15	23	33	26	18	8	26	32	35
State Economic Area 5, Ga.	27	40	22	11	39	37	17	6	14	38	28	19
State Economic Area 2, Miss.	36	38	15	10	54	30	9	7	25	36	18	21
State Economic Area 6, S. C.	39	37	16	8	36	44	13	6	15	45	22	18
Tobacco and General Farming Area (VIII):												
State Economic Area 7, Va.	23	32	25	20	24	35	25	17	8	26	31	35

Z 0.05 percent or less.

Table V—PERCENT DISTRIBUTION OF FARMS REPORTING, ACRES FERTILIZED AND FERTILIZER USED, BY FARMS CLASSIFIED BY RATE OF USE PER ACRE, FOR SELECTED CROPS, FOR SELECTED STATE ECONOMIC AREAS, BY TYPE-OF-FARMING AREAS. 1954—Continued

See Table 7 for data on which these percentages are based

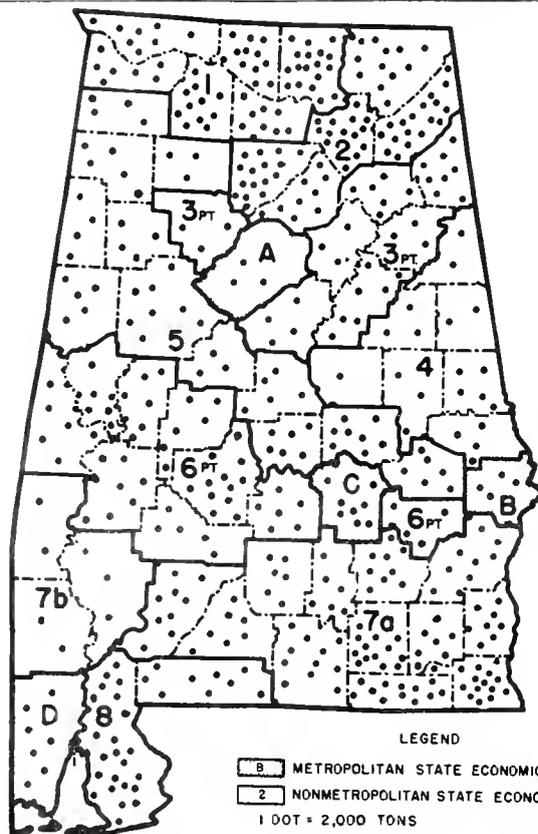
Fertilized crop, type-of-farming area, and State economic area	Percent distribution by rate applied (pounds) per acre of—											
	Farms reporting				Acres fertilized				Tons of fertilizer used			
	Under 750 pounds	750 to 1,499 pounds	1,500 to 2,249 pounds	2,250 pounds and over	Under 750 pounds	750 to 1,499 pounds	1,500 to 2,249 pounds	2,250 pounds and over	Under 750 pounds	750 to 1,499 pounds	1,500 to 2,249 pounds	2,250 pounds and over
OTHER PASTURE												
Fruit, Truck Crops and Mixed Farming Area (I):												
State Economic Area 1 and 2, N. J.	10	40	35	15	12	49	28	11	4	40	35	21
Dairy Area (IV):												
State Economic Areas 1 and 2, N. Y.	26	48	13	13	37	47	8	8	13	48	14	25
State Economic Areas 7 and 8, Wisc.	48	36	13	3	50	37	9	5	28	40	16	15
Feed Grain and Livestock Area (V):												
State Economic Areas 1a and 1b, Iowa	73	18	3	1	32	17	2	1	65	28	5	1
State Economic Areas 1 and 3, Ill.	36	28	12	23	41	23	15	22	13	16	17	54
State Economic Area 3, Mo.	59	27	5	8	65	20	4	11	32	22	9	38
General Farming Area (VI):												
State Economic Area 7, Ill.	40	26	17	17	44	19	12	24	16	13	16	54
State Economic Area 7, Ohio	34	40	20	6	31	46	10	14	14	38	14	34
Tobacco and General Farming Area (VIII):												
State Economic Areas 3, 4a, and 4b, N. C.	23	33	27	17	30	36	26	8	12	32	37	19
Cotton area (VII):												
State Economic Area 5, Ala.	27	37	19	17	43	31	16	10	16	31	24	29
State Economic Area 5, Ga.	34	38	19	9	52	30	12	5	23	36	22	20
State Economic Area 2, Miss.	46	30	13	10	59	30	7	4	27	40	16	17
State Economic Area 6, S. C.	27	39	19	15	29	39	22	10	12	36	30	22
Tobacco and General Farming Area (VIII):												
State Economic Area 7, Va.	13	32	26	28	23	32	28	17	7	25	33	35
OTHER CROPS												
Fruit, Truck Crops and Mixed Farming Area (I):												
State Economic Areas 1 and 2, N. J.	13	36	20	31	20	40	21	19	7	25	21	47
Dairy area (IV):												
State Economic Areas 1 and 2, N. Y.	25	57	13	6	28	60	10	3	15	60	16	9
State Economic Areas 7 and 8, Wisc.	36	34	14	15	55	30	9	6	31	33	16	20
Feed Grain and Livestock Area (V):												
State Economic Areas 1a and 1b, Iowa	84	14	1	1	86	14	1	(2)	72	24	2	1
State Economic Areas 1 and 3, Ill.	46	28	10	16	50	27	8	15	21	24	12	43
State Economic Area 3, Mo.	81	16	2	1	86	12	1	1	71	22	4	3
General Farming Area (VI):												
State Economic Area 7, Ill.	48	26	7	18	51	27	7	15	21	22	10	47
State Economic Area 7, Ohio	12	17	8	63	32	34	3	24	10	19	9	62
Cotton area (VII):												
State Economic Area 2, Miss.	46	30	13	12	56	30	6	8	32	34	11	23
Tobacco and General Farming Area (VIII):												
State Economic Area 7, Va.	17	39	26	18	19	45	23	13	8	34	29	29
CATS												
Dairy area (IV):												
State Economic Areas 7 and 8, Wisc.	72	25	3	1	77	21	2	(2)	61	32	5	2
TOBACCO												
Tobacco and General Farming Area (VIII):												
State Economic Areas 3, 4a, and 4b, N. C.	1	2	7	91	1	2	7	90	(2)	1	3	96
State Economic Area 7, Va.	1	2	6	92	2	2	5	90	(2)	(2)	3	97
FRUITS, VEGETABLES, AND POTATOES												
Fruit, Truck Crops and Mixed Farming Area (I):												
State Economic Area 1 and 2, N. J.	30	38	26	7	19	44	27	10	7	38	36	19
Dairy Area (IV):												
State Economic Areas 1 and 2, N. Y.	59	26	12	3	65	24	7	4	32	34	18	16
State Economic Areas 7 and 8, Wisc.	92	6	2	(2)	96	4	(2)	(2)	84	14	2	(2)
Feed Grain and Livestock Area (V):												
State Economic Areas 1a and 1b, Iowa	82	9	...	9	99	1	...	1	85	3	...	11
State Economic Areas 1 and 3, Ill.	80	18	2	...	95	5	(2)	...	85	15	(2)	...
State Economic Area 3, Mo.	89	6	4	...	99	(2)	(2)	...	95	2	3	...
General Farming Area (VI):												
State Economic Area 7, Ill.	82	15	2	2	94	6	(2)	(2)	79	19	1	1
State Economic Area 7, Ohio	72	20	3	4	82	16	1	1	58	33	3	5
Tobacco and General Farming Area (VIII):												
State Economic Areas 3, 4a, and 4b, N. C.	70	27	3	(2)	72	25	3	1	47	42	8	4
Cotton Area (VII):												
State Economic Area 5, Ala.	67	26	6	1	76	20	4	1	52	34	10	4
State Economic Area 5, Ga.	76	18	6	1	74	24	1	1	48	45	4	3
State Economic Area 2, Miss.	69	26	4	...	80	16	4	...	54	31	15	...
State Economic Area 6, S. C.	54	39	6	(2)	56	39	4	(2)	36	52	11	(2)
Tobacco and General Farming Area (VIII):												
State Economic Area 7, Va.	59	35	6	1	68	26	6	1	40	40	18	2
OTHER CROPS												
Tobacco and General Farming Area (VIII):												
State Economic Areas 3, 4a, and 4b, N. C.	91	8	1	...	96	4	(2)	(2)	87	12	1	(2)
Cotton Area (VII):												
State Economic Area 5, Ala.	81	16	4	...	95	5	1	...	87	11	2	...
State Economic Area 5, Ga.	90	8	2	1	96	4	1	(2)	86	10	4	(2)
State Economic Area 6, S. C.	49	28	21	2	86	11	3	(2)	62	25	11	2

Z 0.05 percent or less.

**TABLES FOR COUNTIES, STATES
AND ECONOMIC AREAS**

(1)

ALABAMA
TONS OF FERTILIZER



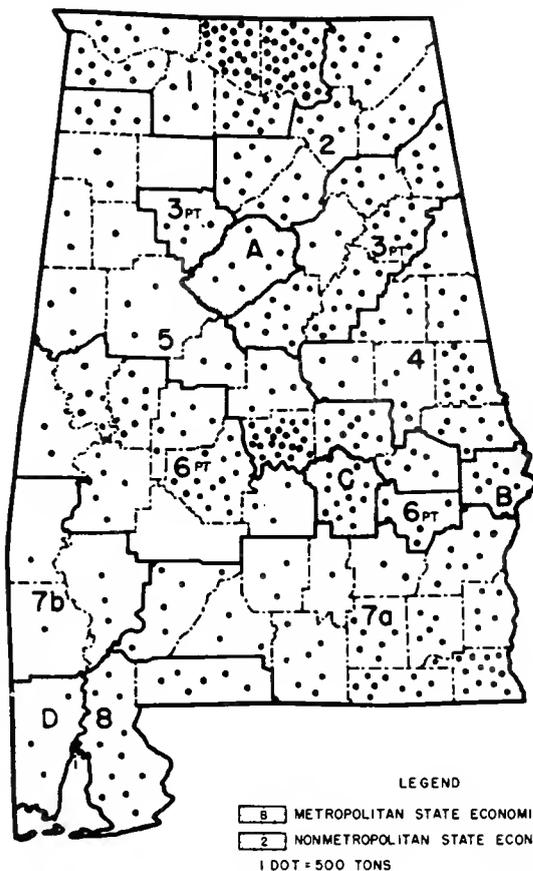
Map No. A54-388

Table 1.—USE OF FERTILIZER FOR SPECIFIED CROPS AND USE OF

State, economic area, and county	Fertilizer							
	All crops and all pasture fertilized		Hay and cropland pasture fertilized		Other pasture fertilized		All crops fertilized except hay	
	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)
1 United States, total	18,972,937	309	2,003,080	303	648,674	304	16,222,439	308
2 Alabama, total	961,765	402	115,431	401	64,954	370	778,049	405
Area 1:								
3 Colbert	13,090	394	1,085	370	710	359	11,116	388
4 Lauderdale	15,130	292	1,587	328	798	253	12,713	292
5 Lawrence	22,719	396	1,489	305	664	378	20,383	408
6 Limestone	24,329	359	2,987	396	922	341	20,328	353
7 Madison	35,220	387	4,299	334	1,022	294	29,720	399
8 Morgan	17,559	360	1,239	300	482	266	15,793	373
Area 2:								
9 Blount	18,969	452	1,564	457	772	330	16,432	460
10 Cullman	31,890	472	1,444	391	810	429	29,560	484
11 De Kalb	36,259	453	1,623	497	766	400	33,686	450
12 Jackson	23,786	391	1,677	342	414	389	21,540	394
13 Marshall	27,448	462	929	427	976	313	25,352	470
Area 3:								
14 Calhoun	6,010	389	1,185	384	406	412	4,342	389
15 Cherokee	15,672	434	1,076	386	653	505	13,872	438
16 Etowah	12,192	418	1,146	379	348	325	10,680	431
17 St. Clair	6,103	398	1,102	444	272	304	4,715	393
18 Shelby	8,152	437	2,008	429	634	274	5,444	475
19 Talladega	11,620	354	2,105	384	915	391	8,661	348
20 Walker	6,916	342	623	303	324	367	5,994	352
Metropolitan Area A:								
21 Jefferson	5,589	447	1,336	423	1,086	440	3,118	454
Area 4:								
22 Chambers	10,388	430	2,585	413	1,439	413	6,295	439
23 Clay	5,118	360	648	311	264	315	4,227	378
24 Cleburne	3,438	355	269	399	105	303	3,081	360
25 Coosa	2,464	363	369	323	346	452	1,716	358
26 Lee	8,778	439	2,223	479	877	475	5,616	418
27 Randolph	9,236	399	1,032	295	496	412	7,650	412
28 Tallapoosa	5,883	360	1,015	327	556	334	4,291	371
Metropolitan Area B:								
29 Russell	8,839	355	1,289	454	1,227	338	6,278	345

¹For 39 States only. Data not separately available for Arizona, California, Idaho, Montana, Nevada, Oregon, Utah, Washington, and Wyoming. ²For 13 States only. Data not separately available for 7 other States in which cotton was grown in 1954, viz, Illinois, Kansas, Kentucky, Nevada, North Carolina, Tennessee, and Virginia.

ALABAMA
TONS OF LIME



Map No. A54-389

LIME, BY ECONOMIC AREAS AND BY COUNTIES: CENSUS OF 1954

Fertilizer—Continued								Lime		
Specified crops fertilized		Specified crops fertilized		Fruits, vegetables, and potatoes fertilized		Other crops fertilized except hay		Acres limed	Percent of total cropland plus improved pasture	Quantity used per acre (pounds)
Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)			
Corn ₁ 6,020,305	Corn ₁ 259	Cotton ₂ 1,828,520	Cotton ₂ 373							
338,663	315	301,897	533	2,677,344	849	5,696,270	267	10,503,957	2.2	3,290
3,146	288	6,934	494	140	573	896	258	3,043	2.5	2,523
4,194	323	6,316	378	236	774	1,967	254	4,214	2.2	1,503
6,561	268	13,233	546	58	703	534	442	1,777	0.9	1,638
6,094	260	13,158	424	126	869	950	327	7,739	3.6	2,970
10,313	303	18,144	486	120	686	1,092	393	10,780	3.9	2,526
6,834	301	7,980	472	389	740	590	269	4,896	3.0	2,566
8,321	387	5,484	590	2,089	544	538	488	2,049	1.5	2,226
12,883	364	12,127	630	4,056	757	494	438	3,435	1.9	1,697
19,673	369	12,097	657	929	890	987	491	3,156	1.6	1,894
13,139	331	6,974	558	784	904	588	403	5,910	3.3	1,938
13,292	369	11,230	674	560	825	270	377	2,182	1.4	2,409
4,46	526	1,650	581	82	493	150	251	3,375	4.5	1,932
6,494	352	6,803	573	171	578	394	390	2,354	2.1	2,802
4,377	342	4,192	673	428	611	153	341	2,187	2.2	2,217
2,634	317	1,446	508	578	844	57	406	1,728	2.5	2,088
2,008	366	2,612	625	76	551	742	449	6,732	8.3	1,363
3,341	266	3,734	465	169	452	1,397	362	6,441	7.4	1,485
3,216	349	1,644	485	385	654	146	540	2,027	2.7	2,119
1,528	348	514	479	820	861	256	564	2,996	5.0	2,117
2,712	334	3,154	626	139	532	294	309	5,884	5.4	1,616
2,443	303	1,460	614	196	662	118	291	1,893	2.9	2,220
1,264	313	893	534	97	612	102	363	759	1.8	2,862
1,771	315	405	310	168	452	72	319	1,299	3.2	2,214
2,153	291	2,952	600	305	449	200	493	4,571	4.2	1,534
4,233	327	3,021	617	277	595	120	505	1,835	2.1	1,924
2,053	291	1,868	539	119	656	251	285	2,343	2.8	1,498
2,694	245	3,171	542	125	364	288	288	3,098	2.4	1,896

USE OF FERTILIZER AND LIME

Table 1.-USE OF FERTILIZER FOR SPECIFIED CROPS AND USE OF

State, economic area, and county	Fertilizer							
	All crops and all pasture fertilized		Hay and cropland pasture fertilized		Other pasture fertilized		All crops fertilized except hay	
	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)
Alabama—Continued								
Area 5:								
1 Autaugaa	12,620	438	3,581	628	1,084	385	8,013	398
2 Bibb	3,858	332	454	434	712	358	2,649	377
3 Chilton	10,812	400	1,894	354	252	173	8,852	442
4 Elmore	15,564	448	2,603	445	574	437	12,345	444
5 Fayette	7,298	327	618	456	513	283	6,236	332
6 Franklin	7,850	339	604	310	300	340	6,844	342
7 Lamar	7,562	313	397	299	214	288	6,880	317
8 Macon	12,200	408	1,834	396	1,505	447	8,815	401
9 Marion	9,144	356	810	364	666	390	7,668	351
10 Pickens	10,047	332	1,525	362	825	270	7,685	335
11 Tuscaloosa	15,326	399	2,660	432	1,744	387	10,838	388
12 Winston	5,716	413	614	542	208	297	4,869	403
Area 6:								
13 Bullock	8,320	375	2,080	506	986	395	5,237	336
14 Dallas	23,938	396	4,765	375	2,276	315	16,867	420
15 Greene	8,040	360	1,409	433	631	216	5,993	373
16 Hale	12,508	413	2,912	446	1,651	336	7,814	416
17 Lowndes	11,704	456	3,628	468	1,446	440	6,572	452
18 Marengo	14,612	382	4,554	400	1,537	266	8,478	403
19 Perry	11,542	381	2,768	368	1,461	314	7,171	402
20 Sumter	11,061	371	2,039	323	736	413	8,232	378
21 Wilcox	10,855	409	1,729	514	1,830	430	7,300	389
Metropolitan Area C:								
22 Montgomery	16,170	375	5,851	308	2,962	376	7,498	464
Area 7a:								
23 Barbour	18,673	386	1,312	443	1,671	391	15,458	381
24 Butler	12,666	420	1,398	464	1,339	386	9,929	416
25 Coffee	25,594	366	874	378	1,110	310	23,712	376
26 Conecuh	13,586	371	1,034	416	1,539	407	10,847	352
27 Covington	21,768	391	1,503	431	1,350	381	18,878	393
28 Crenshaw	12,712	371	458	370	650	391	11,562	362
29 Dale	14,514	382	632	413	1,173	408	12,702	381
30 Geneva	24,914	370	1,824	404	932	375	22,126	370
31 Henry	16,692	354	364	476	1,047	457	15,222	346
32 Houston	30,495	386	2,191	452	2,002	440	26,537	381
33 Monroe	18,102	413	1,507	431	1,266	322	15,173	415
34 Pike	18,360	345	1,273	305	960	396	15,834	340
Area 7b:								
35 Choctaw	4,778	296	237	263	194	209	4,331	303
36 Clarke	6,868	338	1,157	393	967	453	4,731	309
37 Washington	4,997	392	892	339	616	413	3,513	415
Area 8:								
38 Baldwin	46,062	729	6,227	622	2,744	503	37,028	773
39 Escambia	18,335	550	1,496	372	1,199	518	15,559	577
Metropolitan Area D:								
40 Mobile	13,105	523	1,789	428	1,798	524	9,448	541

USE OF FERTILIZER AND LIME

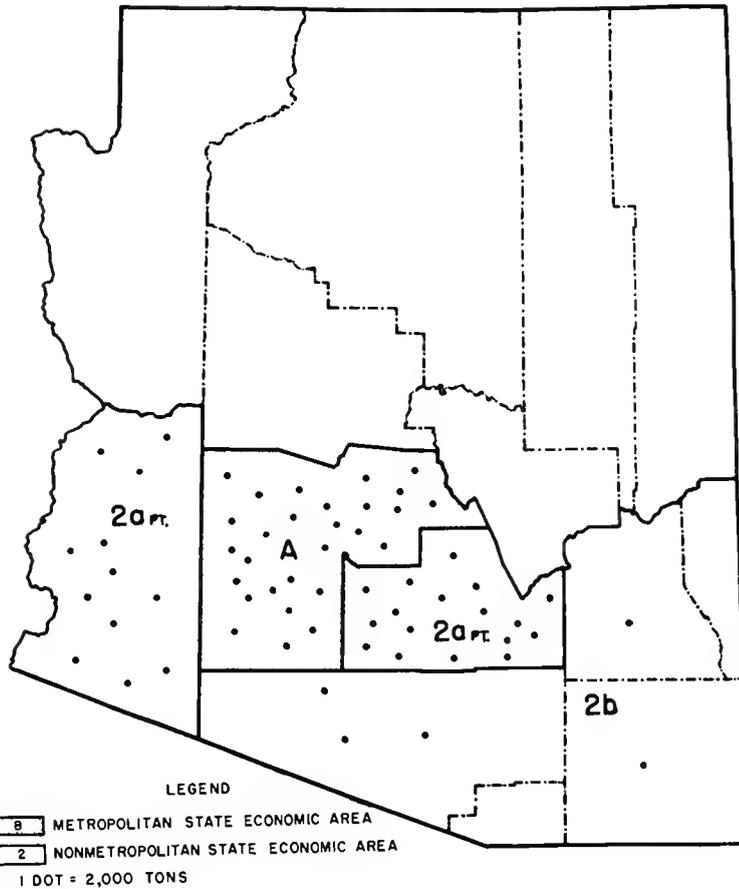
LIME, BY ECONOMIC AREAS AND BY COUNTIES: CENSUS OF 1954—Continued

Fertilizer—Continued								Lime		
Specified crops fertilized		Specified crops fertilized		Fruits, vegetables, and potatoes fertilized		Other crops fertilized except hay		Acres limed	Percent of total cropland plus improved pasture	Quantity used per acre (pounds)
Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)			
Corn	Corn	Cotton	Cotton							
3,343	314	2,642	544	596	562	1,432	401	9,164	7.9	2,324
1,524	323	1,010	515	32	328	83	335	869	2.3	1,991
3,773	341	2,754	558	2,015	626	304	383	3,135	3.1	1,412
5,191	357	5,221	583	955	538	378	381	7,512	5.4	1,382
3,790	280	2,149	470	130	493	167	395	732	1.1	967
2,598	219	3,882	529	64	512	300	421	2,964	2.8	1,952
3,568	245	3,061	465	160	498	91	379	665	0.8	3,038
2,630	244	5,651	584	59	648	475	342	3,030	2.4	1,626
3,795	263	3,511	521	69	438	293	546	1,195	1.3	1,356
2,973	232	4,177	489	100	416	435	323	1,668	1.0	2,485
4,549	289	4,819	502	737	647	733	500	3,330	2.5	377
2,539	316	2,148	565	134	975	48	369	721	1.3	2,358
1,920	240	2,320	479	104	738	893	343	1,835	2.0	2,012
5,362	297	9,111	544	128	686	2,266	433	7,779	2.9	1,749
1,912	269	3,349	454	136	375	596	485	2,005	2.1	1,430
2,262	320	4,586	497	40	333	926	390	2,555	1.7	2,166
2,049	336	3,426	585	54	964	1,043	414	2,053	1.4	1,660
2,946	292	4,678	516	124	547	730	436	2,532	1.6	2,025
1,836	269	3,434	516	107	389	1,794	442	2,775	2.1	2,205
2,843	281	4,285	487	89	539	1,015	379	1,976	1.1	1,240
2,730	284	3,268	491	71	341	1,231	537	3,597	3.0	1,445
2,574	363	3,520	570	375	665	1,029	443	5,728	2.5	1,854
5,990	287	4,320	533	395	548	4,843	439	5,451	3.3	1,312
5,413	348	3,117	562	277	750	1,232	481	2,062	2.3	1,541
9,943	293	6,593	538	164	624	7,052	419	4,101	2.5	1,402
6,193	285	3,615	532	204	584	835	434	2,008	1.8	1,739
10,488	322	4,983	596	340	793	3,067	465	5,615	3.4	1,257
6,539	316	2,942	496	106	554	1,925	381	1,517	1.4	486
5,070	297	2,538	533	350	406	4,842	446	3,998	3.7	1,276
11,996	307	5,608	541	537	614	3,985	415	6,476	4.0	1,390
4,832	254	4,299	493	249	585	5,842	367	3,562	2.7	1,357
9,686	287	7,433	510	2,182	546	7,236	416	8,320	4.4	1,888
8,050	338	6,224	575	172	636	727	451	4,483	3.6	1,385
6,631	280	4,203	471	200	537	4,800	355	2,381	1.5	948
2,494	239	1,672	477	65	622	100	383	639	1.0	1,624
2,749	250	1,539	455	148	416	295	511	1,518	2.0	1,744
2,362	373	730	551	154	688	267	448	482	1.1	1,739
9,531	594	826	575	18,592	1,828	8,079	397	6,766	4.4	1,630
7,453	452	4,322	752	1,478	1,675	2,306	599	2,475	2.9	2,277
4,566	476	766	615	2,762	672	1,354	541	2,007	2.1	1,686

USE OF FERTILIZER AND LIME

ARIZONA

TONS OF FERTILIZER



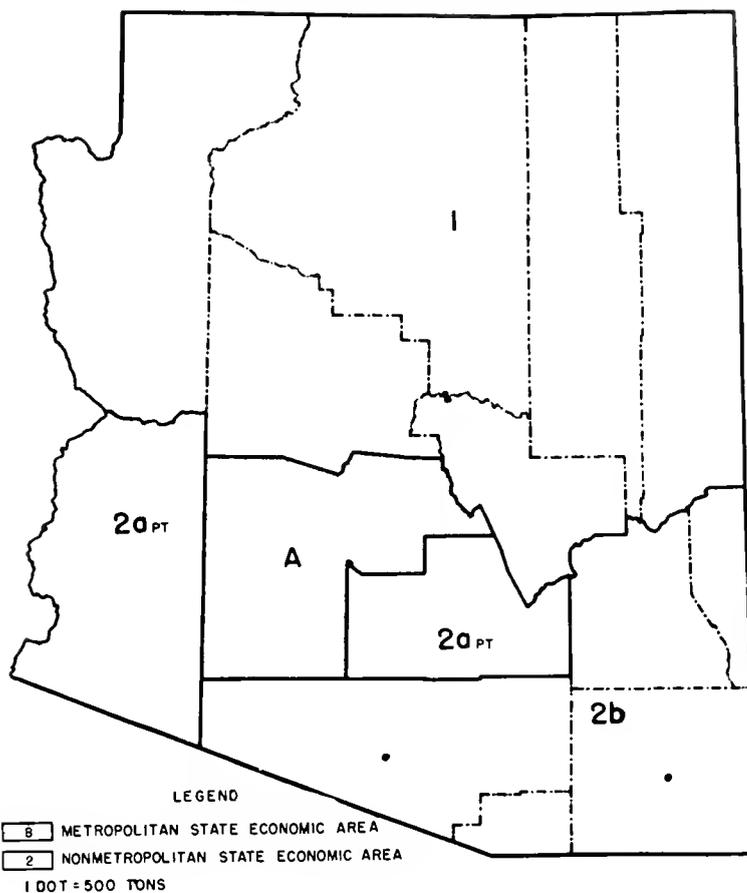
Map No. A54-392

Table 1.—USE OF FERTILIZER FOR SPECIFIED CROPS AND USE OF

State, economic area, and county	Fertilizer							
	All crops and all pasture fertilized		Hay and cropland pasture fertilized		Other pasture fertilized		All crops fertilized except hay	
	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)
1 Arizona, total	124,008	310	9,984	242	52	137	113,390	317
Area 1:								
2 Apache	12	226	12	226	...	...	...	...
3 Coconino	12	296	8	242	...	...	4	533
4 Gila	58	301	57	308	1	133	...	...
5 Mohave	181	166	76	148	...	...	107	185
6 Navajo	77	159	59	159	...	...	17	177
7 Yavapai	511	212	165	195	...	...	312	229
8 Metropolitan Area A:								
Maricopa	55,855	315	4,221	221	12	66	51,327	324
Area 2a:								
9 Pinal	33,516	275	838	228	1	167	32,469	275
10 Yuma	24,263	428	3,820	288	2	235	20,400	470
Area 2b:								
11 Cochise	1,714	160	50	110	24	213	1,639	162
12 Graham	1,021	345	186	702	...	...	834	309
13 Greenlee	120	255	78	285	...	...	42	213
14 Pima	6,265	270	323	167	12	189	5,927	278
15 Santa Cruz	403	217	91	354	...	...	312	195

Z 0.05 percent or less.

ARIZONA
TONS OF LIME



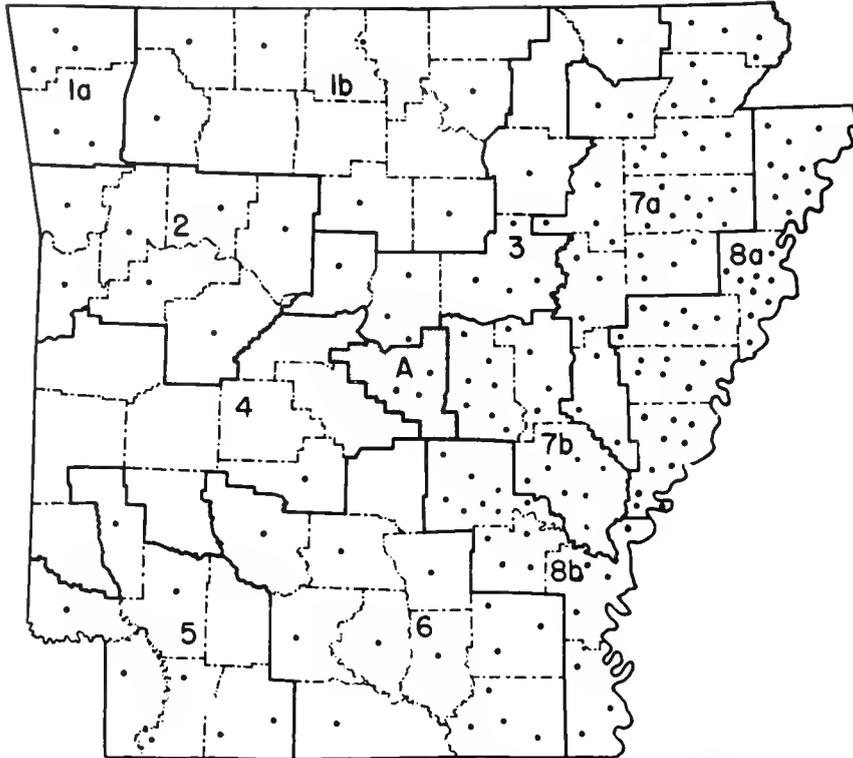
Map No. A54-393

LIME, BY ECONOMIC AREAS AND BY COUNTIES: CENSUS OF 1954—Continued

Fertilizer—Continued								Lime			
Specified crops fertilized		Specified crops fertilized		Fruits, vegetables, and potatoes fertilized		Other crops fertilized except hay		Acres limed	Percent of total cropland plus improved pasture	Quantity used per acre (pounds)	
Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)				
<i>Cotton</i> 61,703	<i>Cotton</i> 322	<i>Rice</i> ...	<i>Rice</i> ...	19,662	630	32,025	237	1,394	0.1	1,786	1
...	...	...	...	4	533	...	...	...	...	...	2
...	...	...	...	21	263	...	...	...	...	...	3
65	283	...	...	6	158	21	79	...	...	...	4
...	...	...	...	22	629	11	190	...	...	...	5
...	...	...	...	...	...	290	219	...	...	...	6
22,985	315	...	...	12,155	573	16,187	253	200	(2)	1,000	8
23,897	307	...	...	437	1,020	8,135	203	144	(2)	2,917	9
8,358	452	...	...	6,887	783	5,155	319	80	(2)	500	10
1,050	180	...	...	72	261	517	130	250	0.3	2,000	11
576	333	...	...	10	444	248	262	...	...	...	12
28	255	...	...	2	800	12	137	...	...	...	13
4,515	331	...	...	44	163	1,368	186	720	0.9	1,847	14
229	262	...	...	2	222	81	113	...	...	...	15

ARKANSAS

TONS OF FERTILIZER



LEGEND

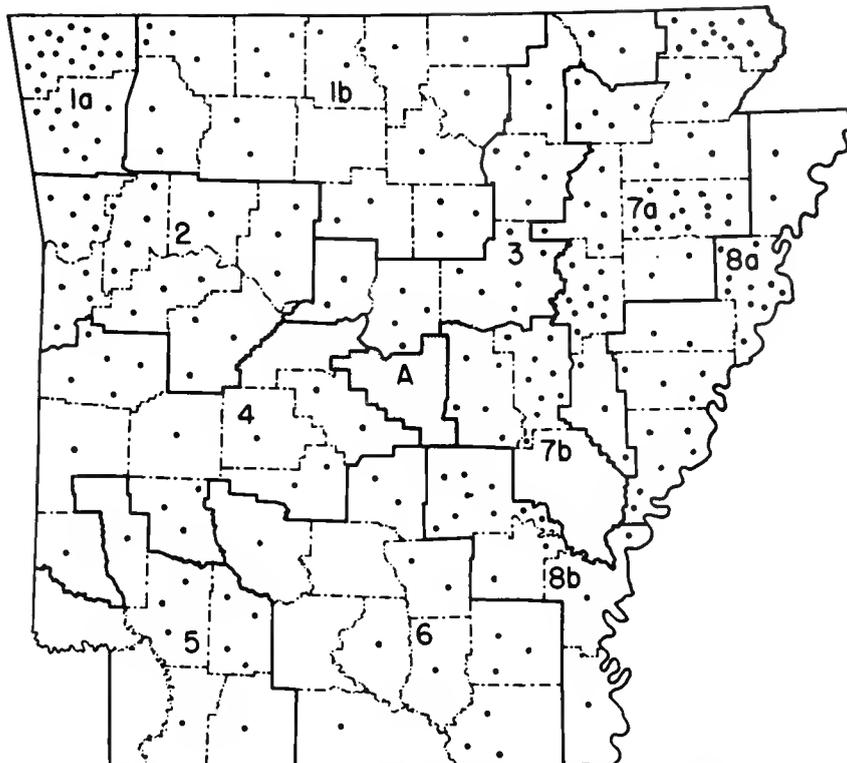
- 8 METROPOLITAN STATE ECONOMIC AREA
 - 2 NONMETROPOLITAN STATE ECONOMIC AREA
- 1 000 = 2,000 TONS

Map No. A54-390

Table 1.-USE OF FERTILIZER FOR SPECIFIED CROPS AND USE OF

State, economic area, and county	Fertilizer							
	All crops and all pasture fertilized		Hay and cropland pasture fertilized		Other pasture fertilized		All crops fertilized except hay	
	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)
1 Arkansas, total	347,694	236	29,205	231	7,066	187	310,197	237
Area 1a:								
2 Benton	6,237	228	2,336	231	232	236	3,696	224
3 Washington	4,260	243	1,644	231	204	202	2,358	260
Area 1b:								
4 Baxter	480	276	301	322	9	450	170	219
5 Boone	1,597	246	804	243	190	196	601	265
6 Carroll	1,637	255	856	258	102	183	677	267
7 Cleburne	1,756	230	224	310	44	159	1,458	221
8 Fulton	874	268	364	311	79	251	432	243
9 Izard	1,518	236	482	252	52	392	974	220
10 Madison	2,019	301	621	311	122	449	1,266	293
11 Marion	1,763	300	450	316	24	369	288	281
12 Newton	451	268	186	250	32	354	233	272
13 Searcy	868	334	263	300	20	315	577	344
14 Stone	421	266	107	227	1	100	305	277
15 Van Buren	1,689	262	477	278	85	228	1,133	262
Area 2:								
16 Crawford	2,958	318	630	293	223	343	2,060	315
17 Franklin	2,126	226	616	230	178	136	1,305	246
18 Johnson	1,590	244	142	218	144	170	1,284	257
19 Logan	2,381	266	712	289	105	225	1,549	255
20 Pope	1,951	245	268	267	48	204	1,630	241
21 Sebastian	1,959	275	561	303	138	123	1,253	304
22 Yell	2,486	255	424	211	386	346	1,672	253
Area 3:								
23 Conway	2,709	251	434	269	48	300	2,214	248
24 Faulkner	5,480	287	884	332	115	260	4,479	281
25 Independence	1,792	232	374	253	44	184	1,364	223
26 Randolph	2,699	229	156	248	42	255	2,529	228
27 Sharp	908	241	159	225	8	291	738	241
28 White	8,910	273	934	226	276	327	7,820	283
Metropolitan Area A:								
29 Pulaski	5,140	254	436	201	108	175	4,589	263

ARKANSAS
TONS OF LIME



LEGEND
 1 METROPOLITAN STATE ECONOMIC AREA
 2 NONMETROPOLITAN STATE ECONOMIC AREA
 100T = 500 TONS

Map No. A54-391

LIME, BY ECONOMIC AREAS AND BY COUNTIES: CENSUS OF 1954—Continued

Fertilizer—Continued								Lime			
Specified crops fertilized		Specified crops fertilized		Fruits, vegetables, and potatoes fertilized		Other crops fertilized except hay		Acres limed	Percent of total cropland plus improved pasture	Quantity used per acre (pounds)	
Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)				
Corn 41,704	Corn 230	Cotton 198,235	Cotton 256	11,054	376	59,204	184	77,937	0.8	2,978	1
671	224	...	...	377	418	2,648	210	4,545	2.4	3,615	2
357	245	...	...	611	338	1,390	239	2,630	1.4	3,175	3
62	194	5	200	16	400	87	222	450	1.0	3,089	4
128	236	...	...	15	423	458	271	1,044	1.4	3,121	5
254	300	...	...	52	320	371	242	1,306	1.2	3,012	6
637	182	584	241	106	487	131	286	559	0.8	4,680	7
236	219	94	267	20	533	82	264	155	0.2	3,419	8
388	175	432	250	28	509	126	290	245	0.2	4,286	9
340	292	...	...	202	553	724	259	879	1.0	2,528	10
76	267	1	400	4	229	207	288	480	1.1	3,142	11
111	248	2	364	44	419	76	256	448	1.1	4,701	12
201	282	32	291	259	471	85	276	72	0.1	5,278	13
165	257	15	250	83	497	42	180	135	0.3	4,000	14
473	207	215	288	161	563	284	279	451	0.5	3,920	15
136	302	8	291	1,303	373	613	240	1,255	1.5	4,231	16
163	249	22	183	238	417	882	222	1,531	2.1	3,241	17
295	249	31	106	678	315	280	204	215	0.3	4,233	18
322	286	85	199	124	506	1,018	238	665	0.6	4,436	19
444	217	494	288	367	265	325	201	1,270	1.1	2,449	20
288	411	40	267	212	493	713	250	1,447	2.3	2,741	21
558	235	776	274	30	414	308	234	1,278	1.3	2,286	22
558	208	1,075	290	191	365	390	194	647	0.5	3,573	23
939	252	2,550	288	110	512	880	281	947	0.6	4,256	24
411	213	711	237	58	387	184	175	1,290	1.0	3,529	25
866	254	1,467	231	2	200	194	147	710	0.6	2,394	26
247	180	385	275	96	400	10	182	550	0.7	3,931	27
2,035	223	4,283	296	618	532	884	305	1,601	0.7	3,845	28
814	487	2,792	252	144	360	839	196	125	0.1	1,440	29

USE OF FERTILIZER AND LIME

Table 1.-USE OF FERTILIZER FOR SPECIFIED CROPS AND USE OF

State, economic area, and county	Fertilizer							
	All crops and all pasture fertilized		Hay and cropland pasture fertilized		Other pasture fertilized		All crops fertilized except hay	
	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)
Arkansas—Continued								
Area 4:								
1 Garland	297	174	129	191	86	118	83	272
2 Hot Spring	1,184	296	374	261	214	304	598	322
3 Montgomery	390	209	188	234	26	212	170	184
4 Perry	984	194	67	195	53	167	864	200
5 Pike	989	224	272	197	91	154	621	258
6 Polk	734	287	332	296	89	178	310	331
7 Saline	697	247	394	262	16	221	290	235
8 Scott	840	294	276	325	10	267	554	279
9 Sevier	726	259	312	258	32	221	374	255
Area 5:								
10 Columbia	4,654	253	390	215	162	154	4,081	263
11 Hempstead	3,295	219	366	197	257	104	2,673	249
12 Howard	1,480	224	262	187	90	209	1,130	236
13 Lafayette	3,084	244	174	142	126	191	2,783	259
14 Little River	1,240	209	136	236	106	180	996	208
15 Miller	2,130	223	377	259	214	180	1,605	223
16 Nevada	2,730	260	351	243	44	163	2,312	263
Area 6:								
17 Ashley	7,198	272	223	182	147	177	6,772	279
18 Bradley	2,195	325	226	286	10	174	1,967	337
19 Calhoun	1,538	260	66	189	56	174	1,394	267
20 Clark	1,676	239	317	295	65	215	1,271	227
21 Cleveland	2,098	277	175	160	70	162	1,831	303
22 Dallas	1,096	257	142	252	52	204	907	258
23 Drew	5,522	260	691	191	84	130	4,777	281
24 Grant	682	255	157	213	63	332	449	255
25 Ouachita	1,262	265	499	260	90	735	688	246
26 Union	1,862	273	427	273	132	175	1,287	283
Area 7a:								
27 Clay	8,580	248	246	183	56	270	8,229	249
28 Craighead	12,689	232	145	413	131	174	12,264	231
29 Cross	8,462	202	170	102	72	177	8,193	206
30 Greene	7,661	259	158	458	165	248	7,269	257
31 Jackson	8,710	239	314	190	77	179	8,486	245
32 Lawrence	4,464	244	216	248	62	149	4,162	250
33 Monroe	6,368	226	23	69	21	168	6,228	224
34 Poinsett	15,464	217	220	230	19	304	15,177	216
35 Woodruff	6,119	215	131	150	20	200	6,045	220
Area 7b:								
36 Arkansas	13,596	195	548	210	94	291	12,903	193
37 Lenoke	13,725	231	260	231	116	213	13,226	234
38 Prairie	7,412	194	505	181	92	106	6,737	195
Area 8a:								
39 Crittenden	17,813	224	334	155	64	147	17,332	225
40 Lee	11,122	238	342	221	90	179	10,688	235
41 Mississippi	18,137	182	165	284	26	108	17,855	181
42 Phillips	17,584	283	413	225	44	69	17,095	290
43 St. Francis	12,555	237	408	424	191	201	11,962	237
Area 8b:								
44 Chicot	6,460	207	373	114	80	76	5,967	222
45 Desha	8,706	241	180	229	76	64	8,334	245
46 Jefferson	15,653	274	659	142	84	133	14,851	286
47 Lincoln	8,112	241	227	147	42	200	7,753	246

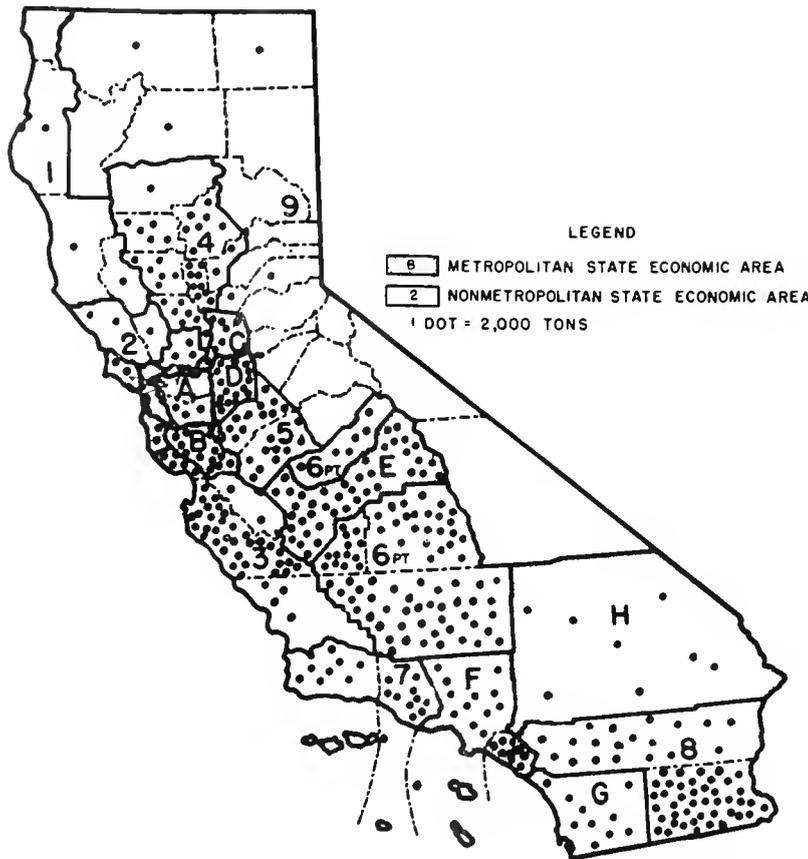
□ 0.55 percent or less.

LIME, BY ECONOMIC AREAS AND BY COUNTIES: CENSUS OF 1954—Continued

Fertilizer—Continued								Lime		
Specified crops fertilized		Specified crops fertilized		Fruits, vegetables, and potatoes fertilized		Other crops fertilized except hay		Acres limed	Percent of total cropland plus improved pasture	Quantity used per acre (pounds)
Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)			
Corn	Corn	Cotton	Cotton							
16	160	5	667	38	411	24	229	512	1.9	883
262	269	104	350	192	439	40	271	600	1.3	3,483
75	161	10	167	12	327	67	196	435	1.1	2,975
353	235	304	266	29	259	178	114	40	0.1	3,750
287	252	101	311	152	254	81	235	825	2.2	3,404
103	247	8	229	75	588	124	355	759	1.1	1,863
131	242	8	533	78	318	73	168	1,620	3.4	1,132
246	242	34	243	37	400	237	321	1,569	2.5	2,897
146	198	64	261	33	337	131	338	445	0.7	2,135
1,293	213	2,391	299	126	391	271	238	245	0.3	3,510
794	259	1,288	224	428	350	163	233	3,065	1.4	843
328	228	163	150	531	323	108	173	340	0.6	2,147
371	217	2,048	287	44	320	320	180	685	1.0	1,174
205	239	561	206	62	451	168	156	455	0.6	1,086
308	261	1,076	225	93	295	128	137	128	0.1	1,280
838	250	958	276	286	296	230	228	1,078	1.6	3,532
803	249	5,172	339	76	461	721	128	1,723	1.5	1,713
484	230	765	304	508	773	210	375	290	0.7	2,172
436	204	740	335	78	411	140	202	285	1.0	4,035
458	206	467	276	126	380	220	164	350	0.4	3,663
214	236	1,271	307	179	490	167	266	635	1.3	2,803
323	208	462	314	58	327	64	202	105	0.4	3,619
918	284	2,937	308	173	589	749	190	745	0.8	3,946
140	204	106	192	130	444	73	321	345	1.1	5,130
173	149	385	317	96	359	34	223	90	0.2	3,444
538	263	491	309	190	292	68	259	1,015	2.3	1,419
1,844	227	5,910	265	10	333	465	184	2,890	1.4	3,772
1,043	253	9,340	240	66	344	1,215	166	1,205	0.4	2,108
642	223	5,679	241	115	354	1,757	135	690	0.3	2,771
1,340	224	5,686	267	19	543	224	244	580	0.3	3,121
629	315	7,263	247	58	368	536	175	1,611	0.7	2,883
1,196	218	2,800	266	26	371	140	230	1,300	0.9	3,477
425	200	5,125	245	6	150	672	139	900	0.7	3,007
868	223	11,048	233	9	229	3,253	171	2,245	0.7	5,212
563	248	4,492	248	153	207	837	133	4,565	2.6	1,941
238	199	1,427	279	8	500	11,230	186	50	(Z)	4,000
836	239	8,110	289	156	335	4,124	168	2,154	0.7	2,097
482	215	1,250	243	12	369	4,993	185	1,576	0.9	5,985
1,330	183	14,323	243	30	107	1,649	154	3,280	1.2	3,077
935	185	8,943	257	4	160	806	147	1,072	0.6	3,776
904	159	15,659	182	54	568	1,238	177	685	0.1	2,204
1,782	258	14,260	300	15	526	1,038	234	1,778	0.8	3,340
1,084	211	9,478	250	78	228	1,322	185	500	0.2	3,880
508	233	4,402	244	13	433	1,044	158	285	0.2	2,596
787	237	6,511	272	4	111	1,032	155	925	0.6	1,751
1,006	310	11,886	313	106	369	1,853	177	3,030	1.4	3,019
844	200	6,025	288	128	400	756	124	1,305	0.9	1,813

CALIFORNIA

TONS OF FERTILIZER



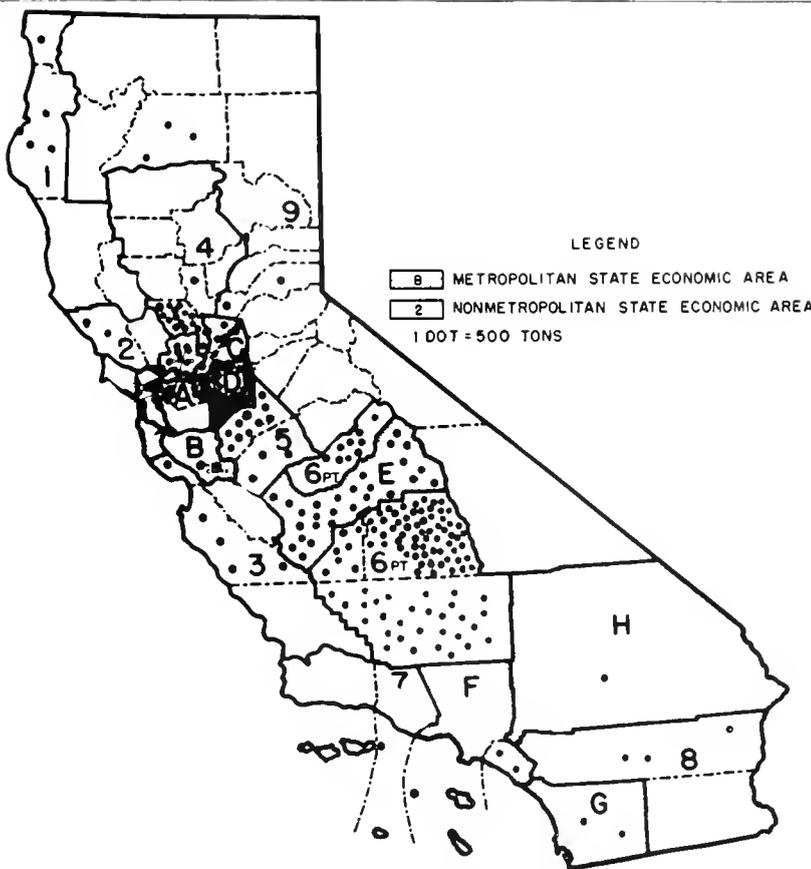
Map No. A54-394

Table 1.-USE OF FERTILIZER FOR SPECIFIED CROPS AND USE OF

State, economic area, and county	Fertilizer							
	All crops and all pasture fertilized		Hay and cropland pasture fertilized		Other pasture fertilized		All crops fertilized except hay	
	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)
1 California, total	814,857	421	59,634	283	11,934	270	742,304	441
2 Area 1:								
3 Del Norte	164	781	36	436	18	360	111	1,432
4 Humboldt	2,014	418	1,422	363	347	449	245	1,234
5 Lake	1,413	277	184	182	73	265	1,141	299
5 Mendocino	1,409	358	375	272	198	268	824	452
6 Area 2:								
6 Napa	1,031	214	170	172	208	345	653	203
7 Sonoma	4,980	384	754	291	1,219	332	3,002	444
8 Metropolitan Area A:								
8 Alameda	5,899	891	19	400	48	132	5,817	936
9 Contra Costa	4,019	403	388	236	94	251	3,530	445
10 Marin	202	236	36	226	51	243	114	235
11 San Francisco	75	1,875	...	...	...	...	75	1,875
12 San Mateo	4,568	1,379	30	500	40	552	4,481	1,409
13 Solano	5,605	285	383	369	232	165	4,964	287
14 Metropolitan Area B:								
14 Santa Clara	27,262	749	197	244	200	200	26,910	780
15 Area 3:								
15 Monterey	66,132	1,064	696	317	172	313	65,129	1,094
16 San Benito	3,464	471	30	254	21	323	3,411	476
17 San Luis Obispo	8,099	587	469	165	104	174	7,501	729
18 Santa Cruz	9,852	1,050	114	289	191	621	9,525	1,098
19 Area 4:								
19 Butte	14,931	234	1,330	326	150	221	13,429	227
20 Colusa	12,681	212	71	135	62	219	12,419	210
21 Glenn	9,595	256	759	304	160	261	8,687	252
22 Sutter	18,456	290	140	261	252	169	17,928	290
23 Tehama	2,474	274	265	201	462	192	1,735	328
24 Yolo	14,577	238	98	191	90	200	14,369	238
25 Yuba	3,869	261	335	135	349	345	3,185	281
26 Metropolitan Area C:								
26 Sacramento	14,620	329	1,290	212	512	259	12,813	352
27 Area 5:								
27 Merced	19,824	339	3,100	320	712	291	15,933	343
28 Stanislaus	22,487	380	4,885	299	1,164	236	16,141	428

Z 0.05 percent or less.

CALIFORNIA
TONS OF LIME



Map No. A54-395

LIME, BY ECONOMIC AREAS AND BY COUNTIES: CENSUS OF 1954—Continued

Fertilizer—Continued								Lime			
Specified crops fertilized		Specified crops fertilized		Fruits, vegetables, and potatoes fertilized		Other crops fertilized except hay		Acres limed	Percent of total cropland plus improved pasture	Quantity used per acre (pounds)	
Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)				
Cotton 142,587	Cotton 383	Rice 39,214	Rice 212	401,432	698	159,071	288	70,380	0.5	3,825	1
...	...	...	...	1	400	110	1,467	230	2.0	2,261	2
...	...	...	...	109	747	136	2,590	1,126	1.1	2,263	3
...	...	...	...	1,045	317	96	186	25	(2)	2,000	4
...	...	...	...	676	485	148	345	333	0.3	1,129	5
...	...	...	...	372	206	281	194	30	(2)	2,333	6
...	...	...	...	2,578	437	424	493	885	0.4	1,939	7
...	...	...	...	4,580	901	1,237	1,099	50	(2)	2,600	8
...	...	...	...	3,184	543	346	165	4,102	3.0	2,700	9
...	...	...	...	2	800	112	232	5	(2)	2,000	10
...	...	...	...	...	...	75	1,875	...	...	...	11
...	...	...	...	3,833	1,400	648	1,464	48	0.1	1,250	12
...	...	...	...	2,186	305	2,763	274	500	0.2	15,672	13
...	...	168	243	25,161	813	1,581	553	2,270	1.1	1,053	14
458	1,405	...	...	57,011	1,251	7,660	562	1,561	0.4	2,837	15
14	200	...	...	2,375	600	1,022	326	25	(2)	800	16
3	29	...	...	6,212	1,684	1,286	198	15	(2)	667	17
...	...	...	...	8,908	1,156	617	638	910	1.9	1,626	18
...	...	6,191	191	3,897	373	3,341	204	293	0.1	805	19
...	...	8,285	223	1,113	303	3,021	165	80	(2)	2,000	20
...	...	6,104	257	985	431	1,593	190	385	0.1	571	21
...	...	6,470	226	7,352	515	4,106	218	430	0.1	1,474	22
...	...	...	...	985	347	750	306	579	0.3	397	23
...	...	3,306	187	4,557	345	6,506	221	2,545	0.6	6,303	24
...	...	1,288	217	1,337	419	560	252	25	(2)	2,400	25
...	...	620	205	3,381	446	8,812	342	1,838	0.6	4,751	26
3,357	338	926	159	8,054	414	3,596	321	1,281	0.3	2,389	27
124	276	256	238	13,683	491	2,078	249	5,187	1.1	1,916	28

USE OF FERTILIZER AND LIME

Table 1.—USE OF FERTILIZER FOR SPECIFIED CROPS AND USE OF

State, economic area, and county	Fertilizer							
	All crops and all pasture fertilized		Hay and cropland pasture fertilized		Other pasture fertilized		All crops fertilized except hay	
	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)
California—Continued								
1 Metropolitan Area D: San Joaquin	32,420	424	1,758	286	680	277	29,703	439
2 Area 6:								
3 Kern	84,267	511	2,314	335	204	349	81,335	511
4 Kings	26,050	221	837	268	...	...	25,195	221
5 Madera	12,521	343	1,313	316	665	388	10,666	348
Tulare	47,096	393	3,008	358	232	214	43,843	396
6 Metropolitan Area E: Fresno	81,626	325	2,211	239	364	225	78,989	329
7 Area 7:								
8 Santa Barbara	15,937	742	305	339	4	381	15,588	754
Ventura	19,468	578	127	132	112	301	19,211	595
9 Metropolitan Area F: Los Angeles	24,846	687	1,615	246	544	308	22,624	812
10 Orange	19,190	671	242	274	68	226	18,946	691
11 Metropolitan Area G: San Diego	20,250	664	593	165	265	249	19,497	759
12 Metropolitan Area H: San Bernardino	16,650	634	1,304	285	42	200	15,234	713
13 Area 8:								
14 Imperial	85,400	434	19,414	317	118	330	66,582	490
Riverside	37,179	523	4,564	273	432	431	32,089	603
15 Area 9:								
16 Alpine	13	113	13	113	...	...	...	...
17 Amador	144	173	63	172	57	197	24	127
18 Calaveras	200	194	159	248	20	148	21	82
19 El Dorado	940	373	166	283	52	341	720	407
20 Inyo	75	743	11	163	...	...	64	1,910
21 Lassen	247	170	204	192	10	500	32	86
22 Mariposa	159	166	16	211	120	189	23	93
23 Modoc	1,776	231	217	131	7	100	1,554	258
Mono .....	...	...	...	...	...	...	...	...
24 Nevada	501	265	134	238	226	258	140	313
25 Placer	4,252	246	410	146	180	278	3,656	263
26 Plumas	54	197	42	183	10	377	2	114
27 Shasta	1,185	212	381	155	332	303	468	226
28 Sierra	12	267	12	267	...	...	...	...
29 Siskiyou	2,575	211	557	184	46	145	1,987	227
30 Trinity	19	211	13	213	...	...	6	214
31 Tuolumne	103	307	55	880	15	188	33	171

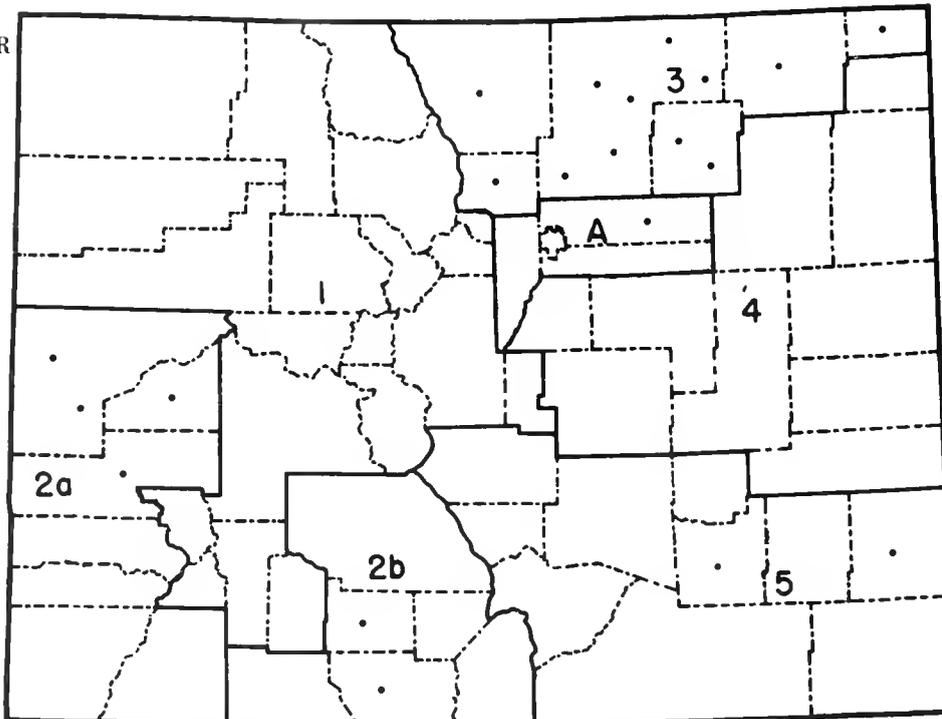
Z 0.05 percent or less.

LIME, BY ECONOMIC AREAS AND BY COUNTIES: CENSUS OF 1954—Continued

Fertilizer—Continued								Lime			
Specified crops fertilized		Specified crops fertilized		Fruits, vegetables, and potatoes fertilized		Other crops fertilized except hay		Acres limed	Percent of total cropland plus improved pasture	Quantity used per acre (pounds)	
Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)				
<i>Cotton</i> ...	<i>Cotton</i> ...	<i>Rice</i> 1,151	<i>Rice</i> 198	23,375	574	5,177	246	10,247	1.6	4,681	1
43,633	479	717	246	23,238	810	13,747	378	7,164	0.8	4,242	2
12,622	252	7	389	307	382	12,259	194	1,555	0.3	4,414	3
7,487	331	264	346	1,128	587	1,787	337	2,595	0.6	3,445	4
20,267	339	248	151	19,731	516	3,597	323	11,296	1.4	5,594	5
32,903	351	2,561	182	23,610	577	19,915	218	7,406	0.6	3,500	6
...	...	...	...	12,727	895	2,861	445	195	0.1	1,456	7
60	500	...	...	17,548	638	1,603	344	80	(0)	4,500	8
858	1,507	...	...	18,130	877	3,636	548	...	...	...	9
...	...	...	...	16,979	711	1,967	557	954	0.6	2,319	10
3	150	...	...	17,110	1,036	2,38-	261	1,127	0.3	2,050	11
...	...	...	...	14,158	743	1,076	463	555	0.3	2,559	12
16,992	506	67	561	19,501	717	30,022	400	...	...	...	13
3,806	375	130	218	24,953	781	3,200	305	1,170	0.3	2,217	14
...	...	...	...	...	...	...	...	...	...	...	15
...	...	...	...	10	196	14	102	...	...	...	16
...	...	...	...	6	37	15	158	...	...	...	17
...	...	...	...	720	407	...	...	36	0.1	8,444	18
...	...	...	...	61	2,596	3	300	...	...	...	19
...	...	...	...	...	...	32	86	...	...	...	20
...	...	...	...	23	93	...	...	...	...	...	21
...	...	...	...	861	503	693	160	...	...	...	22
...	...	...	...	...	...	...	...	...	...	...	23
...	...	...	...	140	313	...	...	50	0.2	600	24
...	...	440	161	2,510	427	706	134	757	0.6	2,077	25
...	...	...	...	...	...	2	114	60	0.2	1,000	26
...	...	...	...	27	540	441	218	375	0.3	7,333	27
...	...	...	...	...	...	...	...	...	...	...	28
...	...	...	...	986	495	1,001	148	...	...	...	29
...	...	...	...	6	214	...	...	...	...	...	30
...	...	...	...	10	133	23	196	...	...	...	31

COLORADO

TONS OF FERTILIZER



LEGEND

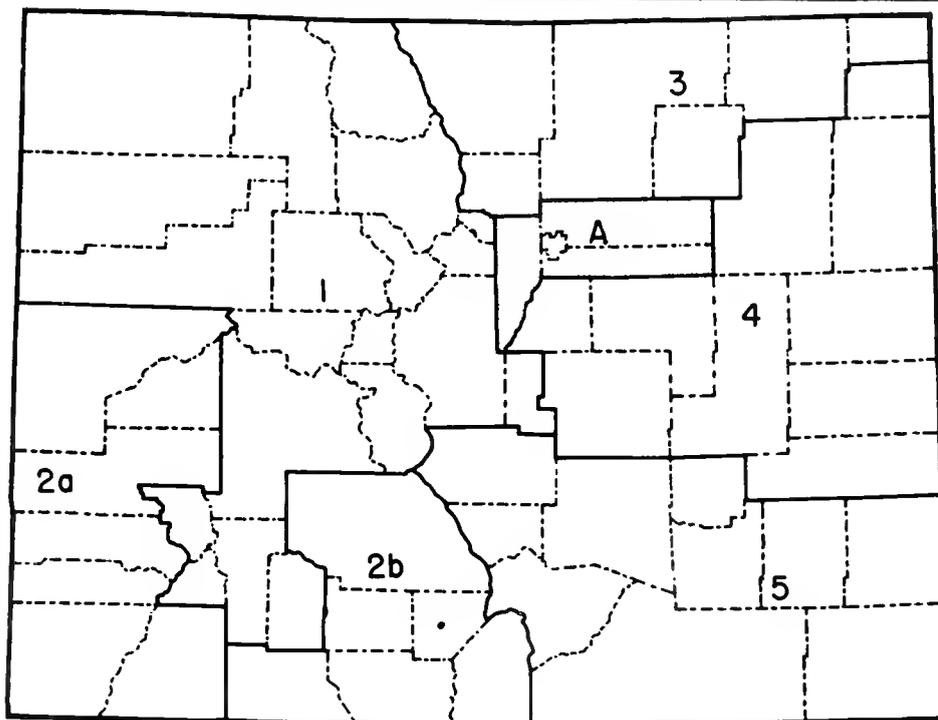
- 1 METROPOLITAN STATE ECONOMIC AREA
 - 2 NONMETROPOLITAN STATE ECONOMIC AREA
- 1 DOT = 2,000 TONS

Map No. A5U-396

Table 1.—USE OF FERTILIZER FOR SPECIFIED CROPS AND USE OF

State, economic area, and county	Fertilizer							
	All crops and all pasture fertilized		Hay and cropland pasture fertilized		Other pasture fertilized		All crops fertilized except hay	
	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)
1 Colorado, total.....	45,911	217	7,720	191	775	167	37,167	223
2 Area 1:								
3 Chaffee	28	173	26	171	2	200	...	...
4 Clear Creek	1	200	1	200	...	...	...	...
5 Eagle	155	218	117	209	...	...	38	252
6 Garfield	266	179	207	164	4	320	55	254
7 Gilpin .....	...	...	...	...	...	...	...	...
8 Grand	32	207	31	206	...	...	1	250
9 Gunnison	59	146	49	176	...	...	10	80
10 Hinsdale	8	114	6	120	...	...	2	100
11 Jackson	36	114	56	114	...	...	...	...
12 Lake	2	160	2	160	...	...	...	...
13 Mineral .....	...	...	...	...	...	...	...	...
14 Morfat	9	138	5	182	...	...	4	107
15 Ouray	90	147	74	143	11	129	5	500
16 Park	10	25	10	25	...	...	...	...
17 Pitkin	144	260	134	258	...	...	10	298
18 Rio Blanco	21	127	16	128	...	...	5	125
19 Routt	68	104	60	111	5	50	3	200
20 San Juan .....	...	...	...	...	...	...	...	...
21 Summit .....	...	...	...	...	...	...	...	...
22 Teller	4	94	4	94	...	...	...	...
23 Area 2a:								
24 Delta	1,331	243	567	194	54	379	712	297
25 Dolores	6	343	1	80	...	...	5	1,000
26 La Plata	288	164	173	166	53	178	61	144
27 Mesa	3,908	260	1,450	218	149	367	2,307	285
28 Montezuma	246	238	182	236	...	...	63	238
29 Montrose	1,840	253	846	253	28	137	966	260
30 San Miguel	81	218	26	267	10	80	45	301
31 Area 2b:								
32 Alamosa	665	343	9	200	5	500	651	346
33 Archuleta	35	211	14	182	2	160	19	250
34 Conejos	1,200	284	132	167	12	150	1,055	314
35 Costilla	808	300	17	126	11	29	1,780	359
36 Rio Grande	1,786	263	137	225	...	...	1,649	265
37 Saguache	479	198	38	131	...	...	440	207

2 0.05 percent or less.



COLORADO
TONS OF LIME

LEGEND

- 3 METROPOLITAN STATE ECONOMIC AREA
 - 2 NONMETROPOLITAN STATE ECONOMIC AREA
- 1 000 = 500 TONS

Map No. A54-397

LIME, BY ECONOMIC AREAS AND BY COUNTIES: CENSUS OF 1954—Continued

Fertilizer—Continued								Lime			
Specified crops fertilized		Specified crops fertilized		Fruits, vegetables, and potatoes fertilized		Other crops fertilized except hay		Acres limed	Percent of total cropland plus improved pasture	Quantity used per acre (pounds)	
Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)				
Corn 7,925	Corn 175	Sugar beets 13,146	Sugar beets 265	9,515	340	7,581	163	1,300	(2)	1,603	1
...	...	...	...	...	...	...	...	...	...	...	2
...	...	...	...	...	...	...	...	...	...	...	3
1	167	...	...	25	227	12	369	...	...	...	4
19	197	20	421	7	255	9	200	...	...	...	5
...	...	...	...	...	...	...	...	...	...	...	6
...	...	...	...	...	...	1	250	...	...	...	7
...	...	...	...	...	...	10	80	...	...	...	8
2	100	...	...	...	...	...	...	...	...	...	9
...	...	...	...	...	...	...	...	...	...	...	10
...	...	...	...	...	...	...	...	...	...	...	11
...	...	...	...	...	...	...	...	...	...	...	12
...	...	...	...	...	...	...	...	...	...	...	13
...	...	...	...	...	...	4	107	...	...	...	14
...	...	...	...	...	...	5	500	...	...	...	15
...	...	...	...	...	...	...	...	...	...	...	16
...	...	...	...	2	267	8	308	...	...	...	17
...	...	...	...	...	...	5	125	...	...	...	18
...	...	...	...	...	...	3	200	...	...	...	19
...	...	...	...	...	...	...	...	...	...	...	20
...	...	...	...	...	...	...	...	...	...	...	21
138	236	110	471	290	327	174	286	...	...	...	22
...	...	...	...	...	...	5	1,000	...	...	...	23
13	265	...	...	7	140	41	127	...	...	...	24
633	350	469	414	809	339	396	188	...	...	...	25
10	200	...	...	15	286	38	234	...	...	...	26
166	188	192	384	199	418	449	250	...	...	...	27
22	355	...	...	...	...	23	263	...	...	...	28
...	...	...	...	...	...	...	...	...	...	...	29
16	113	50	386	545	411	40	140	595	0.6	1,913	30
...	...	...	...	1	333	18	247	...	...	...	31
54	172	8	145	727	351	266	231	...	...	...	32
...	...	2	100	701	427	77	151	55	(2)	545	31
42	193	56	299	1,386	287	165	169	...	...	...	33
10	121	90	300	237	241	103	135	...	...	...	34

USE OF FERTILIZER AND LIME

Table 1.—USE OF FERTILIZER FOR SPECIFIED CROPS AND USE OF

State, economic area, and county	Fertilizer								
	All crops and all pasture fertilized		Hay and cropland pasture fertilized		Other pasture fertilized		All crops fertilized except hay		
	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	
Colorado—Continued									
Area 3:									
1	Boulder	1,070	207	159	201	20	107	875	213
2	Larimer	2,853	220	536	216	52	162	2,260	225
3	Logan	2,181	156	384	130	3	120	1,776	162
4	Morgan	4,419	221	273	198	36	152	4,095	221
5	Sedgwick	1,263	147	88	183	4	84	1,174	146
6	Weld	11,546	226	674	168	146	176	10,568	229
Area 4:									
7	Cheyenne	62	40	6	240	2	89	45	30
8	Douglas	42	148	19	187	8	119	15	132
9	Elbert	48	63	20	106	...	...	28	54
10	El Paso	220	69	33	159	29	84	158	60
11	Kiowa	130	57	13	127	...	...	115	53
12	Kit Carson	183	145	23	63	1	33	159	183
13	Lincoln	37	51	2	25	...	...	34	53
14	Phillips	308	59	17	72	5	111	285	58
15	Washington	384	169	26	133	2	154	357	173
16	Yuma	258	112	9	110	...	...	244	110
Metropolitan Area A:									
17	Adams	1,481	306	178	197	27	204	1,277	340
18	Arapahoe	575	412	96	170	18	150	460	648
19	Denver	352	2,235	...	...	...	...	352	2,235
20	Jefferson	178	218	39	123	...	...	139	278
Area 5:									
21	Baca	31	146	...	...	...	...	32	151
22	Bent	130	197	38	162	4	160	88	221
23	Crowley	447	300	15	312	...	...	430	304
24	Custer	108	332	107	332	1	400	...	...
25	Fremont	228	361	80	432	20	267	128	345
26	Huerfano	95	195	65	227	5	200	25	143
27	Las Animas	117	225	60	242	30	240	27	184
28	Otero	1,524	271	195	211	4	178	1,312	279
29	Prowers	1,237	313	151	189	12	218	1,073	346
30	Pueblo	778	213	24	282	...	...	750	210

Z 0.05 percent or less.

LIME, BY ECONOMIC AREAS AND BY COUNTIES: CENSUS OF 1954—Continued

Fertilizer—Continued								Lime		
Specified crops fertilized		Specified crops fertilized		Fruits, vegetables, and potatoes fertilized		Other crops fertilized except hay		Acres limed	Percent of total cropland plus improved pasture	Quantity used per acre (pounds)
Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)			
Corn	Corn	Sugar beets	Sugar beets							
339	181	198	239	115	377	223	202	...	...	...
810	199	835	267	50	227	565	213	...	...	...
424	113	1,163	215	1	80	188	94	...	...	...
1,039	172	2,235	304	222	221	599	146	...	...	...
430	178	397	182	66	187	281	91	...	...	...
2,041	210	5,084	242	1,728	316	1,715	171	5	(C)	4,000
12	41	...	...	...	...	33	27	...	...	...
5	179	...	...	...	...	10	116	...	...	...
10	102	...	...	...	...	18	43	...	...	...
131	70	...	...	...	...	27	36	50	(D)	200
19	51	36	436	8	211	52	31	...	...	...
105	198	...	...	...	...	54	160	...	...	...
4	32	...	...	...	...	30	58	...	...	...
125	57	...	...	...	...	160	58	...	...	...
173	147	150	318	...	...	34	81	...	...	...
141	125	...	...	3	286	100	93	...	...	...
176	170	156	312	830	692	115	113	240	(D)	1,125
72	264	...	...	9	1,200	379	882	...	...	...
...	...	...	...	32	346	320	4,923	40	1.0	3,250
16	139	10	444	56	241	57	438	15	(C)	667
1	154	1	167	...	...	30	150	...	...	...
8	174	28	295	3	750	49	193	...	...	...
52	209	290	308	60	533	28	253	...	...	...
...
66	289	...	...	45	545	17	281	...	...	...
10	114	...	...	...	...	15	171	...	...	...
6	171	15	195	...	...	6	171	...	...	...
308	213	552	329	221	337	231	248	...	...	...
186	279	534	377	50	1,250	303	308	...	...	...
90	174	465	254	105	243	90	114	...	...	...

CONNECTICUT
TONS OF FERTILIZER

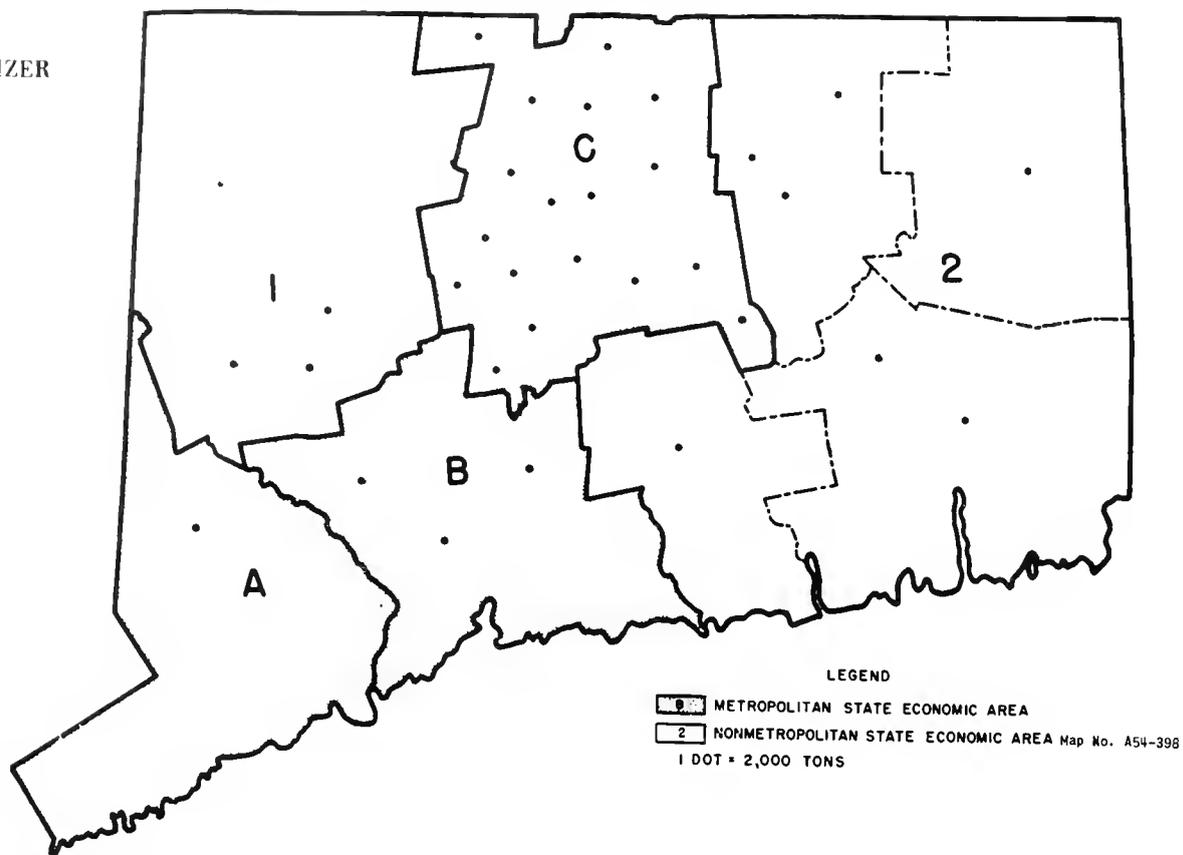
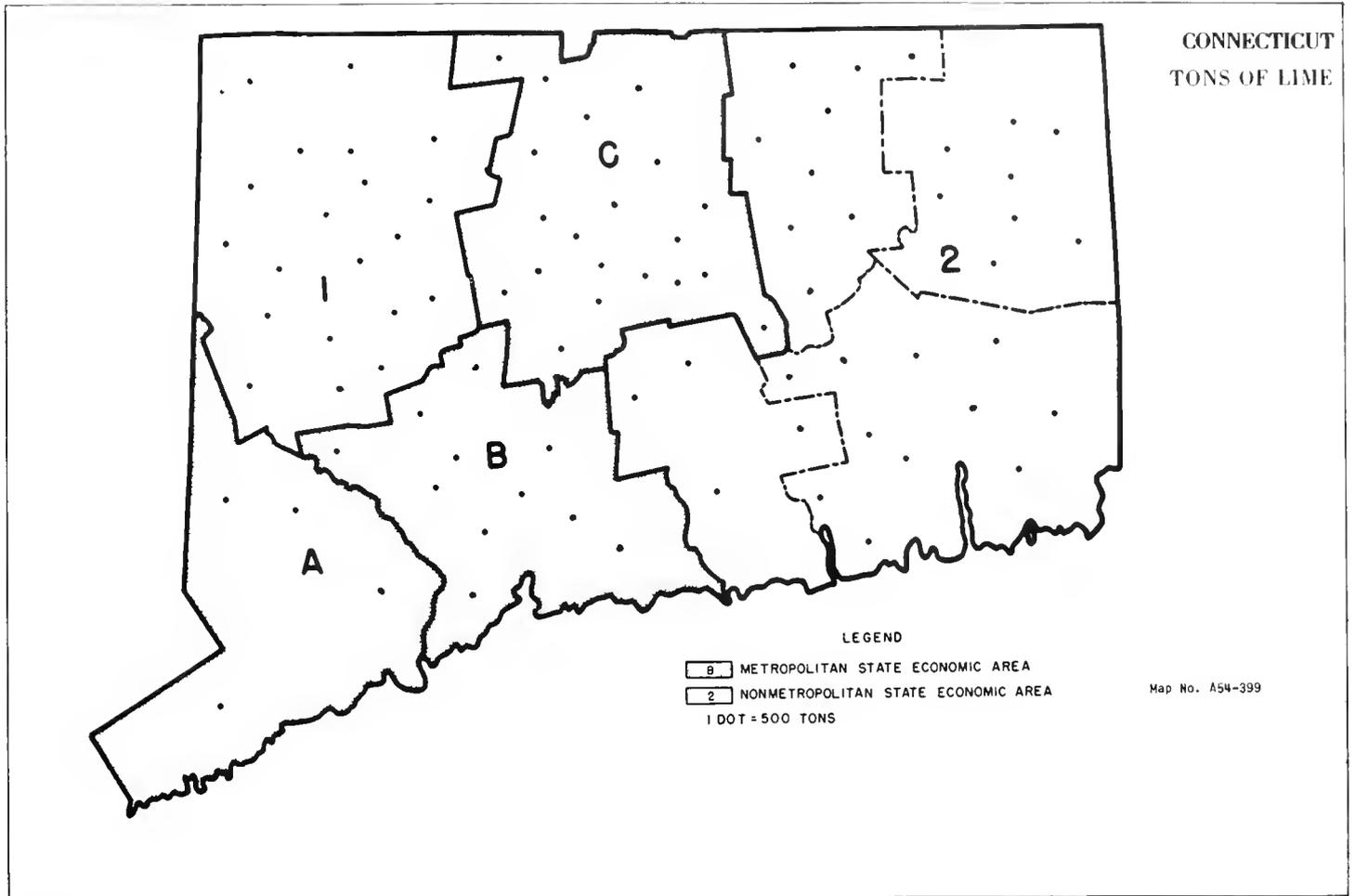


Table 1.—USE OF FERTILIZER FOR SPECIFIED CROPS AND USE OF

State, economic area, and county	Fertilizer							
	All crops and all pasture fertilized		Hay and cropland pasture fertilized		Other pasture fertilized		All crops fertilized except hay	
	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)
1 Connecticut, total	66,829	883	16,947	453	2,157	475	47,228	1,389
2 Area 1: Litchfield	6,789	439	4,430	415	636	428	1,632	474
3 Metropolitan Area A: Fairfield	1,698	422	762	353	66	406	854	522
4 Metropolitan Area B: New Haven	6,932	645	2,320	423	130	468	4,475	880
5 Metropolitan Area C: Hartford	36,721	1,645	2,949	499	288	430	33,164	2,103
6 Area 2: Middlesex	1,342	493	750	534	88	275	504	507
7 New London	4,676	619	2,494	514	396	710	1,757	808
8 Tolland	5,730	789	1,762	464	269	526	3,667	1,202
9 Windham	2,941	528	1,480	466	284	512	1,175	633



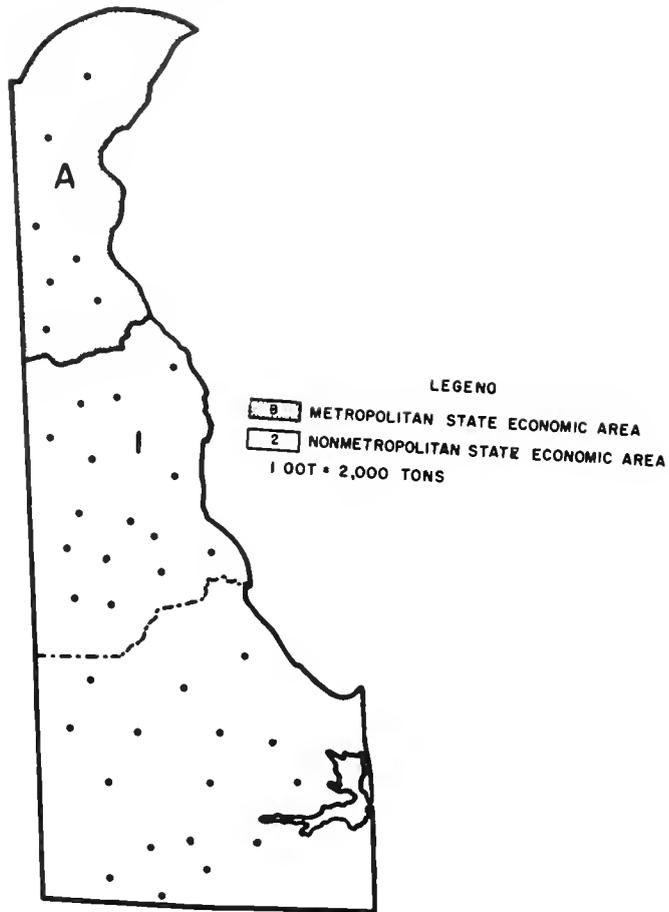
LIME, BY ECONOMIC AREAS AND BY COUNTIES: CENSUS OF 1954—Continued

Fertilizer—Continued								Lime			
Specified crops fertilized		Specified crops fertilized		Fruits, vegetables, and potatoes fertilized		Other crops fertilized except hay		Acres limed	Percent of total cropland plus improved pasture	Quantity used per acre (pounds)	
Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)				
<i>Corn</i>	<i>Corn</i>	<i>Tobacco</i>	<i>Tobacco</i>								
7,291	555	24,726	3,450	13,694	1,184	1,517	710	39,609	8.3	2,157	1
1,264	447	80	5,333	90	652	198	434	8,077	8.1	2,417	2
454	559	...	...	242	371	158	916	2,295	5.6	1,908	3
1,001	534	...	...	3,266	1,117	208	723	6,020	11.4	1,842	4
2,021	652	23,358	3,530	7,211	1,335	574	880	11,055	11.5	1,765	5
240	466	...	...	142	444	122	763	1,455	4.9	2,653	6
746	628	...	...	927	1,046	84	840	4,006	6.2	2,686	7
727	547	1,288	2,407	1,528	1,542	124	636	3,951	9.5	2,372	8
838	563	...	...	288	1,113	49	439	2,747	5.3	2,663	9

USE OF FERTILIZER AND LIME

DELAWARE

TONS OF FERTILIZER

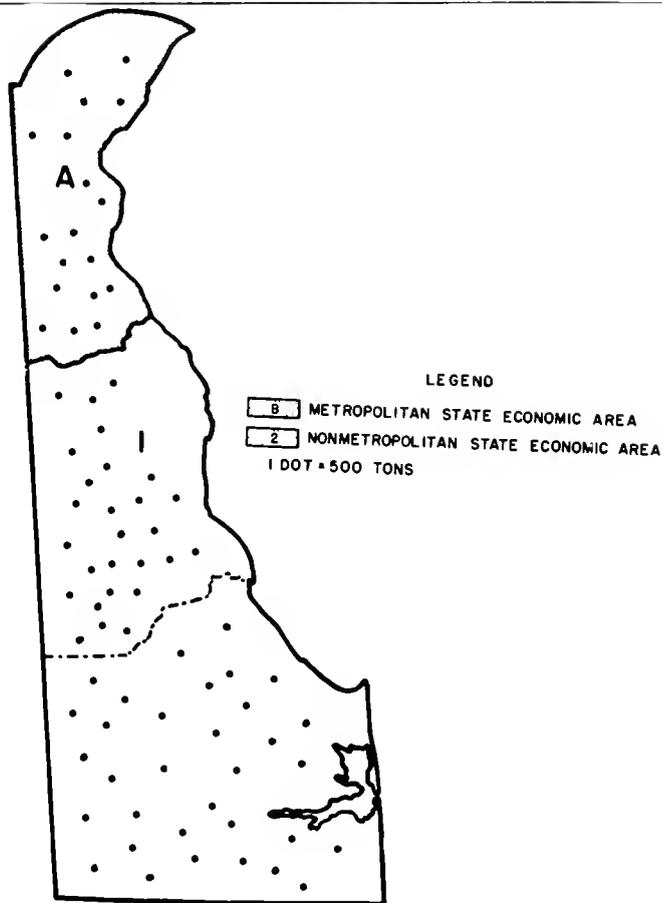


Map No. A54-400

Table 1.—USE OF FERTILIZER FOR SPECIFIED CROPS AND USE OF

State, economic area, and county	Fertilizer							
	All crops and all pasture fertilized		Hay and cropland pasture fertilized		Other pasture fertilized		All crops fertilized except hay	
	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)
1 Delaware, total	75,144	476	5,687	367	596	272	68,207	487
2 Area 1:								
3 Kent	29,539	548	1,751	341	40	696	27,460	562
3 Sussex	32,472	445	2,080	404	158	331	30,005	446
4 Metropolitan Area A:								
4 New Castle	13,133	423	1,856	358	398	240	10,742	448

DELAWARE
TONS OF LIME



Map No. A54-401

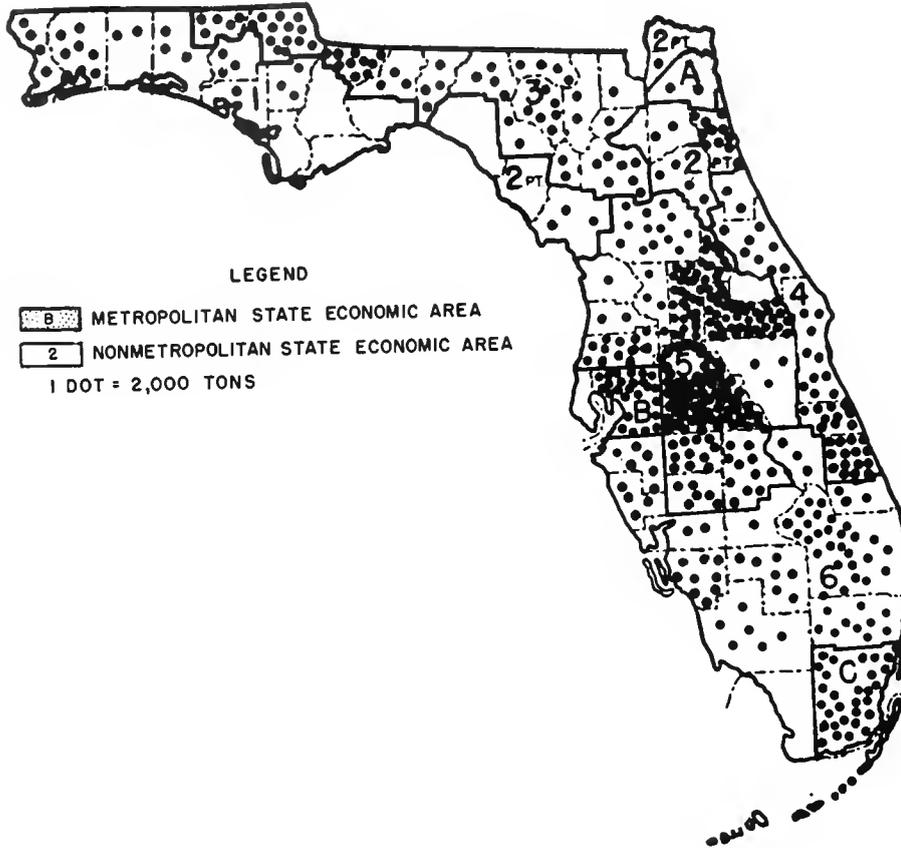
LIME, BY ECONOMIC AREAS AND BY COUNTIES: CENSUS OF 1954—Continued

Fertilizer—Continued								Lime		
Specified crops fertilized		Specified crops fertilized		Fruits, vegetables, and potatoes fertilized		Other crops fertilized except hay		Acres limed	Percent of total cropland plus improved pasture	Quantity used per acre (pounds)
Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)			
<i>Corn</i>	<i>Corn</i>	<i>Wheat</i>	<i>Wheat</i>							
29,722	400	5,817	392	19,015	1,029	13,653	420	48,761	9.4	1,595
8,447	384	2,584	392	10,186	1,236	6,243	517	15,262	8.5	1,782
16,403	406	1,335	442	6,463	859	5,814	357	24,029	10.4	1,372
4,872	411	1,898	365	2,366	870	1,606	382	9,470	8.5	1,861

USE OF FERTILIZER AND LIME

FLORIDA

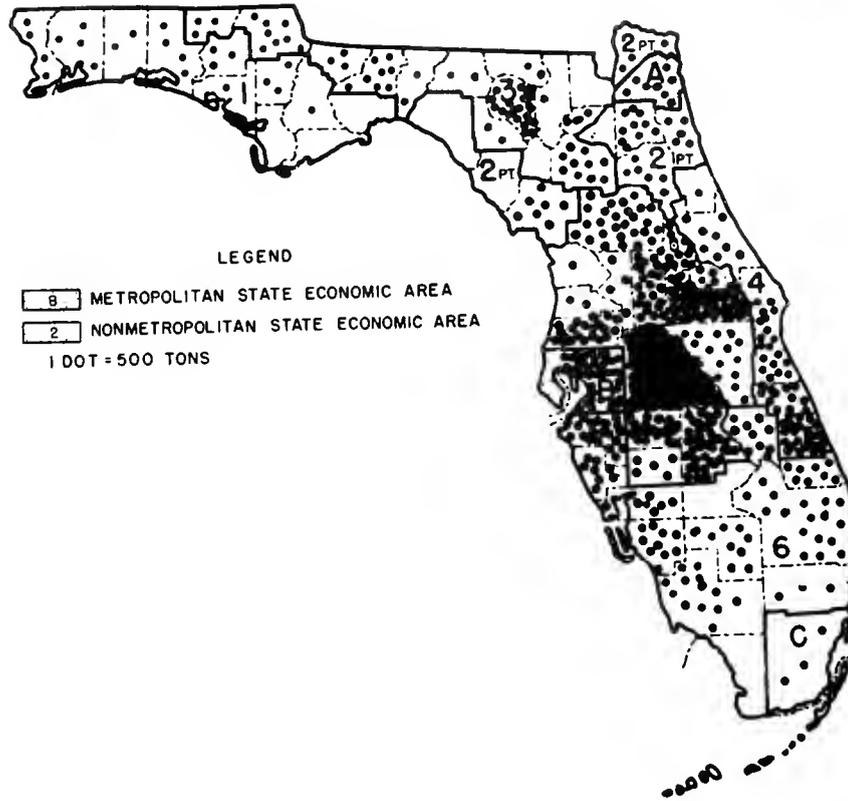
TONS OF FERTILIZER



Map No. A54-402

Table 1.—USE OF FERTILIZER FOR SPECIFIED CROPS AND USE OF

State, economic area, and county	Fertilizer							
	All crops and all pasture fertilized		Hay and cropland pasture fertilized		Other pasture fertilized		All crops fertilized except hay	
	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)
1 Florida, total	1,057,932	912	42,843	383	94,957	330	918,101	1,208
Area 1:								
2 Bay	1,604	442	619	686	113	365	873	361
3 Calhoun	6,684	464	931	520	763	396	4,970	466
4 Escambia	8,768	561	762	560	818	463	7,172	573
5 Franklin	69	395	50	694	15	176	5	286
6 Gulf	358	365	62	248	214	455	84	322
7 Liberty	440	296	20	250	158	239	260	347
8 Okaloosa	4,369	467	304	349	672	327	3,410	536
9 Santa Rosa	12,031	493	1,089	558	907	367	9,972	506
10 Wakulla	520	372	87	409	67	362	366	366
11 Walton	6,655	389	926	450	596	304	5,122	396
12 Washington	5,114	404	645	489	669	361	3,859	410
Area 2:								
13 Bradford	3,298	519	125	347	954	400	2,222	616
14 Clay	4,457	830	1,132	516	1,486	738	1,837	1,577
15 Dixie	684	307	310	215	38	172	336	598
16 Levy	5,065	461	235	329	1,122	293	3,693	564
17 Nassau	1,702	496	210	302	1,278	543	216	581
18 Putnam	7,800	1,082	600	373	474	361	6,746	1,583
19 St. Johns	21,292	2,004	242	617	512	444	20,632	2,281
20 Taylor	669	368	44	174	72	388	549	400
Metropolitan Area A:								
21 Duval	3,024	555	762	374	1,781	613	481	941
Area 3:								
22 Alachua	13,717	598	1,324	425	2,407	379	9,946	728
23 Baker	1,672	478	48	321	318	415	1,302	506
24 Columbia	3,919	448	247	313	363	298	3,286	478
25 Gadsden	20,150	747	1,296	454	1,221	420	17,608	834
26 Gilchrist	3,782	674	208	454	236	293	3,323	765
27 Hamilton	7,700	440	126	363	796	413	6,780	452
28 Holmes	10,163	380	426	402	1,407	396	8,337	380
29 Jackson	26,019	371	1,920	394	2,267	362	21,529	369
30 Jefferson	8,488	346	458	338	873	229	7,136	364
31 Lafayette	4,086	411	260	340	524	297	3,301	437
32 Leon	5,102	395	462	364	1,380	517	3,300	376
33 Madison	8,690	351	554	237	558	344	7,531	362
34 Suwannee	11,036	448	603	234	781	221	9,512	509
35 Union	2,058	591	374	489	376	417	1,308	721



Map No. A54-403

LIME, BY ECONOMIC AREAS AND BY COUNTIES: CENSUS OF 1954—Continued

Fertilizer—Continued								Lime			
Specified crops fertilized		Specified crops fertilized		Fruits, vegetables, and potatoes fertilized		Other crops fertilized except hay		Acres limed	Percent of total cropland plus improved pasture	Quantity used per acre (pounds)	
Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)				
Corn	Corn	Cotton	Cotton								
60,664	325	10,176	617	770,627	1,702	76,634	738	461,768	10.4	1,578	1
63	560	...	...	780	341	30	2,308	371	2.8	2,000	2
2,189	383	136	568	1,956	634	689	424	1,708	4.2	1,786	3
1,704	506	496	599	1,304	1,302	3,668	501	2,117	5.3	1,683	4
2	400	...	...	2	200	1	400	...	...	...	5
52	224	...	...	20	952	12	1,600	525	17.2	571	6
192	301	...	...	32	753	36	533	420	5.3	1,238	7
2,099	469	338	716	117	867	856	668	1,318	3.8	1,737	8
4,745	439	1,992	688	473	493	2,762	546	2,405	4.2	1,622	9
290	349	...	...	30	706	46	361	...	...	...	10
2,868	335	995	709	531	337	728	514	3,160	5.9	1,289	11
2,219	334	320	736	823	649	497	462	1,902	4.3	1,811	12
918	585	...	...	1,062	571	242	1,383	3,159	11.2	1,984	13
172	538	...	...	1,646	1,990	19	1,027	3,728	16.9	2,742	14
122	381	...	...	74	569	140	1,256	62	0.4	1,323	15
507	294	...	...	2,672	813	514	334	3,755	4.2	1,834	16
158	486	...	...	12	1,200	46	1,260	825	7.6	3,469	17
250	422	...	...	6,396	1,788	100	1,111	2,933	8.9	1,994	18
12	471	...	...	20,308	2,286	312	2,261	4,211	15.1	1,275	19
322	265	7	500	18	720	202	1,656	...	...	...	20
120	723	...	...	192	1,634	169	743	7,330	33.7	1,149	21
1,248	266	66	1,065	6,626	943	2,006	1,069	5,524	3.0	1,874	22
374	257	...	...	72	486	856	879	274	1.8	1,182	23
824	215	60	561	792	531	1,610	1,122	474	0.5	1,418	24
6,780	406	96	893	1,286	1,757	9,446	2,637	2,143	2.9	1,288	25
334	374	...	...	2,637	861	372	906	586	1.0	430	26
2,664	237	461	591	930	803	2,725	1,496	961	1.4	2,166	27
4,908	320	1,657	660	599	440	1,173	437	1,790	2.5	1,649	28
9,803	299	1,972	551	1,760	613	7,994	420	5,773	2.6	1,409	29
3,612	345	292	370	1,029	642	2,203	327	2,550	2.5	965	30
946	208	70	515	868	766	1,417	822	2,263	4.5	828	31
1,832	305	229	526	796	505	443	531	7,511	10.0	1,075	32
3,496	229	726	571	979	550	2,330	920	1,006	1.0	1,841	33
2,191	229	151	521	2,448	628	4,722	954	1,464	0.8	1,672	34
396	389	12	889	478	997	422	1,395	2,155	8.4	1,548	35

USE OF FERTILIZER AND LIME

Table 1.-USE OF FERTILIZER FOR SPECIFIED CROPS AND USE OF

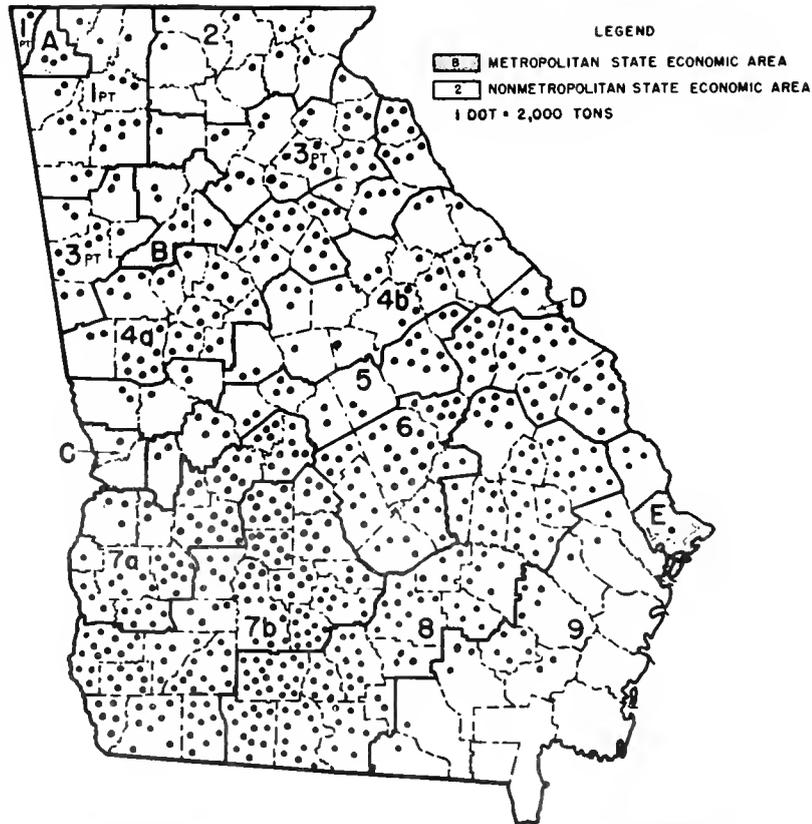
	State, economic area, and county	Fertilizer						All crops fertilized except hay	
		All crops and all pasture fertilized		Hay and cropland pasture fertilized		Other pasture fertilized		Total quantity used (tons)	Quantity used per acre (pounds)
		Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)		
Florida—Continued									
Area 4:									
1	Brevard	16,808	845	367	209	4,920	441	11,511	1,652
2	Flagler	4,581	1,263	302	514	348	443	3,930	1,743
3	Indian River	19,024	1,045	458	179	930	327	17,646	1,379
4	St. Lucie	30,812	874	370	130	1,722	121	28,765	1,557
5	Volusia	16,509	1,182	471	327	1,656	311	14,348	1,968
Area 5:									
6	Citrus	1,791	504	1,040	658	286	233	465	627
7	D. Su.	11,492	825	245	362	1,478	252	9,719	1,382
8	Hardee	21,777	1,302	394	290	1,546	398	20,063	1,748
9	Hernando	4,712	882	424	321	247	244	4,041	1,319
10	Highlands	22,401	946	397	391	2,488	214	19,471	1,756
11	Lake	80,355	1,372	778	291	4,295	575	74,831	1,541
12	Marion	25,211	795	2,124	433	3,754	354	19,330	1,192
13	Orange	79,078	1,441	2,372	438	2,702	346	74,074	1,772
14	Osceola	6,910	583	122	290	3,184	357	3,601	1,423
15	Pasco	24,209	979	984	376	2,380	232	20,856	1,746
16	Polk	155,641	1,595	3,555	494	6,542	352	145,344	2,039
17	Seminole	22,999	1,921	385	546	850	325	21,804	2,485
18	Sumter	8,171	946	215	377	1,150	363	6,798	1,392
Metropolitan Area B:									
19	Hillsborough	50,629	1,141	1,574	426	4,918	327	44,067	1,687
20	Pinellas	12,609	1,428	302	298	416	470	11,893	1,716
Area 6:									
21	Broward	20,777	1,005	1,800	437	2,145	393	16,832	1,516
22	Charlotte	3,788	380	166	74	1,372	203	2,251	2,292
23	Collier	12,298	1,469	10	400	466	218	11,692	1,881
24	Glades	2,474	375	110	772	1,374	305	990	503
25	Hendry	13,799	472	151	179	2,615	212	11,033	688
26	Lee	18,382	1,748	784	437	974	439	16,619	2,551
27	Manatee	12,968	1,133	706	431	1,207	360	11,035	1,715
28	Martin	5,746	938	660	418	716	295	4,360	2,153
29	Monroe .....	...	...	...	...	...	...	...	...
30	Okeechobee	6,798	758	10	100	2,850	395	3,937	2,375
31	Palm Beach	55,882	924	2,213	323	5,530	309	47,270	1,315
32	Sarasota	7,439	858	485	343	1,606	408	5,326	1,603
Metropolitan Area C:									
33	Dade	60,677	1,766	1,408	395	2,074	271	57,195	2,474

USE OF FERTILIZER AND LIME

LIME, BY ECONOMIC AREAS AND BY COUNTIES: CENSUS OF 1954—Continued

Fertilizer—Continued								Lime			
Specified crops fertilized		Specified crops fertilized		Fruits, vegetables, and potatoes fertilized		Other crops fertilized except hay		Acres limed	Percent of total cropland plus improved pasture	Quantity used per acre (pounds)	
Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)				
... ... 48 ... 4	... ... 960 ... 800	... ... ... ... ...	... ... ... ... ...	10,969 3,930 15,445 28,576 12,202	1,665 1,743 1,590 1,577 1,783	542 ... 2,153 804 2,242	1,428 ... 710 804 4,819	10,129 761 7,536 22,812 4,356	12.2 7.9 12.4 22.5 10.9	1,885 1,866 1,563 1,052 1,833	1 2 3 4 5
10 ... 42 11 ... 32 748 94 50 27 60 ... 108	200 ... 933 338 ... 276 358 389 465 600 453 ... 307	... ... ... ... ... 58 42	... ... ... ... ... 748 700	448 9,546 20,021 3,940 18,875 72,939 17,753 72,750 3,546 20,501 144,806 21,174 6,612	666 1,378 1,751 1,415 1,746 1,522 1,397 1,780 1,466 1,788 2,040 2,569 1,496	7 173 ... 90 596 1,802 829 1,230 5 328 478 630 36	359 1,640 ... 366 2,129 4,095 584 1,779 1,000 754 2,656 1,182 692	305 4,144 11,583 2,022 27,997 25,902 13,875 36,780 11,537 15,579 84,406 4,133 2,306	1.6 7.8 16.8 7.1 41.7 17.6 6.5 24.6 28.8 16.2 29.5 12.3 3.4	1,679 1,216 1,917 1,227 1,279 1,376 1,968 1,566 1,241 1,331 1,884 1,596 1,812	6 7 8 9 10 11 12 13 14 15 16 17 18
90 10 57 5 2 32 752 20 50	514 250 253 2,000 800 474 508 308 667	... ... ... ... ... ... ... ... ... ... ... ... ... ... ...	... ... ... ... ... ... ... ... ... ... ... ... ... ... ...	43,157 11,520 16,046 1,921 11,677 410 6,758 14,142 8,911 4,258 ... 3,937 43,586 5,082 55,461	1,712 1,725 1,559 2,203 1,889 785 2,266 2,818 1,683 2,215 ... 2,375 1,547 1,661 2,474	820 373 786 330 15 570 4,218 2,472 2,122 70 2,932 224 1,684	1,101 1,492 973 3,000 429 406 329 1,655 1,863 2,000 465 1,134 2,677	23,155 4,961 2,217 3,668 6,165 ... 4,608 6,971 8,562 13,077 ... 4,890 13,296 4,852 4,780	14.8 21.5 3.6 16.4 23.3 ... 4.9 17.8 14.9 62.9 ... 6.5 7.1 13.9 4.8	1,749 1,729 1,539 1,836 2,145 ... 2,027 1,410 2,214 628 ... 2,034 1,309 1,676 634	19 20 21 22 23 24 25 26 27 28 29 30 31 32 33

GEORGIA
TONS OF FERTILIZER

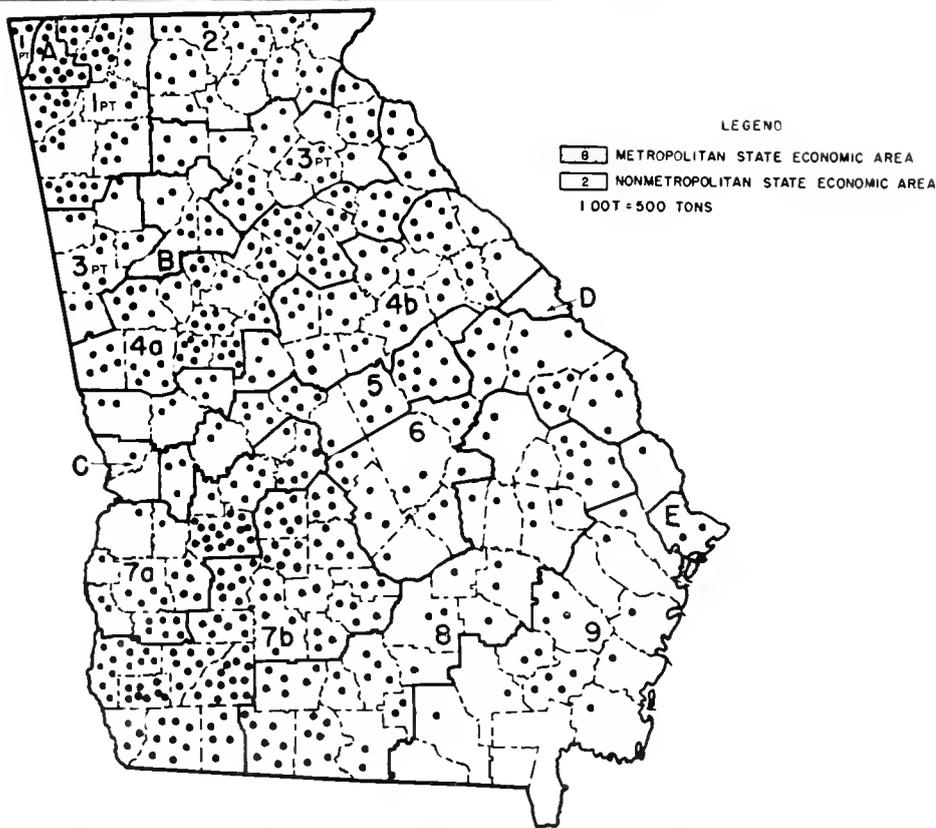


Map No. A54-404

Table 1.-USE OF FERTILIZER FOR SPECIFIED CROPS AND USE OF

State, economic area, and county	Fertilizer							
	All crops and all pasture fertilized		Hay and cropland pasture fertilized		Other pasture fertilized		All crops fertilized except hay	
	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)
1 Georgia, total	1,241,598	398	125,442	352	83,588	325	1,027,709	413
2 Area 1:								
3 Bartow	10,437	473	1,582	405	814	370	7,984	496
4 Chattooga	2,406	419	982	453	213	324	1,207	422
5 Dade	4,544	402	828	483	432	334	3,281	394
6 Floyd	1,158	377	152	256	85	266	906	422
7 Gordon	7,514	374	1,871	326	916	313	4,718	413
8 Murray	5,477	381	356	324	238	314	4,848	390
9 Folk	2,633	296	168	249	85	295	2,358	299
10 Whitfield	4,597	368	812	289	378	216	3,363	422
11 Metropolitan Area A:								
Walker	2,972	315	626	355	337	235	2,011	326
12 Area 2:								
13 Dawson	865	330	55	336	126	278	686	342
14 Fannin	1,272	358	215	276	104	293	942	395
15 Gilmer	1,793	394	84	303	338	306	1,367	426
16 Habersham	2,618	385	376	381	420	339	1,804	395
17 Lumpkin	1,382	406	48	315	263	378	1,043	412
18 Pickens	906	342	100	348	180	291	622	367
19 Rabun	1,476	440	285	421	335	325	834	510
20 Towns	1,243	379	348	383	108	357	768	378
21 Union	3,560	421	427	378	324	437	1,810	440
White	1,541	408	63	504	316	376	1,164	413
22 Area 3:								
23 Banks	3,324	419	352	499	132	140	2,818	449
24 Barrow	4,452	399	174	303	282	226	3,920	426
25 Carroll	10,814	404	1,076	338	610	252	9,110	435
26 Cherokee	2,226	339	328	310	252	293	1,616	349
27 Douglas	2,361	337	388	369	134	129	1,827	369
28 Forsyth	3,130	314	457	308	188	302	2,428	317
29 Franklin	7,529	406	311	285	627	339	6,544	421
30 Gwinnett	6,422	365	1,155	373	635	334	4,580	362
31 Hall	3,690	358	302	311	926	352	2,412	362
Haralson	4,171	448	525	517	262	273	3,398	464
32 Heard	3,824	354	672	229	35	152	3,094	409
33 Jackson	4,164	433	292	220	394	260	7,464	466
34 Madison	8,257	413	384	279	308	260	7,427	428
35 Paulding	3,838	437	692	372	407	407	2,943	453
36 Stephens	1,805	327	408	278	256	187	1,127	422

GEORGIA
TONS OF LIME



Map No. A54-405

LIME, BY ECONOMIC AREAS AND BY COUNTIES: CENSUS OF 1954—Continued

Fertilizer—Continued								Lime			
Specified crops fertilized		Specified crops fertilized		Fruits, vegetables, and potatoes fertilized		Other crops fertilized except hay		Acres limed	Percent of total cropland plus improved pasture	Quantity used per acre (pounds)	
Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)				
421,779	313	274,972	564	84,047	665	246,911	466	364,890	3.8	1,537	1
2,123	324	5,168	663	144	684	542	354	3,550	4.3	1,800	2
611	311	294	551	194	953	108	697	2,335	7.4	1,636	3
1,886	344	1,196	514	84	480	115	341	2,871	5.8	2,716	4
546	335	95	434	248	870	17	425	509	3.1	4,621	5
2,278	375	1,923	486	126	609	391	334	2,960	3.5	1,622	6
2,193	312	2,587	497	29	483	39	289	1,020	1.5	2,647	7
1,166	237	84	414	148	502	200	321	1,098	3.0	3,129	8
1,500	353	1,491	535	88	838	284	341	2,510	4.7	3,088	9
1,285	316	331	408	62	496	333	283	2,598	5.3	3,233	10
1,464	281	568	429	140	551	367	390	4,254	6.3	2,640	11
549	329	52	743	58	350	27	263	325	2.3	1,969	12
730	362	...	...	206	580	6	400	1,200	7.1	2,575	13
1,125	414	...	...	228	495	14	406	2,035	11.7	2,260	14
1,326	382	84	336	236	497	158	427	1,611	5.4	2,375	15
752	363	16	376	245	845	30	226	276	1.9	2,572	16
489	349	82	405	28	747	23	426	425	3.3	2,871	17
694	471	...	...	138	865	2	800	1,045	9.9	1,301	18
596	361	...	...	48	1,297	124	361	605	5.4	2,744	19
1,190	394	...	...	366	747	254	423	2,286	13.0	1,786	20
868	368	248	657	16	582	32	640	905	5.0	2,376	21
1,340	382	980	628	142	1,033	356	330	621	1.8	2,048	22
1,163	313	1,709	570	62	577	986	413	2,775	5.9	1,290	23
4,737	355	3,643	589	322	736	408	421	2,535	2.4	1,538	24
1,176	300	234	596	122	697	84	579	1,752	5.1	2,011	25
999	339	372	526	346	407	110	246	1,805	6.2	850	26
1,418	277	500	489	258	437	252	272	752	1.6	1,902	27
2,012	378	2,868	673	234	452	1,430	263	2,163	3.1	1,850	28
2,258	328	1,400	505	250	462	672	272	4,877	6.1	1,538	29
1,461	323	623	574	50	328	278	313	2,455	4.5	1,662	30
1,610	385	827	608	437	693	524	454	1,650	4.7	1,194	31
1,474	300	1,152	602	400	800	68	288	1,920	4.8	1,208	32
1,748	371	3,472	641	366	394	1,878	380	3,571	4.4	1,516	33
1,632	386	3,648	662	83	544	2,064	277	560	0.8	1,161	34
1,384	356	931	555	574	735	54	360	970	2.5	1,979	35
638	338	268	642	74	871	147	520	810	3.8	1,951	36

USE OF FERTILIZER AND LIME

Table 1.—USE OF FERTILIZER FOR SPECIFIED CROPS AND USE OF

	State, economic area, and county	Fertilizer							
		All crops and all pasture fertilized		Hay and cropland pasture fertilized		Other pasture fertilized		All crops fertilized except hay	
		Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)
Georgia—Continued									
Metropolitan Area B:									
1	Cobb.....	3,260	332	718	253	270	268	2,184	372
2	De Kalb.....	2,200	592	817	516	60	179	1,312	743
3	Fulton.....	5,029	429	1,308	464	691	356	3,042	443
Area 4a:									
4	Butts.....	3,458	413	362	416	204	469	2,887	405
5	Clarke.....	2,880	418	397	340	687	413	1,810	445
6	Clayton.....	2,464	405	795	446	309	266	1,362	431
7	Coweta.....	7,108	369	1,525	328	681	286	4,797	400
8	Elbert.....	8,194	418	912	308	542	215	6,592	474
9	Fayette.....	4,362	431	606	318	292	489	3,474	466
10	Hart.....	10,482	418	332	389	302	234	9,752	432
11	Henry.....	9,638	386	1,411	241	393	191	7,809	455
12	Lamar.....	4,374	363	722	341	1,002	289	2,652	412
13	Meriwether.....	13,302	462	1,330	327	686	290	11,271	500
14	Morgan.....	12,357	523	2,414	433	2,170	499	7,673	561
15	Newton.....	6,748	404	1,516	402	1,084	299	4,153	447
16	Oconee.....	6,664	425	926	459	510	361	5,170	424
17	Oglethorpe.....	7,295	341	1,114	306	672	386	5,549	353
18	Pike.....	8,822	440	1,547	420	1,174	312	6,098	483
19	Rockdale.....	2,450	319	431	160	200	465	1,819	398
20	Spalding.....	5,653	374	1,189	351	1,096	321	3,284	400
21	Troup.....	3,380	323	564	346	744	262	1,941	346
22	Walton.....	12,342	459	2,245	441	467	284	9,617	479
Area 4b:									
23	Baldwin.....	2,747	302	423	183	151	335	2,175	343
24	Columbia.....	2,003	288	478	274	122	256	1,384	294
25	Greene.....	3,174	414	736	422	368	353	2,070	418
26	Hancock.....	5,172	321	582	370	686	402	3,878	304
27	Harris.....	3,482	379	782	327	676	230	2,017	526
28	Jasper.....	5,021	447	1,406	482	436	374	3,130	437
29	Jones.....	2,260	365	358	372	716	325	1,185	389
30	Lincoln.....	1,924	263	384	206	225	202	1,323	302
31	McDuffie.....	5,125	344	1,098	288	458	365	3,556	366
32	Monroe.....	3,148	342	1,256	386	502	225	1,391	367
33	Putnam.....	1,914	335	441	416	478	227	969	375
34	Talbot.....	2,780	308	462	336	520	183	1,800	370
35	Taliaferro.....	1,244	337	320	389	198	342	725	313
36	Upson.....	3,694	328	1,222	265	454	351	2,005	378
37	Warren.....	6,102	355	879	304	16	291	5,176	366
38	Wilkes.....	4,384	327	1,198	347	567	240	2,573	339
Area 5:									
39	Bibb.....	5,098	409	1,062	381	619	265	3,405	454
40	Crawford.....	4,426	419	538	304	116	386	3,772	448
41	Glascokk.....	3,928	381	122	321	32	533	3,772	382
42	Marion.....	4,807	307	527	361	622	282	3,640	307
43	Taylor.....	8,402	396	496	355	294	241	7,644	413
44	Twiggs.....	3,344	280	128	227	143	213	3,081	293
45	Washington.....	15,803	340	1,666	303	444	358	13,679	349
46	Wilkinson.....	3,250	287	88	306	143	331	3,028	284
Metropolitan Area C:									
47	Chattahoochee.....	132	220	33	264	...	...	100	212
48	Muscogee.....	1,598	411	1,055	499	130	202	411	370
Metropolitan Area D:									
49	Richmond.....	2,018	244	418	161	134	228	1,465	292
Area 6:									
50	Bleckley.....	8,538	330	636	250	571	284	7,316	342
51	Burke.....	23,445	352	1,954	339	659	444	20,547	349
52	Dodge.....	12,265	314	882	270	947	249	10,305	324
53	Jefferson.....	19,748	386	2,254	361	582	356	16,912	390
54	Jenkins.....	11,168	367	1,510	393	766	408	8,754	358
55	Johnson.....	11,370	341	889	397	253	192	9,958	333
56	Laurens.....	23,082	283	1,972	284	808	234	20,123	283
57	Screven.....	19,634	336	2,527	305	1,469	349	15,573	344
58	Telfair.....	8,904	347	1,269	326	757	312	6,712	349
59	Treutlen.....	4,458	301	272	239	226	193	3,942	314
60	Wheeler.....	7,012	338	880	246	150	315	5,964	359
Area 7a:									
61	Calhoun.....	11,880	381	1,616	379	1,105	287	9,096	396
62	Clay.....	6,939	358	259	366	506	384	6,144	356
63	Houston.....	13,144	391	575	425	1,391	344	11,132	399
64	Macon.....	14,700	377	1,524	281	1,552	412	11,564	392
65	Peach.....	8,566	437	376	209	76	211	8,115	468
66	Quitman.....	1,898	335	40	320	30	462	1,832	340
67	Randolph.....	10,459	365	990	349	853	465	8,566	356
68	Schley.....	4,928	366	268	443	66	372	4,584	373
69	Stewart.....	5,786	331	690	570	353	353	4,518	337
70	Sumter.....	21,688	411	2,285	371	2,144	280	17,260	445
71	Terrell.....	17,665	440	1,430	476	1,206	397	15,043	444
72	Webster.....	4,118	311	98	340	478	296	3,512	312

USE OF FERTILIZER AND LIME

LIME, BY ECONOMIC AREAS AND BY COUNTIES: CENSUS OF 1954—Continued

Fertilizer—Continued								Lime		
Specified crops fertilized		Specified crops fertilized		Fruits, vegetables, and potatoes fertilized		Other crops fertilized except hay		Acres limed	Percent of total cropland plus improved pasture	Quantity used per acre (pounds)
Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)			
<i>Corn</i>	<i>Corn</i>	<i>Cotton</i>	<i>Cotton</i>							
1,320	323	234	444	416	555	214	420	1,565	3.2	1,450
470	467	48	427	734	1,380	60	522	1,790	6.9	1,508
1,630	384	670	618	160	496	582	480	2,818	4.5	1,160
632	344	1,317	541	140	525	798	309	1,555	4.6	1,781
356	326	522	597	32	640	900	440	1,865	6.7	1,825
604	383	411	585	155	549	192	321	2,415	8.4	1,663
2,096	328	1,798	524	311	450	592	399	3,968	5.1	1,405
1,274	392	3,594	693	80	438	1,644	312	2,050	3.2	1,702
1,224	347	1,872	635	90	703	288	339	2,230	4.6	1,099
1,768	377	4,504	656	174	544	3,306	309	1,210	1.6	2,066
1,982	383	3,504	598	814	590	1,509	318	4,897	6.2	670
850	335	836	601	340	337	626	417	2,600	7.0	1,808
3,289	358	5,030	659	1,752	641	1,200	406	2,745	3.3	1,672
1,434	361	5,307	674	252	789	680	449	5,325	6.8	1,510
1,232	354	2,320	540	224	943	377	293	3,334	5.6	1,399
936	263	2,774	623	84	644	1,376	339	1,525	3.0	2,033
1,300	282	2,449	567	94	612	1,706	258	5,234	7.7	1,305
1,388	343	2,299	597	676	697	1,735	464	3,205	4.9	1,861
731	338	820	495	42	454	226	341	835	3.3	1,653
628	352	927	590	417	557	1,312	319	4,150	8.7	1,217
1,068	290	422	492	95	691	356	379	3,842	7.5	1,347
2,592	354	6,046	600	28	583	951	363	5,185	5.6	1,671
1,198	283	329	439	354	641	294	370	4,180	9.8	488
528	227	576	459	51	400	229	230	1,020	2.4	1,314
698	306	1,012	561	30	706	330	400	2,059	4.7	1,962
1,448	194	2,196	479	82	541	152	265	1,169	2.0	1,969
535	291	536	634	802	1,140	144	324	1,693	4.4	1,453
762	402	1,578	608	188	286	602	299	3,367	6.0	1,858
333	348	94	455	286	452	472	378	1,715	6.2	1,948
566	283	486	383	50	472	221	220	372	1.3	1,866
1,380	286	1,854	483	64	359	258	293	1,680	3.2	1,596
458	270	410	573	49	408	474	377	4,151	8.7	963
352	279	415	514	9	240	193	407	3,959	13.6	1,080
884	287	371	459	297	644	248	481	3,203	8.0	632
242	212	467	411	6	2,000	10	308	869	5.5	1,091
928	288	432	571	408	609	237	359	1,735	3.7	1,954
1,469	275	2,870	484	59	529	778	282	1,642	2.1	1,464
892	260	1,104	454	37	673	540	323	4,585	6.6	1,423
740	282	422	530	1,488	891	755	314	2,555	5.1	1,408
1,481	372	436	528	1,195	631	660	386	2,623	6.1	1,684
1,364	251	1,926	581	52	528	430	418	68	0.2	1,941
1,577	235	1,087	489	76	385	900	329	1,673	2.9	1,693
3,136	309	2,537	643	809	534	1,162	398	1,090	1.8	1,936
1,124	187	989	496	348	483	620	343	690	1.8	1,221
4,986	258	5,148	535	626	338	2,919	349	4,809	3.4	1,824
1,791	238	510	482	317	607	410	262	1,183	2.3	2,877
48	138	31	477	1	400	20	354	...	...	...
212	308	50	435	116	440	33	742	505	3.2	1,545
488	213	361	445	40	342	576	322	820	2.4	2,488
3,490	252	2,498	626	326	513	1,002	343	2,263	3.4	1,420
6,866	251	10,697	517	245	485	2,739	263	3,855	1.6	1,369
4,938	255	3,335	467	412	368	1,620	390	2,455	2.2	1,130
5,539	325	6,054	566	102	285	5,217	342	2,841	2.1	1,637
4,053	273	3,344	532	87	540	1,270	404	2,941	3.0	1,686
3,872	229	4,899	539	74	705	1,113	288	897	0.9	1,721
9,767	224	6,912	423	406	417	3,038	297	3,745	1.7	609
8,073	262	5,738	562	288	421	1,474	405	3,052	2.1	1,592
3,239	265	1,340	578	775	415	1,358	476	867	1.2	1,675
1,831	198	1,114	519	74	74	923	850	618	1.6	1,045
3,542	285	1,180	537	331	468	911	712	1,428	2.6	1,169
3,180	334	1,900	542	121	880	3,895	397	3,981	5.1	1,458
2,150	296	1,046	498	12	800	2,936	372	1,769	3.4	1,031
3,388	327	1,644	642	1,354	528	4,746	382	3,640	3.9	1,820
4,400	315	3,293	514	1,582	518	2,289	378	3,218	2.8	1,609
2,345	449	892	760	3,190	499	1,688	371	645	1.3	1,907
730	314	373	450	10	364	719	326	619	3.2	1,519
2,727	286	1,460	477	140	414	4,239	381	2,835	2.8	1,466
2,197	298	1,392	535	380	817	615	334	1,052	2.6	1,367
2,197	297	740	472	29	214	1,552	359	1,224	2.3	1,033
6,413	397	4,040	649	482	637	6,325	405	10,402	6.7	1,552
4,806	366	4,507	624	188	531	5,542	420	4,185	3.5	1,153
1,428	255	420	462	46	361	1,618	350	837	1.9	1,317

USE OF FERTILIZER AND LIME

Table 1.—USE OF FERTILIZER FOR SPECIFIED CROPS AND USE OF

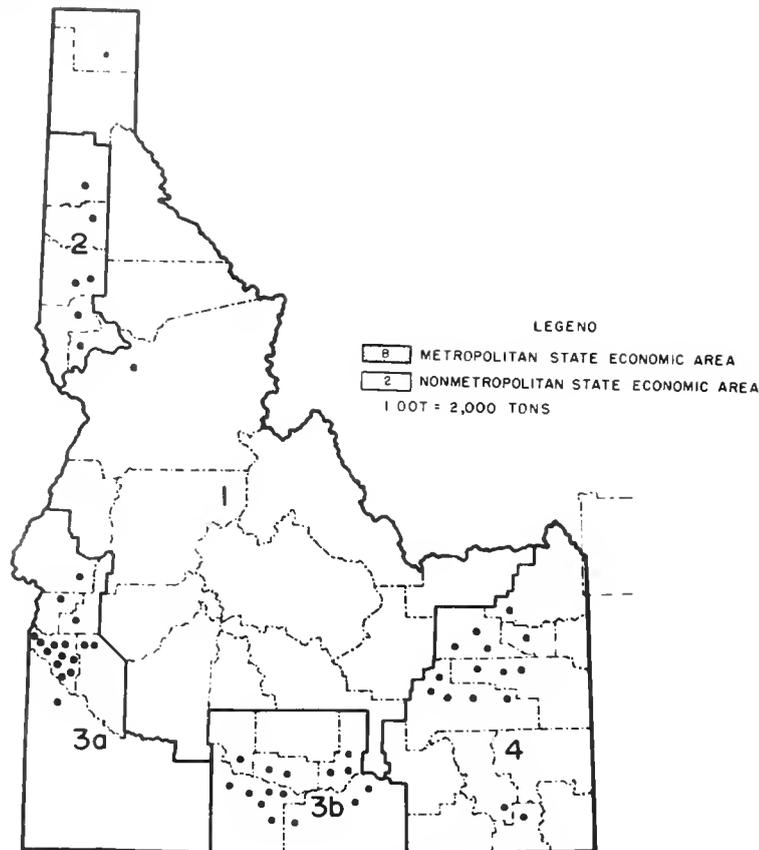
State, economic area, and county	Fertilizer							
	All crops and all pasture fertilized		Hay and cropland pasture fertilized		Other pasture fertilized		All crops fertilized except hay	
	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)
Georgia—Continued								
Area 7b:								
1 Baker	10,114	366	1,768	368	110	478	8,205	364
2 Ben Hill	5,943	417	269	318	80	360	5,475	422
3 Crisp	17,522	473	682	344	628	333	16,229	490
4 Decatur	15,449	371	558	401	870	291	14,025	379
5 Dooly	20,864	435	788	274	943	387	19,137	448
6 Dougherty	8,904	370	1,942	389	1,495	397	5,433	355
7 Early	25,048	390	2,232	288	1,508	320	21,028	407
8 Grady	18,807	419	1,180	307	1,059	446	16,479	433
9 Irwin	13,273	447	845	475	514	430	11,785	450
10 Lee	10,739	392	900	472	1,450	423	8,329	375
11 Miller	13,988	327	321	278	836	203	12,804	344
12 Mitchell	24,492	398	2,458	391	1,250	332	20,692	411
13 Pulaski	8,524	394	484	349	822	382	7,227	406
14 Seminole	9,971	362	475	345	1,126	291	8,376	372
15 Tift	19,726	550	856	419	390	355	18,497	567
16 Turner	13,898	399	324	316	502	217	13,131	420
17 Wilcox	11,664	394	531	484	217	358	10,889	396
18 Worth	24,069	417	682	369	800	364	22,634	425
Area 8:								
19 Appling	9,159	435	440	417	658	403	8,067	443
20 Atkinson	5,559	513	676	459	157	298	4,727	537
21 Bacon	7,658	513	740	459	233	312	6,651	532
22 Berrien	18,005	533	1,038	455	966	387	15,945	550
23 Brooks	20,912	435	1,792	346	822	462	18,130	441
24 Bulloch	24,432	406	1,396	368	1,103	407	21,840	410
25 Candler	9,211	400	700	351	490	366	8,008	409
26 Coffee	20,182	464	792	369	1,863	414	17,221	475
27 Colquitt	35,346	495	2,582	406	1,549	409	31,401	512
28 Cook	12,290	529	570	410	410	416	11,279	541
29 Emanuel	14,306	341	793	284	397	299	13,113	351
30 Evans	6,082	445	446	548	328	397	5,272	449
31 Jeff Davis	7,604	555	286	438	350	414	6,915	568
32 Lanier	4,584	523	910	712	218	596	3,460	493
33 Lowndes	13,928	468	1,323	486	972	372	11,631	484
34 Montgomery	5,784	340	240	277	182	262	5,402	351
35 Tattnall	15,977	484	694	377	690	403	14,581	504
36 Thomas	26,268	482	2,799	500	755	319	22,443	485
37 Toombs	11,007	488	481	330	595	480	9,911	416
Area 9:								
38 Brantley	3,253	622	486	538	378	305	2,388	775
39 Bryan	1,994	433	254	440	134	337	1,577	441
40 Camden	381	496	38	136	38	262	306	893
41 Charlton	580	508	36	409	44	391	497	525
42 Clinch	1,218	503	184	363	224	603	802	521
43 Echols	1,068	348	36	206	78	432	971	358
44 Effingham	5,514	430	330	233	150	504	4,041	458
45 Glynn	366	496	155	525	108	467	102	482
46 Liberty	1,290	492	242	516	257	427	791	510
47 Long	1,740	448	88	371	182	450	1,469	454
48 McIntosh	134	308	66	251	23	657	46	329
49 Pierce	9,865	515	464	379	416	324	8,862	535
50 Ware	5,690	496	575	342	472	500	4,674	532
51 Wayne	7,354	404	546	265	490	294	6,286	436
Metropolitan Area E:								
52 Chatham	1,999	576	342	384	366	485	1,282	692

LIME, BY ECONOMIC AREAS AND BY COUNTIES: CENSUS OF 1954—Continued

Fertilizer—Continued								Lime		
Specified crops fertilized		Specified crops fertilized		Fruits, vegetables, and potatoes fertilized		Other crops fertilized except hay		Acres limed	Percent of total cropland plus improved pasture	Quantity used per acre (pounds)
Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)			
Corn	Corn	Cotton	Cotton							
3,700	306	1,252	613	127	498	3,126	384	7,026	8.0	930
1,880	295	1,406	503	314	872	1,875	545	1,252	3.1	1,462
6,430	415	5,036	770	1,981	601	2,782	356	3,876	4.0	1,601
7,467	308	1,238	512	408	626	4,912	504	6,417	5.9	1,323
6,174	337	7,136	659	2,321	716	3,506	339	3,881	2.9	1,820
2,086	352	596	473	893	248	1,858	411	2,933	2.9	1,913
8,132	334	4,789	586	263	559	7,844	419	8,562	5.6	1,447
8,954	348	1,420	658	2,060	766	4,045	541	3,350	3.3	1,423
4,606	324	2,468	571	1,082	730	3,629	587	2,210	2.6	1,748
3,058	345	1,059	631	589	416	3,623	354	4,721	4.8	1,727
5,567	274	1,938	512	607	829	4,692	381	7,117	8.0	1,097
8,628	309	3,778	485	2,306	834	5,980	504	9,147	5.2	1,397
3,076	307	2,919	593	180	502	1,052	424	1,934	2.7	1,816
3,628	311	1,519	535	162	745	3,067	394	2,320	3.3	1,441
6,134	403	2,724	619	2,986	984	6,653	669	2,735	3.4	1,257
3,404	369	2,934	630	2,139	533	4,654	347	1,546	2.1	1,035
4,055	327	3,451	543	1,156	767	2,227	310	3,246	4.0	1,532
7,827	316	6,178	593	2,358	728	6,271	425	3,035	2.0	1,999
3,752	285	1,476	584	483	795	2,356	1,253	1,534	2.7	1,384
2,498	346	309	701	132	940	1,788	1,799	565	1.9	1,140
3,404	342	591	612	76	724	2,580	1,730	1,024	2.5	1,348
8,760	394	1,138	582	1,231	927	4,816	1,390	2,350	3.1	1,887
7,734	305	2,732	543	4,553	696	3,111	719	3,682	2.7	1,705
11,447	314	4,632	567	509	847	5,252	653	5,186	3.3	1,505
3,671	269	1,776	516	346	830	2,205	1,073	500	0.9	1,320
8,634	318	2,142	500	500	839	5,945	1,268	1,562	1.6	1,373
11,329	335	6,956	551	4,870	951	8,246	842	5,315	3.4	1,120
4,645	340	1,385	588	1,833	853	3,416	1,278	1,087	2.0	1,660
5,947	244	4,704	506	329	497	2,133	721	1,971	1.6	1,076
2,618	302	892	562	238	1,058	1,554	1,210	554	1.7	1,354
3,518	380	878	652	255	1,123	2,264	1,702	1,027	2.8	1,089
1,798	348	228	625	186	1,244	1,448	938	970	4.5	1,907
5,290	321	892	526	1,554	712	3,895	1,071	1,724	2.2	1,187
2,634	239	1,223	436	237	671	1,308	836	611	1.3	1,342
6,630	321	1,564	524	3,360	1,475	3,027	1,003	1,275	1.7	1,250
10,686	368	2,076	646	5,856	775	4,025	591	4,776	3.8	1,502
1,601	285	2,436	553	623	626	2,251	1,009	1,195	1.7	931
1,312	555	2	800	92	925	982	1,606	1,985	12.5	1,888
937	330	53	602	258	1,316	329	738	821	6.2	1,471
84	487	...	...	200	1,509	22	587	272	6.1	3,272
270	402	2	800	22	710	203	837	180	2.6	1,611
553	436	38	447	18	327	144	1,382	417	7.0	1,682
547	260	10	1,333	36	414	378	736	210	1.9	1,838
3,667	427	685	764	212	530	477	426	620	1.6	1,194
64	410	...	...	37	698	1	400	238	6.1	2,176
466	421	68	857	85	592	172	764	655	5.9	1,317
843	344	232	516	75	843	319	1,276	105	1.3	2,857
40	327	...	...	6	343	...	...	200	7.3	2,900
4,052	339	650	581	368	961	3,792	1,225	730	1.3	2,151
2,382	348	211	636	273	609	1,808	1,560	1,148	3.6	1,054
3,789	328	748	641	361	606	1,388	1,284	2,882	5.2	1,057
349	488	47	537	735	1,165	151	360	1,470	10.2	1,569

IDAHO

TONS OF FERTILIZER



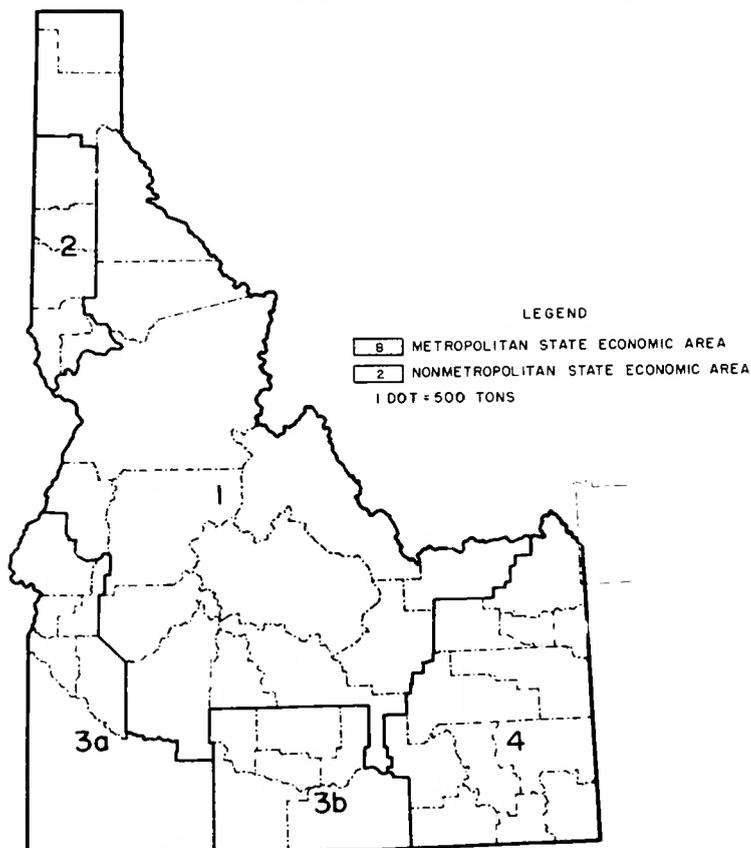
Map No. A54-40d

Table 1.—USE OF FERTILIZER FOR SPECIFIED CROPS AND USE OF

State, economic area, and county		Fertilizer							
		All crops and all pasture fertilized		Hay and cropland pasture fertilized		Other pasture fertilized		All crops fertilized except hay	
		Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)
1	Idaho, total	110,459	233	24,768	212	2,196	182	83,439	242
Area 1:									
2	Adams	190	214	146	204	...	...	43	253
3	Blaine	307	149	50	181	15	200	242	141
4	Boise	95	176	80	203	2	100	13	104
5	Bonner	915	169	166	568	43	161	304	175
6	Boundary	1,050	102	114	185	10	133	927	96
7	Butte	419	178	112	205	2	200	306	170
8	Camas	76	102	7	192	...	...	69	98
9	Clark	61	201	60	200	...	...	1	250
10	Clearwater	447	103	132	130	2	160	313	94
11	Custer	297	252	55	308	5	100	237	250
12	Elmore	874	266	315	347	32	188	526	239
13	Idaho	1,802	131	315	135	4	111	1,483	130
14	Lemhi	246	242	176	234	...	...	70	262
15	Shoshone	2	267	...	...	...	...	2	267
16	Valley	289	173	30	128	...	...	259	180
Area 2:									
17	Beneviah	1,271	122	263	199	6	106	1,007	111
18	Kootenai	2,258	132	329	150	14	144	1,915	129
19	Latah	3,616	117	318	126	38	230	3,267	116
20	Lewis	1,152	102	56	122	34	117	1,062	100
21	Nez Perce	2,653	109	135	110	41	124	2,461	107
Area 3a:									
22	Ada	3,216	406	1,481	388	184	423	1,551	423
23	Canyon	19,834	532	2,267	293	486	324	17,074	604
24	Gem	1,137	296	208	216	31	335	899	323
25	Owyhee	2,522	369	384	234	40	246	2,098	417
26	Payette	2,302	296	298	197	155	311	1,851	321
27	Washington	1,716	248	330	176	14	141	1,372	279
Area 3b:									
28	Cassia	5,788	275	1,194	218	44	279	4,550	294
29	Gooding	2,195	245	946	235	80	252	1,169	254
30	Jerome	4,765	226	1,465	201	120	158	3,187	242
31	Lincoln	607	204	101	179	20	320	486	207
32	Minidoka	6,896	277	711	166	35	163	6,146	303
33	Twin Falls	12,329	252	4,239	217	227	174	7,862	279

IDAHO

TONS OF LIME



Map No. A54-409

LIME, BY ECONOMIC AREAS AND BY COUNTIES: CENSUS OF 1954—Continued

Fertilizer—Continued								Lime			
Specified crops fertilized		Specified crops fertilized		Fruits, vegetables, and potatoes fertilized		Other crops fertilized except hay		Acres limed	Percent of total cropland plus improved pasture	Quantity used per acre (pounds)	
Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)				
Sugar Beets 18,742	Sugar Beets 482	Wheat 21,205	Wheat 155	21,945	399	21,547	190	...	...	...	1
...	...	5	100	38	317	...	...	...	...	...	2
...	...	154	134	...	...	88	157	...	...	...	3
...	...	12	99	...	...	1	250	...	...	...	4
...	...	88	183	22	376	194	162	...	...	...	5
...	...	523	93	2	267	402	101	...	...	...	6
...	...	110	137	105	208	91	186	...	...	...	7
...	...	42	97	1	61	26	102	...	...	...	8
...	...	1	250	...	...	...	...	...	...	...	9
...	...	208	92	2	267	103	97	...	...	...	10
...	...	32	131	39	275	166	295	...	...	...	11
19	950	205	251	24	224	278	222	...	...	...	12
...	...	926	144	...	...	557	111	...	...	...	13
...	...	10	190	30	300	30	262	...	...	...	14
...	...	...	...	2	267	...	...	...	...	...	15
...	...	8	139	38	563	213	162	...	...	...	16
...	...	571	109	...	...	436	114	...	...	...	17
115	575	1,234	121	5	286	561	125	...	...	...	18
...	...	1,953	121	7	130	1,307	108	...	...	...	19
...	...	508	108	...	...	554	94	...	...	...	20
...	...	1,510	106	4	160	947	110	...	...	...	21
327	568	263	397	15	171	946	404	...	...	...	22
5,230	677	1,064	292	6,556	1,134	4,224	381	...	...	...	23
138	480	15	188	378	371	368	263	...	...	...	24
1,049	663	300	260	294	484	455	270	...	...	...	25
390	600	302	233	456	314	703	297	...	...	...	26
532	652	226	109	126	800	488	259	...	...	...	27
2,058	437	862	200	933	370	697	178	...	...	...	28
158	457	382	232	102	355	527	227	...	...	...	29
733	467	671	168	670	363	1,113	193	...	...	...	30
...	...	351	213	62	250	73	162	...	...	...	31
2,408	414	1,634	224	1,583	402	521	161	...	...	...	32
2,357	417	1,900	189	1,459	358	2,146	256	...	...	...	33

USE OF FERTILIZER AND LIME

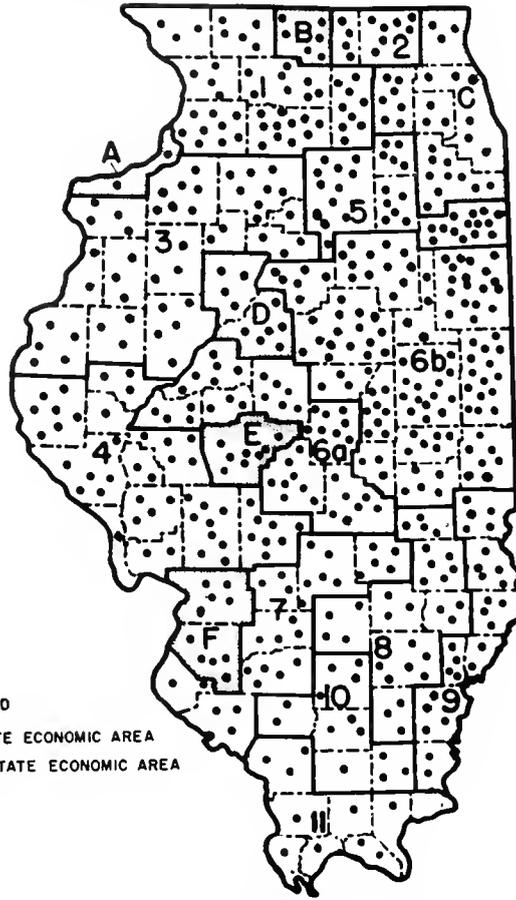
Table 1.—USE OF FERTILIZER FOR SPECIFIED CROPS AND USE OF

State, economic area, and county		Fertilizer							
		All crops and all pasture fertilized		Hay and cropland pasture fertilized		Other pasture fertilized		All crops fertilized except hay	
		Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)
Idaho—Continued									
Area 4:									
1	Bannock	1,145	293	195	266	4	320	946	299
2	Bear Lake	189	210	121	259	...	...	68	156
3	Bingham	9,212	217	2,004	177	218	66	6,943	252
4	Bonneville	5,606	238	1,806	216	170	238	3,630	250
5	Caribou	679	128	84	137	...	...	592	126
6	Franklin	1,233	214	105	156	16	186	1,112	222
7	Fremont	2,329	216	625	248	6	146	1,698	206
8	Jefferson	5,269	232	2,010	207	66	128	3,193	255
9	Madison	2,233	214	739	224	20	200	1,474	210
10	Oneida	414	182	24	136	1	400	391	187
11	Power	672	180	138	144	11	440	522	190
12	Teton	151	209	32	267	...	...	118	196

LIME, BY ECONOMIC AREAS AND BY COUNTIES: CENSUS OF 1954—Continued

Fertilizer—Continued								Lime		
Specified crops fertilized		Specified crops fertilized		Fruits, vegetables, and potatoes fertilized		Other crops fertilized except hay		Acres limed	Percent of total cropland plus improved pasture	Quantity used per acre (pounds)
Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)			
<i>Sugar Beets</i>	<i>Sugar Beets</i>	<i>Wheat</i>	<i>Wheat</i>							
503	459	258	174	126	295	59	386	...	...	...
...	...	55	146	...	...	13	220	...	...	...
1,008	335	1,640	196	3,254	286	1,041	216	...	...	...
370	405	760	178	1,994	286	506	217	...	...	...
78	310	162	120	162	245	190	78	...	...	...
640	312	210	130	60	329	202	185	...	...	...
5	167	433	131	1,006	289	254	181	...	...	...
260	427	834	202	1,445	303	654	217	...	...	...
166	372	438	184	572	215	298	195	...	...	...
80	430	88	66	177	1,616	46	97	...	...	...
118	331	235	179	121	169	48	129	...	...	...
...	...	22	155	75	250	21	131	...	...	...

ILLINOIS
TONS OF FERTILIZER



LEGEND
 B METROPOLITAN STATE ECONOMIC AREA
 2 NONMETROPOLITAN STATE ECONOMIC AREA
 1 DOT = 2,000 TONS

Map No. A54-412

Table 1.—USE OF FERTILIZER FOR SPECIFIED CROPS AND USE OF

State, economic area, and county	Fertilizer							
	All crops and all pasture fertilized		Hay and cropland pasture fertilized		Other pasture fertilized		All crops fertilized except hay	
	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)
1 Illinois, total	1,049,247	265	97,394	470	13,296	382	930,137	250
2 Area 1:								
3 Carroll	7,380	217	671	423	76	362	6,498	201
4 De Kalb	18,275	250	2,116	522	150	400	15,765	230
5 Jo Daviess	5,890	236	808	576	204	396	4,762	207
6 Lee	21,975	265	2,283	432	432	982	19,223	247
7 Ogle	15,462	228	1,790	511	254	297	13,358	206
8 Stephenson	9,150	254	2,232	609	26	281	6,731	209
9 Whiteside	17,826	225	1,380	289	156	236	15,986	216
9 Metropolitan Area A: Rock Island	4,694	263	399	481	46	312	4,230	252
10 Metropolitan Area B: Winnebago	11,146	212	1,066	345	130	325	9,900	200
11 Area 2:								
12 Boone	8,147	220	1,245	382	8	213	6,894	205
12 McHenry	14,596	235	1,718	306	222	253	12,537	229
13 Metropolitan Area C:								
14 Cook	12,304	392	478	433	...	...	11,607	383
15 Du Page	5,532	278	172	316	215	1,062	5,140	264
16 Kane	14,762	241	1,634	360	175	357	12,898	230
16 Lake	5,315	245	515	337	31	388	4,703	235
17 Will	20,329	286	1,467	531	72	497	18,766	277
18 Area 3:								
19 Bureau	15,142	255	1,652	414	41	265	13,314	245
19 Fulton	9,811	321	981	665	255	371	8,589	302
20 Hancock	10,217	263	1,156	707	94	616	8,976	242
21 Henderson	4,272	277	562	568	182	520	3,500	246
22 Henry	13,906	280	2,202	652	111	389	11,396	243
23 Knox	5,908	356	1,248	911	142	434	4,528	306
24 McDonough	6,582	337	1,218	812	98	456	5,223	292
25 Marshall	6,192	502	1,574	805	242	913	4,376	430
26 Mercer	8,480	338	1,190	504	377	670	6,864	309
27 Putnam	2,790	392	385	460	39	538	2,315	374
28 Stark	4,278	393	368	513	60	369	3,848	382
29 Warren	5,722	370	1,681	1,044	...	...	3,945	281



LEGEND
 B METROPOLITAN STATE ECONOMIC AREA
 A NONMETROPOLITAN STATE ECONOMIC AREA
 1 DOT = 500 TONS

Map No. 3b4-413

LIME, BY ECONOMIC AREAS AND BY COUNTIES: CENSUS OF 1954—Continued

Fertilizer—Continued								Lime			
Specified crops fertilized		Specified crops fertilized		Fruits, vegetables, and potatoes fertilized		Other crops fertilized except hay		Acres limed	Percent of total cropland plus improved pasture	Quantity used per acre (pounds)	
Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)				
<i>Corn</i> 609,595	<i>Corn</i> 234	<i>Wheat</i> 131,803	<i>Wheat</i> 244	18,899	367	169,840	324	1,123,116	4.7	4,475	1
4,595	169	38	507	962	435	903	328	11,115	5.7	4,883	2
11,599	210	98	232	1,204	251	2,864	359	14,280	4.1	4,513	3
3,842	189	...	...	4	533	916	337	8,910	4.7	5,033	4
13,661	226	374	368	826	279	4,362	325	18,153	4.8	5,307	5
9,204	179	94	283	1,892	295	2,168	327	11,900	3.2	5,551	6
5,768	193	10	400	29	270	924	419	15,580	5.6	5,650	7
12,614	212	168	199	54	360	3,150	229	13,370	3.8	5,170	8
3,158	251	55	196	356	488	661	206	5,980	3.8	4,204	9
7,676	188	86	212	164	207	1,974	266	7,580	3.4	5,251	10
5,138	200	38	400	393	255	1,325	209	4,948	3.4	4,789	11
9,165	219	227	321	708	423	2,437	228	8,175	3.2	3,228	12
4,975	274	110	370	3,886	635	2,636	460	9,341	6.3	2,285	13
3,546	238	222	290	204	571	1,168	340	3,100	3.0	3,448	14
8,785	191	405	298	218	656	3,490	413	12,487	5.0	3,317	15
3,152	224	248	288	314	460	989	227	4,040	3.4	2,208	16
14,636	273	721	303	300	455	3,109	280	17,285	4.7	4,543	17
9,428	218	60	242	364	247	3,462	365	16,505	3.9	4,524	18
6,453	294	778	346	18	180	1,340	321	15,360	5.1	3,798	19
5,435	215	2,037	277	12	800	1,492	335	13,670	4.2	5,358	20
2,448	218	286	313	24	192	742	381	5,920	3.8	5,029	21
8,304	216	78	343	20	400	2,994	369	16,185	3.9	4,507	22
2,706	244	152	313	...	...	1,670	523	18,985	6.4	4,819	23
3,597	259	484	461	...	...	1,142	389	15,395	6.0	4,769	24
2,610	382	476	454	12	200	1,278	574	9,065	5.1	4,713	25
4,508	256	30	267	10	444	2,316	518	15,882	6.7	4,321	26
1,417	332	210	424	...	...	688	479	2,708	4.1	4,532	27
2,512	336	2	200	2	800	1,332	516	10,010	6.7	3,271	28
2,598	230	2	267	...	...	1,345	494	10,320	4.1	4,835	29

Table 1.—USE OF FERTILIZER FOR SPECIFIED CROPS AND USE OF

State, economic area, and county	Fertilizer							
	All crops and all pasture fertilized		Hay and cropland pasture fertilized		Other pasture fertilized		All crops fertilized except hay	
	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)
Illinois—Continued								
Area 4:								
1 Adams	14,183	245	1,186	380	127	219	12,842	235
2 Brown	2,776	239	176	300	35	452	2,513	232
3 Calhoun	2,529	251	246	490	70	406	2,170	230
4 Greene	8,862	311	554	318	168	343	8,145	307
5 Jersey	4,744	283	234	342	64	388	4,355	269
6 Macoupin	17,959	245	1,246	444	82	182	16,210	231
7 Montgomery	15,717	226	497	317	138	511	15,027	222
8 Morgan	9,006	230	534	335	80	225	8,380	227
9 Pike	12,674	335	1,170	384	32	344	11,398	329
10 Schuyler	5,266	247	364	334	10	333	4,887	239
11 Scott	4,357	298	447	559	10	200	3,916	285
Area 5:								
12 Grundy	11,461	319	1,952	609	113	195	9,587	295
13 Kankakee	27,245	269	1,640	319	28	560	25,373	266
14 Kemball	9,148	355	1,061	512	15	273	7,951	335
15 La Salle	23,663	434	4,012	609	290	540	18,930	395
Area 6a:								
16 Cass	7,002	255	419	292	86	207	6,397	251
17 Christian	16,990	254	712	423	90	178	16,151	251
18 Logan	12,354	369	1,312	543	67	237	10,941	352
19 Macon	15,855	330	644	450	220	512	14,905	320
20 Mason	12,250	277	718	302	596	2,536	10,709	255
21 Menard	5,508	275	162	282	116	481	5,237	272
22 Shelby	14,941	217	538	290	113	207	14,181	212
Metropolitan Area D:								
23 Peoria	7,732	358	1,066	641	150	259	6,370	328
24 Tazewell	12,552	403	2,383	880	127	400	9,954	360
Metropolitan Area E:								
25 Sangamon	16,214	299	1,112	448	364	411	14,492	283
Area 6b:								
26 Champaign	27,204	300	1,355	488	226	457	25,092	290
27 Coles	10,681	261	616	316	107	911	9,784	252
28 De Witt	7,362	320	858	692	315	500	6,221	294
29 Douglas	11,920	253	422	274	34	324	11,405	250
30 Edgar	14,158	229	774	434	105	174	13,307	224
31 Ford	8,990	317	1,368	639	92	836	7,458	289
32 Iroquois	35,009	274	3,394	479	205	458	30,999	260
33 Livingston	23,007	444	5,188	690	354	413	17,117	401
34 McLean	32,305	426	4,707	670	192	413	27,034	393
35 Moultrie	6,744	284	494	328	38	585	6,163	280
36 Piatt	15,439	329	614	447	100	377	14,802	326
37 Vermilion	30,770	290	1,258	331	195	222	29,283	289
38 Woodford	12,350	584	3,504	1,052	396	692	8,463	490
Area 7:								
39 Bond	6,382	210	416	655	150	476	5,783	197
40 Clinton	7,142	198	269	259	234	509	6,639	189
41 Effingham	9,610	194	510	245	78	289	8,982	188
42 Fayette	11,666	187	240	234	233	360	11,068	185
43 Monroe	3,639	237	382	399	54	568	3,179	223
44 Randolph	6,744	238	708	494	292	605	5,744	217
45 Washington	10,464	201	688	335	112	396	9,617	194
Metropolitan Area F:								
46 Madison	10,444	209	859	422	214	268	9,296	197
47 St. Clair	10,548	242	749	428	154	323	9,606	234
Area 8:								
48 Clay	6,110	177	64	235	18	141	5,979	174
49 Cumberland	8,746	243	302	268	195	517	8,154	237
50 Hamilton	6,070	185	395	533	38	390	5,539	172
51 Jasper	11,002	216	402	477	15	1,000	10,449	212
52 Marion	8,760	200	410	213	226	307	7,968	192
53 Richland	6,310	199	280	334	71	568	5,957	194
54 Wayne	11,032	172	654	234	160	282	10,071	166
Area 9:								
55 Clark	10,694	231	244	211	72	267	10,340	232
56 Crawford	9,269	224	774	317	204	263	8,159	214
57 Edwards	7,046	228	195	247	60	293	6,687	224
58 Gallatin	4,918	198	159	215	25	200	4,773	198
59 Lawrence	7,267	224	72	222	38	214	7,067	223
60 Wabash	4,664	201	142	258	87	308	4,370	195
61 White	7,855	158	246	396	64	305	7,493	155
Area 10:								
62 Franklin	6,646	233	286	289	88	152	6,200	232
63 Jefferson	8,750	196	322	327	57	275	8,239	188
64 Perry	4,955	202	434	331	14	181	4,424	191
65 Saline	5,964	220	484	395	274	830	5,171	206
66 Williamson	2,948	200	256	311	52	378	2,645	190
Area 11:								
67 Alexander	1,436	226	195	443	...	...	1,232	209
68 Hardin	749	195	131	409	64	264	557	168
69 Jackson	5,854	315	982	867	69	575	4,754	279
70 Johnson	2,072	222	363	281	169	356	1,507	196
71 Massac	3,331	245	562	763	315	168	2,456	240
72 Pope	2,158	245	682	299	...	...	1,454	221
73 Pulaski	2,262	340	54	354	8	457	2,196	342
74 Union	2,740	269	355	448	4	150	2,365	249

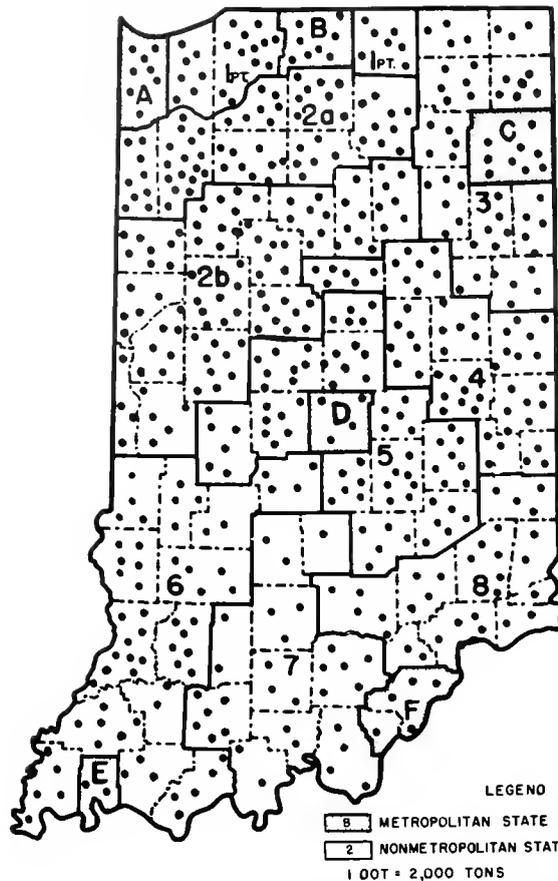
USE OF FERTILIZER AND LIME

LIME, BY ECONOMIC AREAS AND BY COUNTIES: CENSUS OF 1954—Continued

Fertilizer—Continued								Lime		
Specified crops fertilized		Specified crops fertilized		Fruits, vegetables, and potatoes fertilized		Other crops fertilized except hay		Acres limed	Percent of total cropland plus improved pasture	Quantity used per acre (pounds)
Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)			
Corn	Corn	Wheat	Wheat							
7,311	232	3,238	229	161	418	2,132	250	15,810	4.9	3,974
1,662	216	479	263	8	213	364	285	3,310	3.5	4,997
1,374	221	378	332	262	257	1,985	263	1,985	2.8	5,668
6,213	302	1,189	284	128	1,766	615	268	6,960	3.3	4,774
2,522	247	1,038	399	20	96	775	338	6,685	5.1	5,328
10,308	222	1,448	246	50	317	1,404	257	15,335	4.4	4,379
9,026	210	4,280	336	29	200	1,692	260	14,955	4.8	4,858
5,982	226	2,142	220	...	...	656	257	12,935	5.2	4,687
8,068	316	1,394	406	206	321	1,730	349	20,635	6.4	4,799
3,490	238	990	237	207	...	407	250	7,279	5.1	3,414
2,492	262	720	252	...	...	704	517	6,450	6.1	3,696
6,716	287	32	139	105	1,355	2,734	312	11,491	5.7	4,144
17,155	259	1,172	330	490	543	6,556	264	16,171	4.7	4,287
6,314	336	83	310	116	786	1,438	317	9,215	5.4	4,560
12,752	375	178	306	702	242	5,598	497	27,135	4.7	3,922
3,790	247	1,642	259	...	...	965	256	5,502	3.5	3,803
9,573	241	1,806	250	2	67	1,770	334	16,100	4.4	4,432
6,658	303	1,291	414	...	...	2,392	532	22,533	6.7	4,318
9,512	293	2,386	312	13	118	2,994	477	13,135	4.4	3,950
6,874	256	2,995	234	...	...	840	352	14,793	6.3	4,696
3,610	268	952	297	2	800	673	261	6,765	4.5	4,261
9,579	207	3,186	213	15	600	1,401	255	16,600	4.8	4,041
3,934	395	680	322	157	452	1,599	442	8,870	3.8	4,424
6,296	309	1,280	375	372	632	2,006	613	17,150	5.7	3,735
8,492	250	3,615	315	20	348	2,365	418	25,308	6.2	4,775
16,224	270	4,230	328	16	337	4,622	338	32,335	5.9	3,836
6,035	240	2,304	259	60	253	1,385	300	10,110	4.1	4,259
4,178	271	312	247	10	143	1,721	390	12,995	6.5	3,708
7,777	240	2,416	291	18	600	1,194	252	12,210	7.3	4,242
8,956	215	1,921	240	106	508	2,324	240	16,075	5.4	4,061
5,297	267	90	537	230	274	1,841	368	12,805	4.8	4,147
21,310	244	1,345	283	172	346	8,172	306	18,290	3.1	4,128
10,533	362	52	208	115	754	6,417	486	29,325	5.0	4,335
17,188	351	458	519	26	547	9,362	493	39,655	6.2	4,006
3,634	278	1,919	281	...	...	610	293	8,415	4.9	4,749
9,320	311	2,008	319	...	...	2,974	392	14,950	6.0	4,084
19,382	273	5,512	334	342	274	4,047	323	18,630	4.3	3,717
5,019	388	187	367	190	571	3,067	878	11,805	4.6	4,292
3,609	186	1,624	219	64	985	486	197	4,801	3.1	4,930
3,952	183	2,165	181	70	609	452	297	5,715	2.7	4,819
5,108	191	2,370	197	52	378	1,452	165	12,585	6.6	5,329
6,911	184	2,758	218	29	163	1,370	148	10,630	4.0	5,372
1,468	213	1,128	204	80	865	503	290	6,295	4.1	5,110
2,826	214	1,996	187	94	225	828	382	6,432	3.0	5,173
3,476	194	4,603	179	148	493	1,390	247	7,556	3.2	5,306
4,999	184	3,321	205	138	307	838	240	13,995	5.1	5,084
4,507	228	3,539	221	152	403	1,408	287	12,893	5.0	4,608
3,917	161	1,408	222	24	160	630	178	5,095	2.8	6,359
4,566	217	2,306	293	12	436	1,270	231	6,565	4.3	5,666
4,008	164	1,302	199	...	...	229	178	8,296	5.0	4,699
6,057	200	2,520	239	10	422	1,862	222	13,074	5.7	5,372
4,610	175	2,012	200	282	315	1,058	254	7,850	3.8	5,064
3,985	192	1,390	202	6	92	576	194	7,955	5.2	5,432
7,400	156	1,494	209	...	...	1,177	195	12,090	4.2	5,070
6,512	232	2,422	233	...	...	1,406	227	10,723	5.1	4,685
4,816	192	1,239	231	1	400	1,503	297	7,787	4.4	4,176
4,402	216	1,692	236	6	104	5175	259	5,175	4.7	5,780
3,385	187	726	207	20	296	642	269	2,570	2.2	4,502
4,510	313	2,196	248	13	245	348	224	3,455	2.4	3,664
2,844	196	1,082	181	17	400	427	216	2,669	2.7	4,268
5,426	149	1,581	156	32	346	454	252	8,800	3.8	4,565
3,648	224	1,914	251	40	593	598	218	5,443	4.0	5,453
5,342	179	2,149	209	38	329	660	192	14,515	7.0	4,955
3,480	185	1,615	197	25	333	304	210	5,206	3.4	6,647
3,646	204	999	312	12	2,400	514	198	3,502	2.7	4,507
2,085	187	314	195	30	179	216	218	2,557	2.4	4,936
940	200	130	215	70	452	92	215	925	1.6	5,211
530	167	12	178	9	450	2	114	590	1.3	4,407
2,597	244	860	254	408	320	889	512	15,530	9.3	4,426
1,128	191	68	231	226	198	85	250	470	0.4	4,591
1,836	231	330	301	82	140	208	340	6,986	8.6	2,452
1,020	197	220	275	2	800	212	346	1,255	1.6	4,947
1,783	366	142	173	9	200	262	380	2,600	3.6	3,658
1,380	223	233	210	529	423	223	230	3,455	3.4	4,773

INDIANA

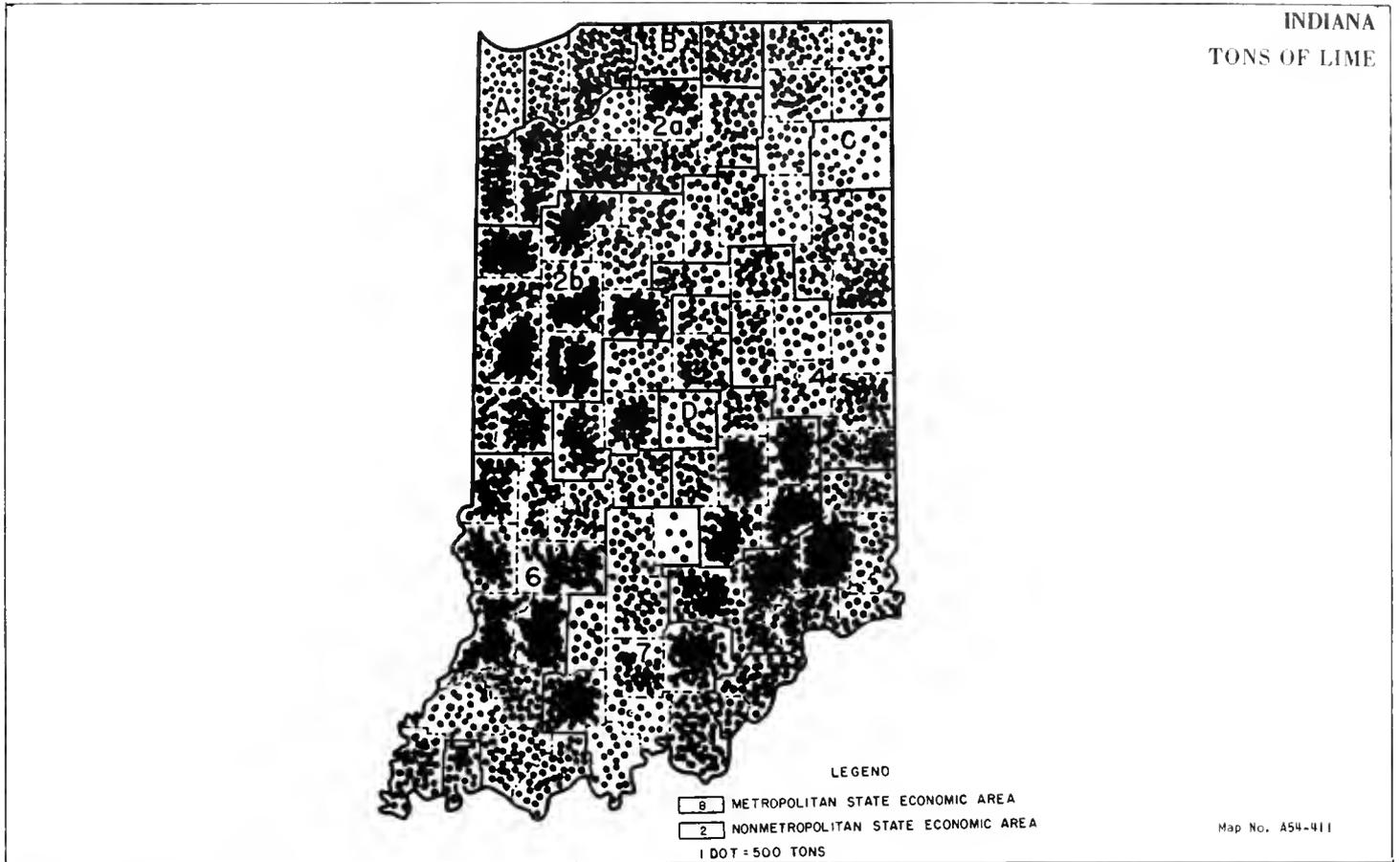
TONS OF FERTILIZER



Map No. A54-410

Table 1.-USE OF FERTILIZER FOR SPECIFIED CROPS AND USE OF

State, economic area, and county	Fertilizer							
	All crops and all pasture fertilized		Hay and cropland pasture fertilized		Other pasture fertilized		All crops fertilized except hay	
	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)
1 Indiana, total.....	1,043,404	259	65,920	274	10,477	267	958,757	257
2 Area 1:								
3 Elkhart.....	13,098	245	1,396	275	124	243	11,357	241
4 La Porte.....	24,202	276	2,038	228	46	256	22,069	279
5 Porter.....	14,465	264	843	312	18	267	13,328	261
6 Metropolitan Area A:								
7 Lake.....	15,480	309	736	289	94	291	14,588	313
8 Metropolitan Area B:								
9 St. Joseph.....	16,020	300	586	232	66	261	15,379	302
10 Area 2a:								
11 Fulton.....	12,910	234	891	238	90	313	11,932	238
12 Jasper.....	31,702	310	1,157	326	252	258	30,790	317
13 Kosciusko.....	18,664	242	948	231	44	139	17,647	248
14 Marshall.....	16,688	270	1,160	231	80	181	15,254	275
15 Newton.....	18,102	277	776	189	242	321	17,090	283
16 Pulaski.....	18,511	265	939	271	116	270	17,194	264
17 Starke.....	14,408	340	475	358	64	366	13,778	342
18 Area 2b:								
19 Benton.....	16,818	258	624	341	224	238	15,795	257
20 Carroll.....	13,901	220	487	271	30	308	13,306	219
21 Cass.....	13,410	219	496	292	56	191	12,826	221
22 Clinton.....	18,592	253	730	249	134	265	17,459	252
23 Fountain.....	13,101	265	905	347	52	210	11,953	261
24 Miami.....	13,318	258	828	246	40	105	12,210	254
25 Montgomery.....	18,472	242	584	245	256	320	17,604	242
26 Parke.....	9,318	254	548	301	116	265	8,629	253
27 Tippecanoe.....	17,392	256	911	259	314	251	16,093	259
28 Vermillion.....	7,179	268	291	274	74	267	6,796	265
29 Wabash.....	14,412	243	1,120	241	78	246	12,998	237
30 Warren.....	10,836	247	624	276	63	311	10,087	245
31 White.....	19,960	230	1,014	400	170	332	18,640	227



LIME, BY ECONOMIC AREAS AND BY COUNTIES: CENSUS OF 1954—Continued

Fertilizer—Continued								Lime			
Specified crops fertilized		Specified crops fertilized		Fruits, vegetables, and potatoes fertilized		Other crops fertilized except hay		Acres limed	Percent of total cropland plus improved pasture	Quantity used per acre (pounds)	
Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)				
Corn 586,306	Corn 263	Wheat 157,623	Wheat 267	20,788	515	194,040	221	888,240	6.4	3,963	1
6,182	251	2,371	241	27	514	2,777	219	10,830	5.5	4,804	2
13,261	294	4,164	272	694	536	3,950	226	16,086	6.3	4,735	3
7,845	277	2,590	276	302	327	2,591	208	10,500	6.2	4,670	4
8,770	312	1,792	364	1,048	812	2,978	240	9,455	5.7	3,758	5
8,441	300	2,706	258	1,072	1,125	3,160	281	9,955	5.8	3,717	6
7,970	248	1,530	267	204	373	2,228	192	7,437	4.2	4,737	7
19,990	361	2,598	343	1,823	871	6,379	199	16,953	6.8	4,540	8
11,042	256	2,847	263	188	375	3,570	213	10,778	4.5	4,183	9
9,925	299	2,048	261	138	511	3,143	221	9,125	4.5	4,629	10
11,242	306	1,423	333	135	362	4,290	226	14,018	7.5	4,194	11
10,132	291	2,380	312	62	517	4,620	204	12,990	6.8	4,422	12
7,826	340	1,422	287	822	1,567	3,708	314	4,940	3.9	3,919	13
11,760	264	1,621	305	74	214	2,340	209	14,410	6.4	4,230	14
8,656	231	1,882	228	6	600	2,762	186	14,500	7.9	3,859	15
7,676	222	1,634	234	680	637	2,836	183	9,660	5.1	3,833	16
10,995	278	2,546	259	270	679	3,648	186	15,030	7.0	3,422	17
7,641	273	2,464	278	96	229	1,752	206	16,747	9.6	3,152	18
7,160	259	1,774	279	344	401	2,932	223	5,700	3.4	3,953	19
11,204	255	2,502	264	54	327	3,844	199	22,435	9.6	2,982	20
5,478	267	1,548	264	80	464	1,523	201	10,202	7.3	4,419	21
10,748	267	2,801	283	52	473	2,492	211	14,944	6.4	3,687	22
4,558	284	1,156	248	92	417	990	210	6,470	6.9	3,212	23
7,476	249	2,232	259	128	322	3,162	200	8,240	4.5	3,803	24
6,675	246	1,791	280	118	372	1,503	206	10,550	6.3	3,391	25
12,288	240	2,118	275	94	183	4,140	181	14,810	5.8	4,072	26

USE OF FERTILIZER AND LIME

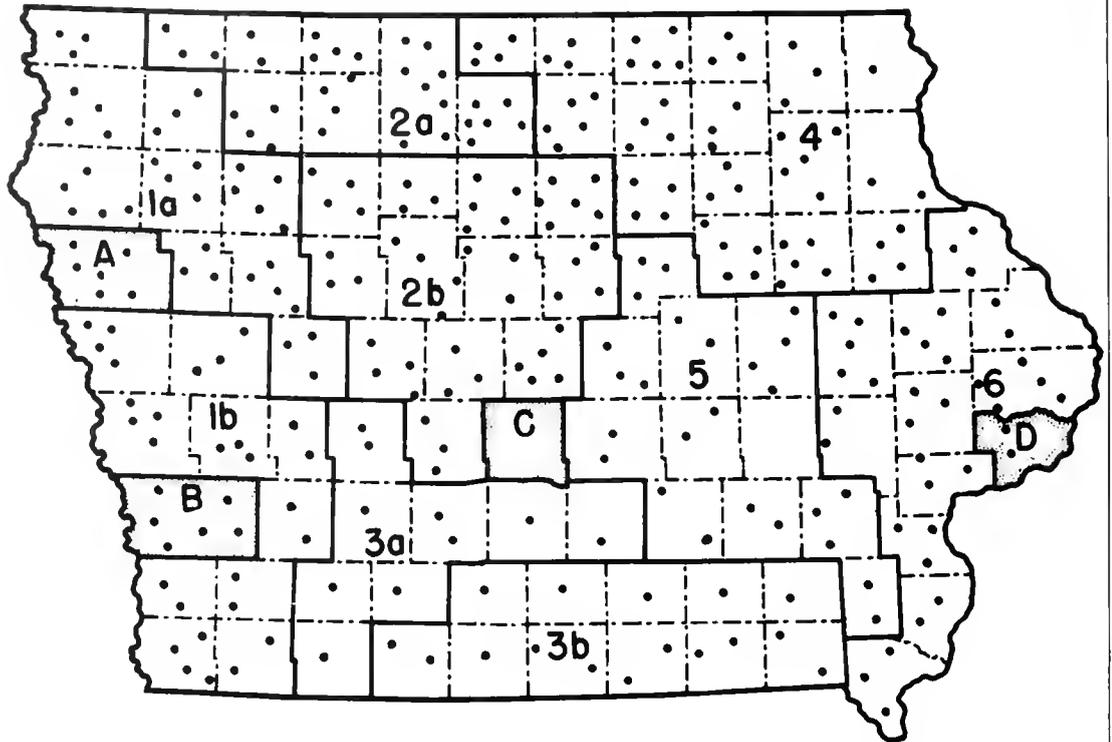
Table 1.—USE OF FERTILIZER FOR SPECIFIED CROPS AND USE OF

	State, economic area, and county	Fertilizer							
		All crops and all pasture fertilized		Hay and cropland pasture fertilized		Other pasture fertilized		All crops fertilized except hay	
		Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)
	Indiana—Continued								
	Area 3:								
1	Adams	10,800	254	1,032	303	70	267	9,678	249
2	Blackford	4,724	221	352	243	12	218	4,339	217
3	De Kalb	12,737	255	934	265	68	234	11,595	256
4	Huntington	12,641	232	1,034	265	172	355	11,322	227
5	Jay	10,964	244	795	268	201	320	9,950	238
6	Lagrange	8,616	202	989	231	124	172	7,449	200
7	Noble	12,354	245	1,096	268	204	299	10,905	241
8	Steuben	6,848	228	440	255	26	242	6,376	228
9	Wells	12,918	238	1,244	295	82	220	11,488	228
10	Whitley	10,964	248	830	255	165	310	9,977	247
	Metropolitan Area C:								
11	Allen	18,413	247	1,176	283	55	210	16,932	243
	Area 4:								
12	Delaware	12,870	251	762	245	76	317	11,824	249
13	Fayette	6,646	256	238	361	41	491	6,323	252
14	Grant	13,860	246	1,160	285	133	265	12,306	240
15	Henry	15,768	243	743	205	70	248	14,606	238
16	Howard	11,218	244	747	270	82	233	10,253	239
17	Madison	13,446	212	307	173	43	151	12,826	212
18	Randolph	15,436	240	1,075	302	92	208	14,008	233
19	Union	6,368	266	281	359	153	356	5,894	248
20	Wayne	14,044	272	908	276	174	254	12,933	269
	Area 5:								
21	Bartholomew	10,398	241	608	307	64	346	9,708	235
22	Boone	15,083	247	605	318	15	207	14,242	245
23	Decatur	12,824	262	530	324	83	263	12,022	255
24	Hamilton	13,840	234	906	256	102	204	12,610	233
25	Hancock	9,626	253	308	248	40	163	9,211	251
26	Hendricks	14,730	270	502	217	80	222	14,095	267
27	Johnson	11,488	260	820	255	95	186	10,536	256
28	Putnam	12,386	265	832	268	186	243	11,256	263
29	Rush	16,722	235	510	280	10	200	16,098	239
30	Shelby	13,498	223	512	253	39	203	12,765	221
31	Tipton	10,970	260	386	285	40	291	10,459	262
	Metropolitan Area D:								
32	Marion	8,280	252	604	260	33	357	7,520	248
	Area 6:								
33	Clay	7,318	242	352	300	84	267	6,940	237
34	Daviess	14,940	300	898	310	411	316	13,387	297
35	Gibson	12,915	246	1,034	284	78	221	11,779	244
36	Greene	9,713	259	602	200	186	278	8,752	258
37	Knox	19,066	274	1,172	265	334	365	17,397	270
38	Morgan	8,348	263	620	272	354	354	7,468	258
39	Owen	4,760	264	602	285	50	220	4,049	255
40	Pike	4,868	260	237	264	56	291	4,503	254
41	Posey	9,441	212	388	272	82	349	8,896	211
42	Spencer	9,757	275	919	292	228	319	8,574	269
43	Sullivan	12,674	264	638	358	100	333	11,778	255
44	Vigo	8,338	275	440	303	71	309	7,681	274
45	Warrick	6,509	249	346	242	106	466	5,941	239
	Metropolitan Area E:								
46	Vanderburgh	3,736	236	374	320	82	196	3,270	226
	Area 7:								
47	Brown	1,192	270	150	222	78	446	956	268
48	Crawford	3,490	308	416	254	71	245	3,008	319
49	Dubois	11,714	288	1,105	300	84	339	10,454	287
50	Harrison	8,140	303	864	300	202	248	6,975	308
51	Lawrence	6,267	266	1,008	290	305	269	4,845	259
52	Martin	3,281	273	370	294	82	298	2,833	267
53	Monroe	4,234	288	848	338	172	319	3,213	276
54	Orange	6,374	297	1,290	305	186	307	4,870	292
55	Perry	4,316	284	480	277	201	227	3,620	284
56	Washington	12,630	323	1,428	303	226	310	10,979	323
	Area 8:								
57	Dearborn	3,698	300	318	400	46	288	3,304	292
58	Franklin	8,078	254	584	256	146	122	7,354	254
59	Jackson	10,612	285	892	427	145	243	9,414	270
60	Jefferson	7,506	365	512	363	170	342	6,747	361
61	Jennings	7,016	269	206	198	102	253	6,685	271
62	Ohio	1,476	405	152	259	...	...	1,299	418
63	Ripley	11,206	316	632	268	230	364	10,334	312
64	Scott	3,508	269	270	274	55	202	3,160	263
65	Switzerland	3,911	470	332	358	104	416	3,443	484
	Metropolitan Area F:								
66	Clark	7,333	297	718	316	131	301	6,401	287
67	Floyd	2,600	332	350	299	76	145	2,140	356

LIME, BY ECONOMIC AREAS AND BY COUNTIES: CENSUS OF 1954—Continued

Fertilizer—Continued								Lime		
Specified crops fertilized		Specified crops fertilized		Fruits, vegetables, and potatoes fertilized		Other crops fertilized except hay		Acres limed	Percent of total cropland plus improved pasture	Quantity used per acre (pounds)
Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)			
Corn	Corn	Wheat	Wheat							
5,255	241	1,824	271	451	540	2,148	229	6,490	3.9	2,877
2,358	231	614	274	39	624	1,328	177	5,685	7.2	2,044
6,735	269	2,294	260	152	524	2,414	215	7,835	4.7	3,146
5,854	229	1,696	257	246	424	3,526	206	5,145	2.9	3,683
5,341	240	1,441	264	204	486	2,964	217	10,260	5.6	3,504
3,882	195	1,721	222	40	124	1,806	193	12,854	7.9	2,871
6,372	240	1,753	238	290	462	2,490	234	8,955	5.0	4,168
3,542	223	1,300	242	164	886	1,370	212	4,305	3.6	4,444
6,177	234	1,837	292	404	577	3,070	182	9,485	5.1	3,232
5,680	253	1,558	256	329	696	2,410	212	6,095	4.2	3,262
8,646	238	3,640	247	1,138	1,279	3,508	197	11,015	4.0	2,330
6,550	258	1,498	266	480	458	3,296	213	6,017	3.4	3,109
3,796	248	1,508	279	15	122	1,004	235	5,197	6.2	3,918
7,106	251	1,794	246	174	435	3,232	212	10,400	5.5	3,082
8,824	258	1,947	252	340	499	3,495	187	6,050	3.3	3,906
5,806	249	1,761	255	440	530	2,246	190	5,130	3.5	4,019
6,907	222	1,886	246	294	449	3,739	178	7,390	3.7	4,066
8,103	248	1,815	252	118	246	3,972	203	4,405	2.0	4,343
3,732	273	1,428	266	70	500	724	204	6,055	8.5	4,679
7,918	266	2,386	305	37	1,138	2,592	248	9,260	5.5	4,051
5,836	238	2,298	233	384	361	1,190	204	11,365	7.5	4,096
9,288	261	1,341	260	166	632	3,447	201	7,535	3.6	3,415
7,482	261	3,320	257	30	171	1,190	221	19,795	11.5	4,020
7,680	239	1,722	268	116	516	3,092	203	9,315	5.2	3,969
5,589	262	1,302	291	230	411	2,090	204	6,440	4.3	3,528
8,606	282	1,355	271	380	707	3,754	224	13,235	7.1	3,680
5,933	256	1,837	242	448	601	2,318	241	8,320	6.2	3,569
7,272	273	1,352	255	100	333	2,532	243	14,495	8.8	3,954
10,042	234	3,570	256	228	509	2,258	223	14,875	7.2	3,566
7,969	225	2,016	202	259	278	2,521	219	19,941	10.1	3,017
5,912	283	1,465	281	65	274	3,017	222	5,395	4.1	3,513
3,904	263	980	248	508	478	2,128	203	5,270	5.2	3,478
4,197	250	1,744	261	48	270	951	168	11,615	9.3	3,928
8,962	297	3,058	313	63	335	1,304	265	16,965	9.5	3,946
8,139	247	2,264	243	300	357	1,076	207	7,385	3.4	4,406
6,364	259	1,228	254	12	320	1,148	252	14,705	9.5	3,508
11,882	268	3,604	255	903	371	1,008	285	20,183	8.3	4,145
4,806	280	1,020	274	30	113	1,612	206	7,818	6.6	3,872
2,782	268	500	280	...	...	767	208	9,905	11.3	3,588
3,158	260	925	260	6	400	414	203	7,497	8.9	4,839
5,601	200	2,544	225	35	226	716	262	8,440	4.6	4,304
5,646	273	1,710	269	27	205	1,191	255	7,560	4.9	4,316
8,110	258	2,376	249	86	277	1,206	249	13,629	7.9	3,870
5,085	265	1,552	282	136	680	1,333	284	13,333	9.4	3,571
3,872	244	1,118	241	13	274	938	217	7,560	6.5	4,561
1,754	221	1,005	244	20	444	491	208	4,355	5.3	5,038
736	245	35	341	11	733	174	391	3,450	14.1	2,072
2,166	322	366	319	34	535	442	297	2,720	4.8	5,360
5,888	285	2,190	284	44	629	2,332	292	13,550	8.9	5,125
3,838	308	957	290	102	664	2,078	307	10,585	7.8	4,523
3,477	253	497	304	76	290	795	261	9,840	10.0	3,624
2,128	262	367	333	8	200	330	241	3,260	6.6	4,537
2,222	282	188	307	39	168	764	263	6,258	10.5	4,137
3,218	286	562	325	20	250	1,070	295	7,419	7.8	4,535
2,174	272	780	306	22	303	644	306	3,405	5.1	5,228
6,574	307	1,860	341	173	469	2,372	348	13,752	8.5	4,874
1,943	274	861	293	30	300	470	392	5,110	7.0	4,460
4,509	248	1,824	240	85	540	936	314	9,440	7.7	3,829
5,586	257	2,082	286	358	312	1,388	297	12,730	7.8	4,049
3,578	303	1,194	294	297	855	1,678	685	9,375	10.2	4,822
4,236	272	1,250	266	181	350	1,018	260	11,051	10.0	5,077
690	331	216	362	2	44	391	1,043	780	3.9	4,846
5,962	312	2,900	306	105	488	1,367	316	15,995	11.8	5,305
1,804	250	592	265	212	404	552	274	4,250	7.9	5,040
1,389	338	418	289	66	383	1,570	1,140	3,240	7.0	5,352
3,658	266	1,291	314	134	510	1,318	313	6,521	5.9	5,562
1,134	350	346	353	228	449	432	335	3,735	11.3	3,805

IOWA
TONS OF FERTILIZER



LEGEND

- B METROPOLITAN STATE ECONOMIC AREA
- 2 NONMETROPOLITAN STATE ECONOMIC AREA
- 1 DOT = 2,000 TONS

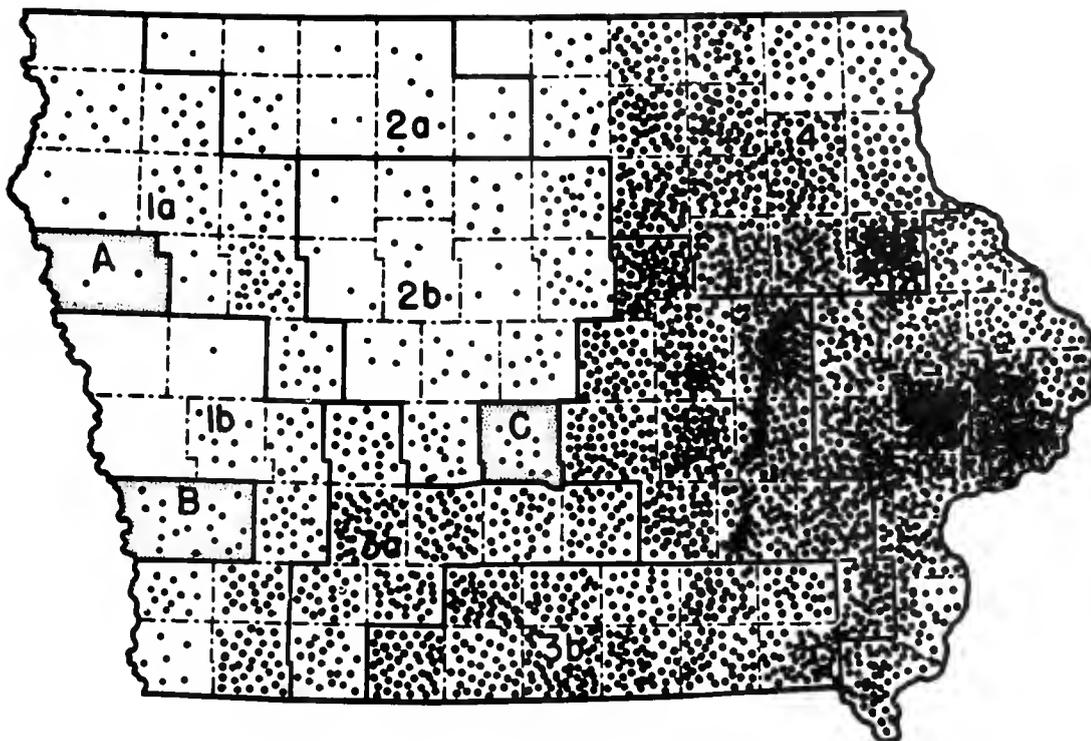
Map No. A54-466

Table 1.—USE OF FERTILIZER FOR SPECIFIED CROPS AND USE OF

State, economic area, and county	Fertilizer							
	All crops and all pasture fertilized		Hay and cropland pasture fertilized		Other pasture fertilized		All crops fertilized except hay	
	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)
1 Iowa, total	614,810	175	50,242	215	5,761	184	555,649	170
Area 1a:								
2 Buena Vista	10,696	223	1,847	288	35	275	8,689	210
3 Carroll	6,452	147	393	114	63	103	5,984	151
4 Cherokee	7,820	201	420	239	46	124	7,386	200
5 Ida	7,098	202	584	280	92	204	6,370	193
6 Lyon	5,143	176	607	211	36	178	4,467	169
7 O'Brien	6,764	174	520	202	58	198	6,157	170
8 Plymouth	9,632	162	751	183	160	162	8,787	159
9 Sac	7,552	177	1,000	304	28	94	6,464	166
10 Sioux	8,762	183	470	170	68	227	8,201	180
Area 1b:								
11 Audubon	3,388	152	136	138	28	93	3,214	150
12 Cass	3,623	141	145	154	79	165	3,358	140
13 Crawford	5,408	162	266	170	78	185	5,095	164
14 Fremont	7,884	158	326	150	52	152	7,487	158
15 Harrison	8,183	149	607	159	206	167	7,381	148
16 Mills	4,434	151	184	137	23	128	4,208	150
17 Monona	8,742	176	762	228	81	179	7,814	169
18 Montgomery	3,000	136	89	117	42	127	2,859	138
19 Page	4,618	170	328	159	84	145	4,138	167
20 Shelby	6,034	146	93	133	68	135	5,832	145
Metropolitan Area A:								
21 Woodbury	12,332	185	1,192	208	337	196	10,649	181
Metropolitan Area B:								
22 Pottawattamie	11,212	154	810	185	152	162	10,116	149
Area 2a:								
23 Clay	8,680	208	1,221	248	68	227	7,335	200
24 Dickinson	4,678	167	1,056	248	42	156	3,545	152
25 Emmet	7,925	183	1,622	237	85	175	6,174	172
26 Hancock	11,028	167	1,176	199	124	192	9,747	163
27 Kosciusko	16,662	160	3,429	203	201	127	12,922	154
28 Osceola	6,680	221	1,203	280	28	243	5,465	213
29 Palo Alto	8,600	165	1,368	234	84	150	7,156	155

Z 0.05 percent or less.

IOWA
TONS OF LIME



LEGEND

- B METROPOLITAN STATE ECONOMIC AREA
- 2 NONMETROPOLITAN STATE ECONOMIC AREA
- 1 DOT = 500 TONS

Map No. A54-407

LIME, BY ECONOMIC AREAS AND BY COUNTIES: CENSUS OF 1954—Continued

Fertilizer—Continued								Lime			
Specified crops fertilized		Specified crops fertilized		Fruits, vegetables, and potatoes fertilized		Other crops fertilized except hay		Acres limed	Percent of total cropland plus improved pasture	Quantity used per acre (pounds)	
Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)				
Orn 405,735	Orn 168	Wheat 3,730	Wheat 163	1,950	313	144,234	176	728,745	2.8	4,228	1
5,346	196	5	400	...	...	3,338	239	3,650	1.2	3,318	2
3,710	162	...	...	...	...	2,274	135	3,930	1.3	3,399	3
4,750	224	82	386	2	800	2,552	165	3,720	1.3	2,788	4
4,002	199	20	123	...	...	2,348	183	1,505	0.7	2,764	5
2,796	183	71	135	...	...	1,600	150	180	0.1	1,444	6
3,538	166	45	165	...	...	2,574	177	3,275	1.1	3,310	7
4,940	171	23	108	...	...	3,824	146	1,250	0.3	2,168	8
4,148	171	14	156	19	146	2,283	158	8,790	2.8	3,511	9
5,030	190	22	122	...	...	3,149	167	4,745	1.2	2,223	10
2,314	147	...	...	8	229	892	158	4,436	1.8	3,243	11
2,528	147	7	133	...	...	823	120	7,360	2.6	3,256	12
3,643	181	4	138	...	...	1,448	134	395	0.1	3,722	13
6,654	160	316	119	11	107	506	160	1,859	0.7	3,389	14
5,538	156	362	105	1	57	1,480	135	155	(2)	2,387	15
3,652	156	104	128	16	427	436	117	3,025	1.4	3,828	16
5,633	173	142	114	...	...	2,039	165	110	(2)	545	17
2,320	137	45	132	...	...	494	140	5,875	2.8	3,758	18
3,286	167	26	151	10	333	826	165	8,645	3.3	3,769	19
4,427	152	41	115	...	...	1,364	127	3,055	1.0	2,664	20
7,060	184	65	138	10	129	3,514	175	775	0.2	2,439	21
8,003	155	65	102	22	268	2,026	131	4,560	0.9	3,684	22
5,128	198	15	162	...	...	2,192	205	3,400	1.1	2,515	23
2,726	144	...	...	1	400	88	185	655	0.3	2,198	24
4,339	166	...	...	6	92	1,829	189	396	0.2	2,551	25
7,201	154	5	400	48	310	2,493	191	1,910	0.6	2,733	26
9,278	150	68	252	30	200	3,546	164	2,010	0.4	2,736	27
3,840	204	...	...	...	...	1,625	240	705	0.3	2,950	28
5,216	155	...	...	...	...	1,940	154	1,030	0.3	1,359	29

USE OF FERTILIZER AND LIME

Table 1.—USE OF FERTILIZER FOR SPECIFIED CROPS AND USE OF

State, economic area, and county	Fertilizer							
	All crops and all pasture fertilized		Hay and cropland pasture fertilized		Other pasture fertilized		All crops fertilized except hay	
	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)
Iowa—Continued								
Area 2b:								
1 Boone	6,809	175	463	172	12	267	6,331	175
2 Calhoun	6,000	165	769	199	26	151	5,206	162
3 Dallas	5,982	187	338	173	18	118	5,534	185
4 Franklin	11,202	160	508	160	48	101	10,429	156
5 Greene	8,904	194	322	198	61	153	8,515	193
6 Hamilton	6,780	185	546	185	34	283	6,107	184
7 Hardin	7,288	173	629	209	28	215	6,496	164
8 Humboldt	6,702	174	657	216	5	200	6,024	170
9 Pocahontas	8,590	170	983	202	183	232	7,383	164
10 Story	10,808	194	950	216	55	119	9,744	191
11 Webster	7,830	172	719	214	40	195	7,040	167
12 Wright	9,139	154	1,187	207	22	160	7,867	146
Metropolitan Area C:								
13 Polk	5,980	191	236	198	42	181	5,617	188
Area 3a:								
14 Adair	2,718	168	202	158	53	155	2,479	170
15 Adams	1,870	177	102	163	90	198	1,686	176
16 Guthrie	3,797	177	368	202	32	203	3,420	174
17 Madison	3,119	210	372	234	16	221	2,803	204
18 Marion	2,730	194	401	375	86	310	2,241	182
19 Taylor	2,509	185	300	271	64	492	2,183	176
20 Union	2,258	193	425	306	38	183	1,823	180
21 Warren	2,648	185	246	235	42	202	2,315	176
Area 3b:								
22 Appanoose	3,416	216	400	236	32	168	2,947	208
23 Clarke	1,776	167	205	200	24	185	1,528	161
24 Davis	3,216	164	394	233	38	249	2,886	156
25 Decatur	3,124	195	246	215	71	285	1,777	187
26 Jefferson	3,988	232	325	223	62	205	2,543	216
27 Lucas	2,437	202	452	327	151	405	1,838	176
28 Monroe	1,742	235	422	354	74	282	1,246	208
29 Ringgold	3,209	209	307	258	38	217	2,872	205
30 Van Buren	3,556	211	460	250	42	213	3,039	203
31 Wapello	2,534	213	140	147	48	189	2,344	215
32 Wayne	3,857	191	365	230	216	368	3,266	184
Area 4:								
33 Allamakee	2,872	136	106	139	22	176	2,714	134
34 Black Hawk	9,217	182	494	190	16	168	8,731	179
35 Bremer	6,925	167	496	279	20	145	6,393	161
36 Buchanan	9,502	161	416	215	12	267	9,088	159
37 Butler	8,408	156	408	128	8	300	7,930	154
38 Cerro Gordo	9,774	172	589	225	2	89	9,063	167
39 Chickasaw	6,684	144	132	185	...	...	6,548	142
40 Clayton	4,849	152	243	243	20	190	4,700	150
41 Delaware	7,772	148	478	231	48	295	7,219	140
42 Fayette	10,031	161	464	210	10	121	9,449	156
43 Floyd	7,944	162	274	218	78	335	7,513	158
44 Howard	5,982	143	243	302	39	138	5,624	138
45 Mitchell	9,120	160	136	162	37	168	8,982	159
46 Winnebago	7,407	171	626	189	20	200	6,686	164
47 Winneshiek	5,112	145	160	166	60	72	4,842	145
48 Worth	6,511	154	520	263	46	153	5,851	145
Area 5:								
49 Benton	8,710	173	620	221	56	166	8,019	169
50 Grundy	5,187	173	380	231	...	...	4,832	169
51 Henry	4,188	233	531	313	15	750	3,612	222
52 Iowa	4,210	220	598	320	44	374	3,574	207
53 Jasper	4,724	193	231	234	114	724	4,318	185
54 Keokuk	4,142	216	236	221	52	110	3,797	212
55 Mahaska	3,538	177	115	172	33	155	3,404	181
56 Marshall	5,476	181	162	161	6	171	5,277	180
57 Poweshiek	3,870	187	179	188	18	164	3,685	190
58 Tama	4,720	175	276	218	94	161	4,297	171
59 Washington	5,277	217	269	239	30	188	4,965	216
Area 6:								
60 Cedar	6,258	198	353	237	110	500	5,716	192
61 Clinton	10,871	189	264	213	30	182	10,563	188
62 Des Moines	4,979	205	211	211	93	138	4,789	207
63 Dubuque	5,398	153	200	185	46	144	5,093	151
64 Jackson	4,229	162	209	180	20	296	3,975	158
65 Johnson	4,762	224	320	186	62	214	4,382	224
66 Jones	7,518	179	448	226	37	247	6,923	173
67 Lee	6,499	218	450	267	66	275	5,887	210
68 Linn	9,442	163	833	218	68	159	8,537	156
69 Louisa	5,274	228	216	237	20	129	5,007	230
70 Muscatine	5,318	226	288	211	48	160	5,015	231
Metropolitan Area D:								
71 Scott	4,542	199	402	296	22	180	4,120	191

Z 0.05 or less.

USE OF FERTILIZER AND LIME

LIME, BY ECONOMIC AREAS AND BY COUNTIES: CENSUS OF 1954—Continued

Fertilizer—Continued								Lime		
Specified crops fertilized		Specified crops fertilized		Fruits, vegetables, and potatoes fertilized		Other crops fertilized except hay		Acres lined	Percent of total cropland plus improved pasture	Quantity used per acre (pounds)
Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)			
Corn	Corn	wheat	wheat							
3,783	131	20	174	10	313	2,518	166	2,525	0.9	3,026
5,160	161	18	212	2	160	2,026	163	1,035	0.3	3,053
3,904	193	5	200	...	...	1,625	168	5,030	1.8	3,483
2,841	156	5	80	155	...	2,528	158	5,095	1.6	4,236
5,211	205	158	186	...	...	3,146	177	935	0.3	4,214
3,968	181	...	...	...	...	2,139	190	1,105	0.4	2,851
4,486	164	...	...	12	282	1,998	166	5,010	1.8	3,303
4,360	173	...	...	...	...	1,664	165	1,315	0.5	3,331
4,947	158	...	...	40	390	2,396	175	640	0.2	3,234
6,596	194	...	...	90	288	3,058	184	3,545	1.2	3,072
4,998	168	...	...	...	...	2,042	166	2,275	0.6	1,908
5,913	139	...	...	40	246	1,914	172	1,760	0.6	3,778
4,643	194	20	167	46	144	1,508	175	3,690	1.5	2,425
1,749	183	10	160	...	...	720	144	12,314	4.8	3,386
1,110	164	6	141	...	...	512	192	6,320	3.9	3,671
2,116	173	8	110	2	400	1,294	176	7,105	2.8	3,988
1,940	203	30	152	25	833	808	204	10,710	5.4	3,719
1,693	178	12	87	...	...	536	201	9,835	4.6	3,564
1,504	185	62	218	1	400	616	156	5,996	2.9	3,424
1,051	170	30	293	...	...	742	197	8,760	5.5	3,508
1,663	173	15	171	...	...	637	183	8,105	3.7	3,713
2,124	204	18	131	1	400	804	223	10,410	5.5	4,415
1,012	158	30	94	...	...	486	173	9,630	6.8	4,051
1,650	140	82	225	1	400	1,144	183	7,945	4.6	4,671
1,184	185	12	192	...	...	581	190	10,622	6.3	3,182
1,780	219	21	233	2	800	740	210	6,250	3.7	4,507
1,117	181	12	160	133	133	708	169	9,587	6.6	3,135
886	216	...	...	...	...	360	190	8,747	6.3	2,784
1,730	217	103	224	1	400	1,038	185	12,888	6.2	3,595
1,963	196	203	234	18	240	856	210	10,335	7.2	4,515
1,564	207	8	97	20	182	752	238	9,813	6.6	3,901
2,350	191	...	...	...	...	916	168	10,030	4.8	4,832
2,400	132	14	175	...	...	300	156	4,855	2.6	4,457
6,513	167	2	267	28	105	2,188	231	11,409	4.2	5,136
5,497	156	...	...	4	100	892	198	7,000	3.4	5,569
7,566	157	11	152	14	326	1,497	167	12,097	4.4	5,081
6,679	152	...	...	...	...	1,251	164	11,320	4.0	4,710
7,866	163	51	143	28	303	1,118	198	2,745	0.9	4,084
5,874	139	...	...	...	...	674	173	8,425	3.6	5,320
4,002	149	20	174	...	...	678	159	8,400	2.9	5,323
5,888	132	10	182	18	600	1,314	188	14,965	5.4	5,385
8,075	155	15	105	3	109	1,376	164	13,225	4.0	4,641
6,062	155	14	112	33	181	1,464	174	9,375	3.7	4,977
5,160	136	18	212	...	...	446	155	6,230	2.7	4,958
7,269	153	82	278	332	685	1,299	188	8,675	3.5	4,497
4,926	149	60	142	295	369	1,405	219	107	(2)	3,238
4,198	141	35	175	1	400	608	176	5,490	1.8	4,534
5,147	146	5	200	5	182	694	142	1,425	0.7	4,702
5,354	162	9	277	130	213	2,526	183	20,570	5.6	4,707
3,830	171	...	...	8	291	994	161	13,335	4.9	4,508
2,404	205	48	177	13	248	1,147	272	11,040	6.2	4,262
2,750	228	...	...	...	...	824	159	13,260	4.5	4,772
3,192	195	...	...	...	...	1,126	163	16,078	4.8	3,802
2,628	212	10	200	...	...	1,159	214	16,572	6.5	3,785
2,414	187	9	95	4	145	977	169	12,120	4.9	4,231
3,536	178	5	222	...	...	1,736	184	10,300	3.6	4,104
2,622	198	7	117	...	...	1,056	171	16,301	5.6	4,027
3,020	174	...	...	10	167	1,267	165	15,650	4.4	4,142
3,576	216	12	178	1	400	1,376	218	13,608	5.2	4,673
4,578	189	...	...	...	...	1,138	207	22,920	7.8	4,597
8,759	184	22	303	...	...	1,782	216	16,755	4.8	5,044
3,338	202	266	249	31	282	1,154	214	6,365	4.1	4,352
4,171	148	15	200	2	133	905	165	9,500	3.8	4,363
3,434	152	...	...	...	...	541	206	9,605	4.1	5,073
2,948	204	41	142	2	200	1,391	279	19,259	6.6	4,479
5,461	169	22	463	8	195	1,432	188	11,240	4.2	5,475
4,281	201	298	246	62	954	1,246	227	9,032	5.2	5,271
6,412	161	10	250	59	694	2,056	140	13,890	4.4	5,078
3,362	216	48	178	50	417	1,547	267	8,857	5.2	4,451
3,312	205	52	242	168	425	1,483	298	11,800	5.9	4,879
2,792	160	26	693	90	643	1,212	308	14,490	6.7	4,637

USE OF FERTILIZER AND LIME

Table 1.—USE OF FERTILIZER FOR SPECIFIED CROPS AND USE OF

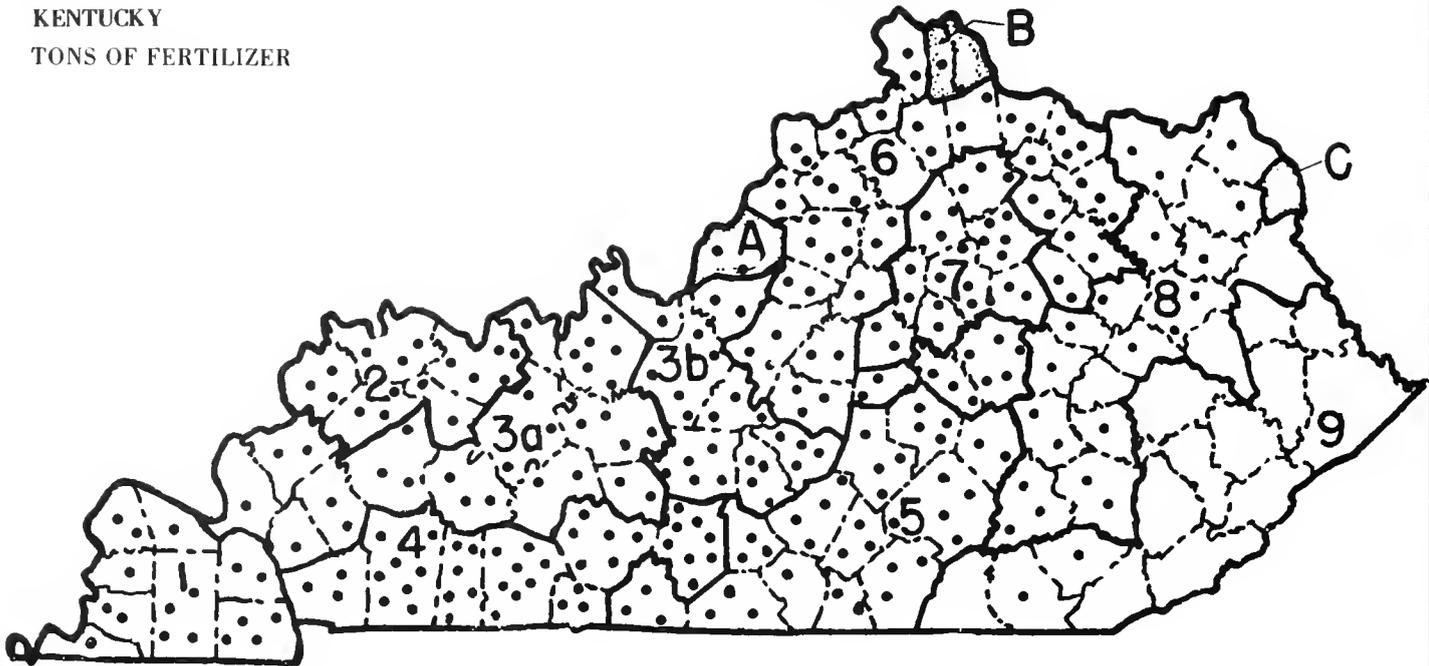
State, economic area, and county	Fertilizer							
	All crops and all pasture fertilized		Hay and cropland pasture fertilized		Other pasture fertilized		All crops fertilized except hay	
	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)
Kansas—Continued								
Area 2b:								
1 Ellis	24	132	5	182	3	400	16	109
2 Ellsworth	734	76	63	59	...	...	670	78
3 Lincoln	708	111	48	160	...	210	606	103
4 Mitchell	1,406	94	112	120	21	98	1,270	93
5 Osborne	477	183	28	175	...	...	446	173
6 Rooks	20	80	2	89	...	...	17	75
7 Russell	223	117	6	133	...	...	218	117
Area 3a:								
8 Harper	1,365	75	88	121	25	81	1,228	71
9 Harvey	3,595	94	296	160	34	78	3,276	91
10 Kingman	2,222	78	169	110	30	65	2,024	75
11 McPherson	3,486	87	147	111	23	164	3,304	95
12 Reno	4,969	84	374	106	26	90	4,582	84
13 Rice	2,199	82	91	141	4	82	2,102	80
14 Sumner	5,904	85	321	189	...	...	5,564	83
Metropolitan Area A:								
15 Sedgwick	4,118	97	300	113	67	91	3,687	95
Area 3b:								
16 Clay	3,304	97	80	113	8	364	3,174	95
17 Cloud	1,508	100	68	108	...	...	1,420	98
18 Dickinson	4,148	99	286	160	...	85	3,829	95
19 Marion	6,700	95	428	152	37	98	6,154	91
20 Ottawa	2,306	91	67	90	18	89	2,228	92
21 Saline	2,067	91	36	114	6	94	2,002	90
Area 4:								
22 Jewell	1,119	97	65	145	24	600	1,038	94
23 Marshall	5,527	130	307	229	50	144	5,139	126
24 Norton	279	100	19	203	1	200	260	96
25 Phillips	306	142	22	91	...	...	285	149
26 Republic	2,339	111	90	152	28	126	2,230	110
27 Smith	584	94	15	83	8	64	561	94
28 Washington	4,574	121	241	151	18	138	4,275	117
Area 5:								
29 Butler	5,838	103	777	141	105	143	4,890	96
30 Chase	1,188	136	150	196	12	300	1,013	128
31 Chautauqua	1,418	148	247	159	120	331	1,047	137
32 Cowley	5,671	105	434	117	15	150	5,168	103
33 Elk	1,484	130	235	148	28	308	1,202	122
34 Geary	1,370	118	138	193	5	200	1,221	111
35 Greenwood	2,805	143	435	221	178	203	2,196	132
36 Lyon	3,770	138	279	147	23	65	3,470	141
37 Morris	3,048	127	247	146	30	211	2,767	126
38 Pottawatomie	2,941	135	181	233	28	204	2,714	131
39 Riley	1,825	151	152	152	34	226	1,620	149
40 Wabaunsee	2,045	125	251	160	12	166	1,773	120
Area 6:								
41 Atchison	2,708	117	264	156	56	160	2,353	111
42 Brown	4,742	139	522	163	80	135	4,153	137
43 Doniphan	4,134	173	322	194	219	209	3,580	169
44 Douglas	3,838	162	718	186	281	284	2,843	151
45 Jackson	4,067	140	498	185	49	105	3,520	135
46 Jefferson	3,981	118	422	148	61	169	3,429	114
47 Leavenworth	3,799	140	351	132	118	145	3,330	140
48 Nemaha	4,934	154	460	184	76	161	4,300	145
49 Shawnee	4,358	139	295	180	61	144	4,014	137
Metropolitan Area B:								
50 Johnson	4,235	155	808	166	437	157	2,947	150
51 Wyandotte	922	222	74	169	32	291	820	227
Area 7a:								
52 Allen	4,632	137	538	161	78	129	3,994	134
53 Anderson	5,142	141	486	140	96	136	4,513	139
54 Bourbon	4,030	138	412	187	54	212	3,546	134
55 Coffey	3,369	133	224	160	40	186	3,053	130
56 Franklin	3,702	138	460	148	142	132	3,055	136
57 Linn	4,626	144	390	165	48	192	4,180	143
58 Miami	6,068	135	630	161	244	152	5,174	130
59 Osage	3,608	143	274	175	81	165	3,205	136
60 Woodson	2,779	145	532	203	34	113	2,189	137
Area 7b:								
61 Cherokee	7,215	137	300	229	53	133	6,834	135
62 Crawford	5,954	132	164	78	78	186	5,653	131
63 Labette	7,575	129	409	191	118	161	7,126	125
64 Montgomery	5,026	134	508	153	48	226	4,465	132
65 Neosho	6,416	125	544	147	211	103	5,593	123
66 Wilson	4,601	130	499	191	103	218	4,022	124

Z 0.05 percent or less.

LIME, BY ECONOMIC AREAS AND BY COUNTIES: CENSUS OF 1954—Continued

Fertilizer—Continued								Lime		
Specified crops fertilized		Specified crops fertilized		Fruits, vegetables, and potatoes fertilized		Other crops fertilized except hay		Acres limed	Percent of total cropland plus improved pasture	Quantity used per acre (pounds)
Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)			
Conn	Conn	Wheat	Wheat							
...	...	...	...	5	455	11	83	...	...	...
9	84	520	75	...	...	132	97	70	(2)	4,000
39	111	441	100	...	...	126	116	405	0.2	2,716
41	99	1,028	93	...	...	201	89	...	...	...
88	164	328	188	...	...	30	101	...	...	...
2	42	9	69	...	...	...	120	...	...	...
1	167	155	118	...	...	62	114	...	...	...
8	103	891	67	...	...	329	86	3,270	1.0	3,383
304	103	2,103	91	...	...	869	86	2,075	0.8	2,487
82	108	1,229	72	1	100	712	79	2,867	0.8	3,355
189	89	2,544	84	1	200	570	92	1,375	0.3	4,291
45	133	3,189	84	20	320	1,328	83	1,431	0.2	3,421
34	93	1,340	75	...	...	678	92	915	0.3	3,596
126	131	4,496	79	10	133	932	104	5,280	1.0	3,616
250	114	2,607	89	42	840	788	107	3,107	0.7	3,976
479	101	2,360	94	...	...	326	100	2,797	1.1	2,559
186	102	1,118	99	...	...	116	84	200	0.1	4,350
304	102	2,903	91	12	91	610	115	2,757	0.8	4,104
482	105	4,185	90	6	120	1,481	92	2,790	0.8	4,140
27	141	1,999	91	...	...	202	96	860	0.4	3,898
68	88	1,429	77	1	1,000	504	167	703	0.3	1,724
131	103	767	89	...	...	140	120	...	...	...
1,804	133	2,830	118	...	...	505	141	3,325	1.0	4,469
123	98	84	78	...	...	53	146	...	...	...
139	157	135	150	...	...	11	85	...	...	...
616	109	1,320	105	...	...	294	153	551	0.2	5,064
140	109	349	92	...	...	72	81	...	...	...
1,219	120	2,606	115	...	...	450	126	4,633	1.4	3,130
327	114	2,374	98	...	...	2,189	91	3,965	1.3	3,648
74	203	552	124	...	...	387	125	2,185	2.8	3,832
47	126	513	137	...	...	487	137	1,112	1.4	4,068
158	121	3,562	104	5	125	1,443	100	2,803	1.0	3,555
51	98	477	126	...	...	674	122	2,711	2.8	3,861
150	120	837	108	1	400	233	120	419	0.4	3,967
356	129	982	136	1	400	857	130	2,213	1.4	3,549
533	116	1,822	149	5	143	1,110	142	4,978	2.0	3,479
225	107	2,020	132	...	...	522	116	1,856	1.0	5,033
815	122	1,525	134	2	160	372	145	1,249	0.6	3,366
428	170	913	138	34	618	245	149	1,634	1.1	5,196
319	156	1,113	114	...	...	341	112	1,983	1.2	3,870
774	110	1,075	114	...	...	504	107	5,263	3.1	4,211
1,914	137	1,292	133	...	...	947	141	4,645	1.8	3,973
2,523	170	470	157	72	182	515	171	3,604	2.3	3,942
967	156	1,186	152	2	114	688	142	3,521	2.2	3,838
830	125	1,950	136	...	...	740	144	5,210	2.2	3,631
1,180	115	1,590	111	...	...	659	123	5,705	2.9	4,313
1,494	147	1,126	133	36	369	674	134	1,515	1.0	4,990
1,361	128	1,933	161	16	142	990	141	3,387	1.2	3,306
1,309	136	1,988	134	15	182	702	143	2,330	1.2	4,718
1,144	157	1,064	158	98	431	641	119	4,530	3.2	4,342
281	242	185	179	278	275	76	191	740	2.6	3,595
945	126	1,356	136	4	1,600	1,689	136	4,771	2.6	4,127
464	133	2,010	151	1	100	2,038	131	3,127	1.7	4,305
482	124	1,195	140	13	2,600	1,856	133	3,664	2.1	3,990
639	122	1,202	134	...	...	1,212	131	4,010	1.9	5,538
638	125	1,272	139	4	1,600	1,141	138	8,567	4.6	4,091
623	137	1,625	142	16	178	1,916	145	12,006	7.1	3,527
1,810	116	1,790	145	22	138	1,552	133	5,135	2.6	4,189
440	133	1,772	142	2	800	991	128	3,284	1.5	4,613
526	140	796	136	14	431	853	134	1,375	1.2	4,065
935	139	3,821	139	...	...	2,078	127	6,135	3.0	4,497
1,334	124	2,282	140	5	2,000	2,032	125	6,665	3.3	4,421
526	116	3,802	126	16	914	2,782	125	6,012	2.6	3,901
538	126	2,227	136	...	...	1,700	130	4,035	2.2	3,880
1,189	124	2,335	120	10	333	2,059	126	6,322	3.0	4,565
640	116	1,882	124	13	76	1,487	129	3,475	2.1	3,830

KENTUCKY
TONS OF FERTILIZER



LEGEND

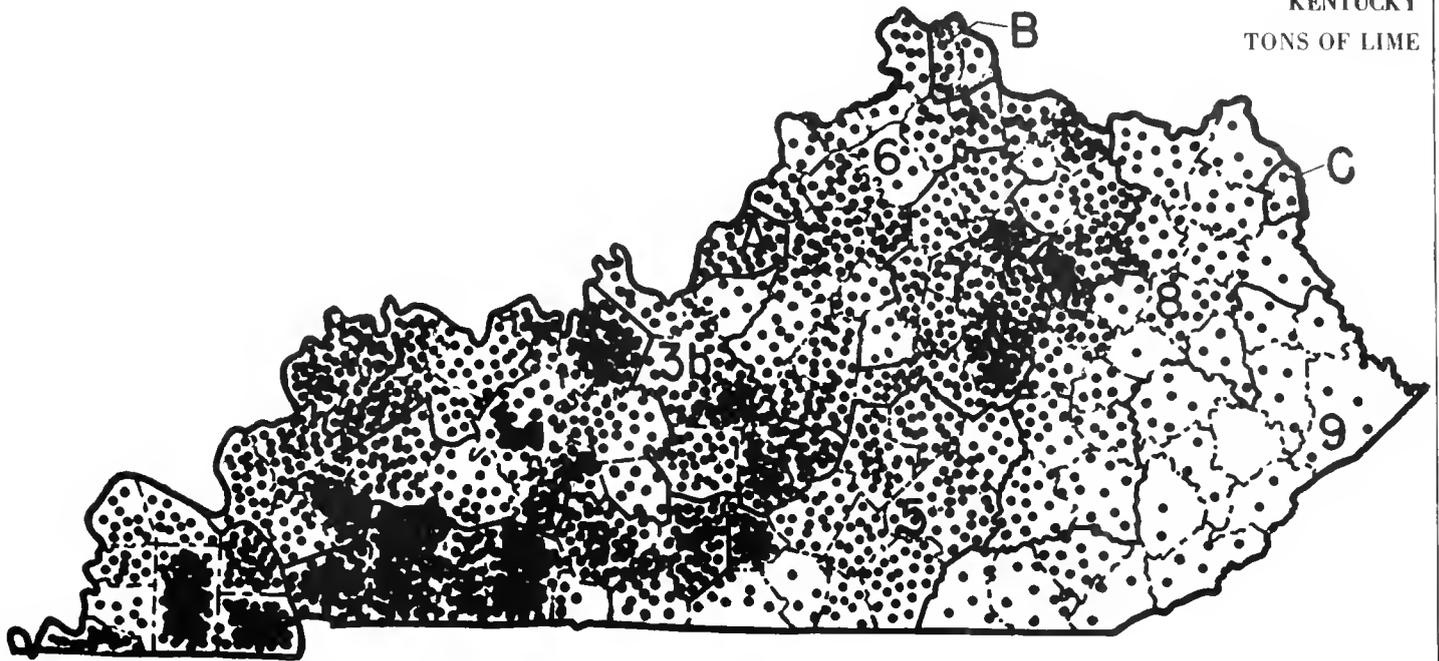
B	METROPOLITAN STATE ECONOMIC AREA
2	NONMETROPOLITAN STATE ECONOMIC AREA
1 DOT = 2,000 TONS	

Map No. A54-416

Table 1.—USE OF FERTILIZER FOR SPECIFIED CROPS AND USE OF

State, economic area, and county	Fertilizer							
	All crops and all pasture fertilized		Hay and cropland pasture fertilized		Other pasture fertilized		All crops fertilized except hay	
	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)
1 Kentucky, total.....	557,235	403	94,625	321	14,231	298	445,016	427
Area 1:								
2 Ballard	3,354	269	938	276	14	140	2,387	271
3 Calloway	7,600	278	778	238	133	345	6,660	282
4 Carlisle	1,227	196	106	362	18	300	1,084	184
5 Fulton	2,278	261	226	340	8	178	2,008	250
6 Graves	8,762	244	1,064	236	106	199	7,461	240
7 Hickman	3,239	225	409	224	156	282	2,671	222
8 McCracken	2,072	243	464	229	92	216	1,498	246
9 Marshall	3,192	192	483	209	82	223	2,609	191
Area 2:								
10 Daviess	9,662	342	1,049	327	99	471	8,441	344
11 Henderson	5,739	206	798	265	21	323	4,842	194
12 McLean	4,660	271	401	315	65	338	4,141	264
13 Union	6,122	234	1,118	366	98	212	4,910	218
14 Webster	5,386	240	731	246	226	362	4,403	232
Area 3a:								
15 Breckinridge	11,750	439	2,682	363	303	308	8,714	466
16 Butler	4,845	268	428	294	237	398	4,176	261
17 Caldwell	3,594	267	468	286	38	447	3,147	268
18 Crittenden	3,120	225	742	305	186	384	2,163	201
19 Edmonson	4,254	338	761	311	2	160	3,489	339
20 Grayson	7,830	349	1,394	375	150	420	6,245	343
21 Hancock	2,233	360	162	235	137	583	1,910	359
22 Hopkins	5,430	249	640	281	63	202	4,689	242
23 Livingston	1,791	198	420	261	60	163	1,310	186
24 Lyon	2,593	258	344	210	10	182	2,246	268
25 Muhlenberg	5,973	282	952	324	312	405	4,690	270
26 Ohio	6,545	257	784	293	323	300	5,359	247
Area 3b:								
27 Bullitt	3,126	360	1,087	344	52	371	1,925	353
28 Green	7,510	434	1,123	385	211	447	6,250	447
29 Harlan	9,737	332	2,008	336	162	296	7,537	332
30 Hart	9,460	472	1,728	374	259	346	7,420	498
31 Laramie	6,560	370	1,092	313	48	398	5,376	379
32 Meade	4,840	340	918	274	70	259	3,787	360
33 Taylor	7,883	436	1,549	320	86	430	6,221	475

KENTUCKY
TONS OF LIME



LEGEND

- B METROPOLITAN STATE ECONOMIC AREA
- 2 NONMETROPOLITAN STATE ECONOMIC AREA
- 1 DOT = 500 TONS

Map No. A54-417

LIME, BY ECONOMIC AREAS AND BY COUNTIES: CENSUS OF 1954—Continued

Fertilizer—Continued								Lime			
Specified crops fertilized		Specified crops fertilized		Fruits, vegetables, and potatoes fertilized		Other crops fertilized except hay		Acres limed	Percent of total cropland plus improved pasture	Quantity used per acre (pounds)	
Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)				
Corn 212,396	Corn 275	Tobacco 186,265	Tobacco 1,425	7,767	724	38,588	298	593,959	5.6	3,653	1
1,677	214	634	1,053	6	400	70	209	3,129	3.3	3,489	2
3,850	219	1,806	828	40	640	964	254	12,495	9.9	3,579	3
954	171	118	508	2	160	10	143	2,755	3.9	3,615	4
1,184	239	12	533	19	691	793	263	5,325	6.2	3,123	5
5,091	191	1,896	742	41	304	433	241	20,680	9.0	3,147	6
1,963	209	92	736	2	400	614	246	5,845	5.8	3,783	7
920	194	296	946	100	702	182	208	2,995	4.4	3,529	8
2,135	172	272	735	64	800	138	162	8,935	10.1	3,099	9
5,576	272	2,352	914	20	889	493	347	6,035	3.3	3,258	10
3,981	177	498	669	34	378	329	204	11,281	6.0	3,405	11
2,801	219	738	906	12	1,200	590	284	3,631	3.9	3,651	12
3,656	211	26	1,238	2	400	1,226	239	8,738	6.4	3,666	13
3,361	212	392	716	20	348	630	251	10,235	8.1	3,301	14
4,579	325	3,030	1,658	45	900	1,060	387	11,205	6.0	4,346	15
3,539	237	362	1,341	74	705	201	307	6,670	6.7	4,138	16
2,137	215	492	920	8	533	510	405	18,240	15.8	3,549	17
1,941	196	26	452	6	343	190	243	7,860	6.9	3,399	18
2,220	260	742	1,455	119	780	408	376	1,900	2.5	4,353	19
3,845	256	1,224	1,258	100	784	1,076	514	4,805	3.0	4,125	20
1,120	254	732	1,068	4	800	54	251	4,575	10.2	3,178	21
3,672	214	457	800	20	381	540	332	10,055	8.2	3,239	22
1,235	186	2	800	1	400	72	185	6,977	6.0	2,999	23
1,546	221	398	1,118	128	1,261	174	183	3,889	6.8	2,799	24
3,449	236	704	881	77	890	460	247	5,430	5.5	3,108	25
4,084	206	918	1,157	66	880	291	292	10,655	8.4	3,129	26
1,145	295	451	1,244	41	656	288	251	1,175	2.6	5,489	27
3,066	282	2,686	1,434	18	360	480	403	6,765	6.8	5,027	28
4,328	274	1,540	1,406	43	860	1,426	285	6,267	3.2	3,824	29
3,512	291	3,626	1,628	35	1,167	247	413	6,210	4.6	4,103	30
3,216	309	1,287	1,687	63	442	810	281	6,710	7.1	4,271	31
2,116	310	620	1,558	27	720	1,024	314	2,630	2.9	3,608	32
3,062	352	2,137	1,474	41	607	981	339	6,320	6.4	3,671	33

USE OF FERTILIZER AND LIME

Table 1.—USE OF FERTILIZER FOR SPECIFIED CROPS AND USE OF

State, economic area, and county	Fertilizer								
	All crops and all pasture fertilized		Hay and cropland pasture fertilized		Other pasture fertilized		All crops fertilized except hay		
	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	
Kentucky—Continued									
Area 4:									
1	Barren	16,931	429	3,102	322	258	259	13,356	459
2	Christian	15,704	329	2,067	317	214	233	13,248	336
3	Logan	15,303	357	2,355	331	516	349	12,401	360
4	Simpson	6,962	314	652	281	144	282	6,070	312
5	Todd	11,751	336	1,884	311	174	395	9,502	340
6	Trigg	5,027	259	642	240	66	311	4,298	254
7	Warren	12,398	308	3,132	285	258	248	8,971	317
Area 5:									
8	Adair	7,592	371	1,061	302	286	296	6,221	381
9	Allen	5,862	276	966	258	55	275	4,841	283
10	Casey	7,706	445	1,632	274	232	286	5,733	546
11	Clinton	4,102	422	1,437	336	20	200	2,616	490
12	Cumberland	2,538	362	373	278	50	137	2,118	399
13	Lincoln	7,380	499	1,642	377	414	329	5,255	573
14	Metcalfe	6,272	420	1,180	346	98	250	4,933	439
15	Monroe	6,176	351	794	274	618	412	4,738	366
16	Pulaski	10,951	416	2,986	307	194	238	7,710	490
17	Rockcastle	3,432	492	575	331	57	543	2,804	552
18	Russell	6,778	456	2,008	352	276	323	4,515	542
19	Wayne	6,084	425	1,490	306	206	277	4,410	495
Area 6a:									
20	Anderson	2,386	872	162	480	111	324	2,100	1,013
21	Bath	4,668	691	634	409	87	515	3,862	781
22	Boone	3,326	399	504	367	86	208	2,720	411
23	Boyle	4,480	495	1,012	334	458	270	3,006	695
24	Bracken	4,036	1,207	214	556	64	492	3,732	1,289
25	Carroll	2,441	783	254	450	25	179	2,116	876
26	Fleming	6,594	691	898	404	92	242	5,560	799
27	Franklin	3,924	590	808	301	150	201	2,911	900
28	Gallatin	1,460	1,016	47	470	45	900	1,369	1,063
29	Garrard	5,876	798	1,403	974	117	387	4,348	767
30	Grant	4,219	1,190	550	579	80	696	3,540	1,419
31	Henry	6,702	695	914	362	253	449	5,634	853
32	Madison	9,984	576	1,620	217	346	266	7,999	936
33	Marion	5,930	468	720	269	183	275	5,019	541
34	Mason	5,512	706	988	377	58	516	4,431	869
35	Montgomery	4,336	788	527	396	78	363	3,668	940
36	Nelson	5,752	391	849	282	219	216	4,608	417
37	Nicholas	3,036	1,097	1,097	278	52	630	2,700	1,274
38	Oldham	3,994	398	1,103	366	68	432	2,811	408
39	Owen	5,006	1,312	258	455	45	545	4,609	1,468
40	Pendleton	3,286	946	334	411	72	457	2,858	1,145
41	Robertson	1,579	1,089	122	436	5	167	1,441	1,278
42	Shelby	10,090	622	2,098	369	178	293	7,805	786
43	Spencer	4,020	587	542	373	102	464	3,389	654
44	Trimble	3,882	605	716	375	45	281	3,099	703
45	Washington	4,492	636	405	356	54	812	3,991	676
Metropolitan Area A:									
46	Jefferson	4,688	362	1,106	275	220	252	3,342	413
Metropolitan Area B:									
47	Campbell	718	516	210	525	8	533	500	506
48	Kenton	1,222	584	190	339	26	289	1,003	694
Area 7:									
49	Bourbon	10,361	662	2,149	290	10	500	8,132	981
50	Clark	4,429	629	649	270	194	206	3,601	970
51	Fayette	7,997	656	866	236	636	296	6,315	995
52	Harrison	6,442	974	914	469	175	341	5,280	1,276
53	Jessamine	3,865	748	315	351	42	163	3,473	865
54	Mercer	4,032	575	506	323	94	320	3,443	669
55	Scott	6,522	728	940	268	90	379	5,436	1,018
56	Woodford	4,968	588	1,195	419	155	113	3,613	860
Area 8:									
57	Carter	2,988	593	521	328	42	365	2,395	719
58	Clay	3,226	634	454	396	10	400	2,740	694
59	Elliott	1,621	665	146	261	35	400	1,411	771
60	Estill	1,586	544	218	349	138	563	1,209	583
61	Greene	2,248	478	356	426	160	360	1,726	503
62	Jackson	4,534	527	1,310	358	218	347	3,004	709
63	Laurel	5,950	507	1,786	324	173	315	3,941	691
64	Lawrence	922	373	334	358	64	223	520	410
65	Lee	665	390	94	227	2	800	567	441
66	Lewis	4,756	614	776	403	98	259	3,860	706
67	Magoffin	648	570	31	413	...	...	617	578
68	Menifee	1,615	681	230	374	10	364	1,376	794
69	Morgan	4,451	723	588	454	58	407	3,742	791
70	Owsley	1,330	649	68	406	15	503	1,251	684
71	Powell	1,028	413	193	331	18	514	804	430
72	Rowan	1,708	522	424	384	8	356	1,282	587
73	Wolfe	1,460	708	214	410	25	667	1,227	809

USE OF FERTILIZER AND LIME

LIME, BY ECONOMIC AREAS AND BY COUNTIES: CENSUS OF 1954—Continued

Fertilizer—Continued								Lime				
Specified crops fertilized		Specified crops fertilized		Fruits, vegetables, and potatoes fertilized		Other crops fertilized except hay		Acres limed	Percent of total cropland plus improved pasture	Quantity used per acre (pounds)		
Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)					
Corn	7,042	399	Tobacco	5,415	46	1,070	853	365	10,470	4.9	3,926	1
	7,220	265		1,105	50	909	2,627	290	31,170	12.4	3,930	2
	6,491	294		3,368	1,133	643	2,468	267	18,414	9.1	4,431	3
	3,053	264		947	22	880	1,714	264	4,155	3.5	3,639	4
	3,370	294		1,881	930	70	1,273	288	11,065	7.8	3,467	5
	2,728	195		1,170	857	14	1,867	240	15,165	13.5	3,520	6
	5,215	243		2,070	1,190	130	1,083	309	12,420	5.7	3,731	7
	3,430	269		1,955	1,328	58	829	778	4,670	3.7	4,126	8
	2,776	210		1,370	1,066	52	462	643	3,410	2.9	4,326	9
	2,561	320		2,837	1,684	108	1,200	227	7,045	6.6	4,096	10
	1,478	341		884	1,624	110	1,000	144	1,815	3.3	4,209	11
	1,074	239		986	1,394	27	982	31	1,244	2.2	3,431	12
	2,560	377		2,455	1,404	66	1,257	174	5,045	4.5	4,059	13
	2,324	260		2,184	1,457	37	925	388	6,990	7.1	3,878	14
	2,786	257		1,532	1,411	114	1,854	306	1,959	2.1	4,012	15
	3,708	320		2,992	1,762	314	800	696	7,325	4.2	4,190	16
	1,323	334		1,328	1,632	54	939	99	2,449	3.9	4,367	17
	2,221	360		1,709	1,871	356	596	229	3,900	5.3	3,779	18
	2,324	370		1,384	1,822	128	1,045	574	5,550	7.8	3,951	19
	416	396		1,668	1,498	...	...	16	1,555	4.5	4,675	20
	1,463	400		2,656	1,350	18	1,029	25	4,870	5.7	4,156	21
	1,367	279		1,053	1,289	80	941	220	3,888	5.5	2,503	22
	899	331		2,037	1,513	20	800	50	2,980	4.9	4,138	23
	424	485		3,224	1,837	14	350	70	2,255	2.7	5,038	24
	609	425		1,499	1,541	8	800	...	1,680	3.6	2,810	25
	1,986	472		3,472	1,504	20	320	82	5,180	4.5	3,761	26
	404	315		2,388	1,521	5	500	114	5,240	6.7	3,023	27
	326	447		1,642	1,877	...	400	...	590	2.5	4,051	28
	1,158	355		2,984	1,454	18	1,200	188	3,987	3.5	2,719	29
	488	612		3,021	1,823	16	640	15	2,760	3.3	3,754	30
	1,673	411		3,852	1,698	17	2,267	92	5,105	4.7	3,256	31
	2,606	508		5,151	1,721	70	1,045	172	12,775	8.7	3,795	32
	2,121	312		2,542	1,727	26	1,040	330	5,043	4.6	5,158	33
	1,171	450		3,215	1,393	...	...	45	5,630	5.1	3,444	34
	814	422		2,797	1,549	12	1,600	45	12,880	19.7	2,722	35
	2,242	284		1,689	1,499	63	788	614	3,595	2.5	3,469	36
	250	475		2,370	1,560	5	2,000	75	1,071	1.5	5,393	37
	1,842	378		558	1,409	12	800	399	2,765	4.8	4,007	38
	466	545		4,122	1,830	16	711	5	500	1.3	2,934	39
	454	433		2,382	1,663	...	...	22	5,440	6.4	2,965	40
	107	441		1,314	1,550	...	...	20	533	3.05	4,066	41
	2,404	414		5,003	1,567	34	1,943	364	6,307	3.4	4,362	42
	1,438	403		1,883	1,456	4	533	64	2,720	3.6	3,533	43
	1,030	420		1,538	1,788	252	794	279	1,180	3.4	3,805	44
	1,185	327		2,724	1,422	8	3,200	74	5,136	4.2	3,305	45
	1,758	346		234	1,614	704	681	646	5,022	5.9	4,466	46
	190	309		220	1,189	54	675	36	875	3.8	3,703	47
	273	296		630	1,527	85	1,030	15	2,980	6.8	2,581	48
	1,908	502		5,842	1,601	2	400	380	9,650	6.6	3,749	49
	744	418		2,800	1,568	4	2,667	53	5,395	4.7	4,159	50
	1,343	532		4,739	1,532	65	481	168	5,473	4.1	3,822	51
	709	523		4,554	1,650	2	800	15	4,690	4.6	3,661	52
	733	384		2,708	1,303	2	800	30	3,390	4.0	3,224	53
	949	320		2,404	1,216	64	985	26	1,283	1.2	3,580	54
	578	476		4,612	1,584	24	1,920	222	3,580	3.0	3,850	55
	344	497		3,114	1,287	1	400	154	3,372	4.8	3,437	56
	886	395		1,383	1,582	68	1,088	58	3,245	4.1	3,048	57
	1,187	410		1,330	1,715	209	862	14	3,404	3.9	2,969	58
	442	370		930	1,590	37	822	2	1,070	3.3	5,047	59
	536	345		614	1,341	54	900	5	2,000	8.3	3,926	60
	886	323		678	1,577	102	756	60	1,505	3.6	3,621	61
	1,276	424		1,430	1,599	246	984	52	2,800	4.5	3,838	62
	1,667	415		1,715	1,777	414	957	145	4,450	4.8	3,166	63
	259	258		200	1,347	60	517	1	1,685	5.0	2,736	64
	391	362		130	1,140	37	448	9	1,980	7.9	2,959	65
	1,435	367		2,214	1,824	154	586	57	3,015	5.5	4,314	66
	264	340		341	1,229	10	1,333	2	1,235	4.1	3,336	67
	526	473		756	1,652	19	950	75	695	2.9	4,835	68
	1,554	471		2,132	1,573	42	800	14	2,380	3.1	4,056	69
	398	313		800	1,633	41	863	12	1,305	3.6	4,238	70
	393	259		400	1,244	10	500	1	3,610	14.5	2,743	71
	608	350		612	1,749	32	790	30	1,584	5.2	4,952	72
	474	462		714	1,632	20	800	19	425	0.9	2,047	73

USE OF FERTILIZER AND LIME

Table 1.—USE OF FERTILIZER FOR SPECIFIED CROPS AND USE OF

State, economic area, and county	Fertilizer							
	All crops and all pasture fertilized		Hay and cropland pasture fertilized		Other pasture fertilized		All crops fertilized except hay	
	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)
Kentucky—Continued								
1 Metropolitan Area C:								
Boyd	771	217	223	242	202	130	342	315
2 Area Q:								
Bell	412	332	222	404	4	320	188	274
3 Breathitt	754	410	35	400	2	800	717	409
4 Floyd	312	304	78	452	15	353	219	270
5 Harlan	488	344	140	397	10	222	338	342
6 Johnson	560	450	98	384	54	372	402	480
7 Knott	118	290	2	160	2	267	115	295
8 Knox	1,584	422	485	399	50	303	1,037	430
9 Leslie	366	260	18	277	10	73	332	274
10 Letcher	436	327	35	515	1	100	400	316
11 McCreary	722	411	300	315	1	133	419	527
12 Martin	184	289	14	311	2	267	167	288
13 Perry	295	323	14	400	12	533	268	313
14 Pike	378	302	26	251	32	356	317	305
15 Whitley	1,548	359	367	322	74	299	1,110	375

LIME, BY ECONOMIC AREAS AND BY COUNTIES: CENSUS OF 1954—Continued

Fertilizer—Continued								Lime							
Specified crops fertilized		Specified crops fertilized		Fruits, vegetables, and potatoes fertilized		Other crops fertilized except hay		Acres limed	Percent of total cropland plus improved pasture	Quantity used per acre (pounds)					
Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)								
Corn	296	Corn	291	Tobacco	23	Tobacco	1,533	18	655	5	200	810	2.4	3,716	1
157	246	4	1,600	22	500	5	2,000	796	6.4	3,181	2				
312	238	335	1,050	58	566	12	533	2,615	4.3	2,382	3				
110	197	5	667	104	424	...	...	1,155	3.3	3,126	4				
253	309	...	...	81	505	4	533	1,865	13.1	2,713	5				
154	269	166	1,230	76	738	6	218	1,840	6.9	1,902	6				
71	215	12	1,200	32	640	...	...	145	0.6	2,828	7				
522	296	321	1,346	124	670	10	400	2,477	4.0	4,565	8				
198	211	26	765	107	463	1	200	720	3.5	3,306	9				
287	267	4	800	109	586	...	...	500	2.1	4,880	10				
276	467	20	2,000	122	649	1	200	1,595	10.9	3,097	11				
87	211	...	...	80	478	...	...	310	2.1	2,871	12				
172	269	22	978	72	374	2	800	1,120	3.6	2,580	13				
166	228	...	...	137	468	14	700	1,432	2.4	3,680	14				
676	273	184	1,389	236	755	14	373	3,030	5.2	2,264	15				

LOUISIANA

TONS OF FERTILIZER

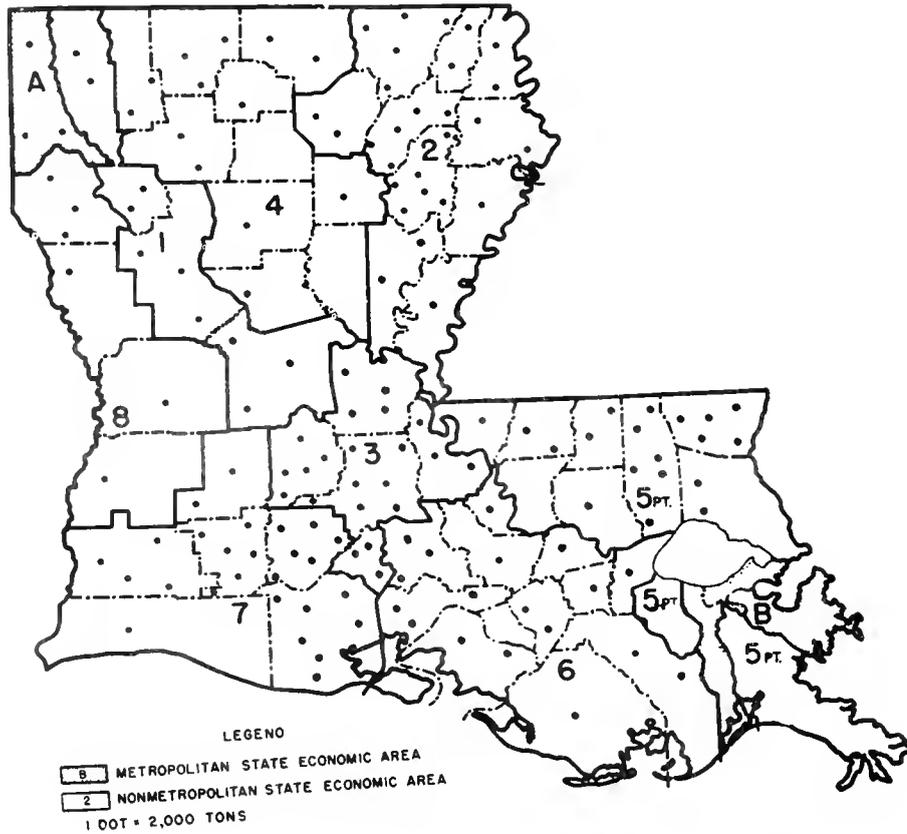
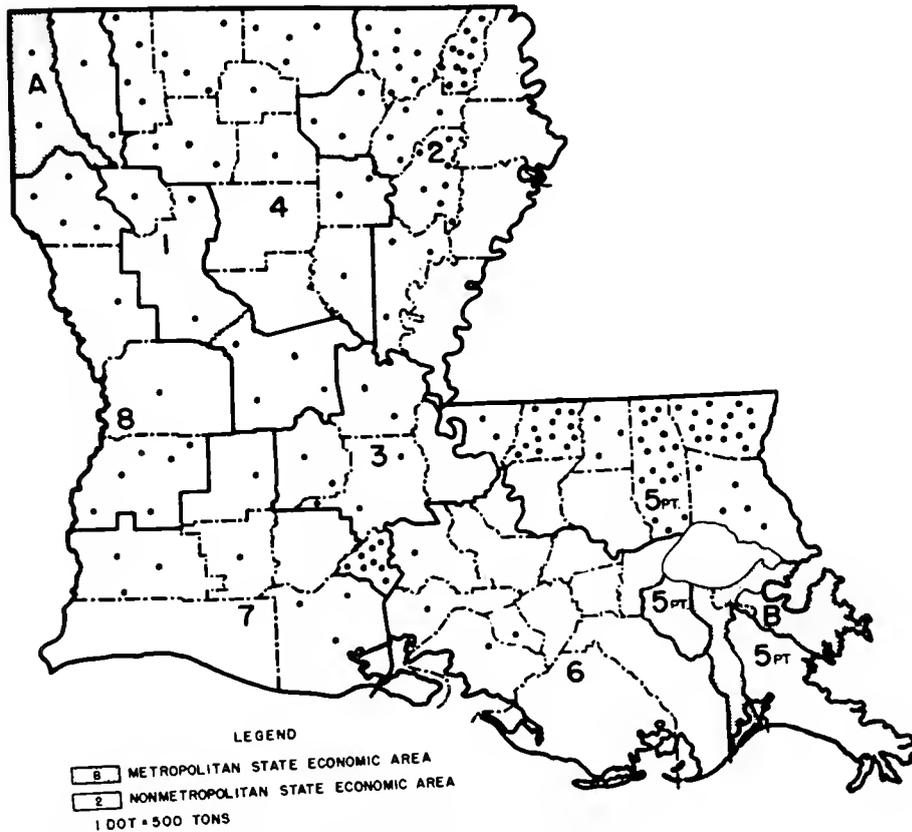


Table 1.-USE OF FERTILIZER FOR SPECIFIED CROPS AND USE OF

State, economic area, and parish	Fertilizer							
	All crops and all pasture fertilized		Hay and cropland pasture fertilized		Other pasture fertilized		All crops fertilized except hay	
	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)
1 Louisiana, total	293,417	237	31,320	273	13,812	233	247,160	232
2 Area 1:								
3 Bossier	4,458	207	356	150	348	187	3,728	216
4 Natchitoches	5,258	201	367	190	211	203	4,616	199
5 Rapides	6,430	241	555	134	342	181	5,526	267
6 Red River	3,584	236	688	244	175	169	2,685	240
6 Metropolitan Area A:								
6 Caddo	6,762	211	1,238	277	298	239	5,209	198
7 Area 2:								
7 Catahoula	3,156	235	199	160	105	124	2,837	246
8 Concordia	1,803	173	196	147	68	87	1,529	184
9 East Carroll	3,932	154	32	62	132	67	3,757	164
10 Franklin	12,642	271	1,656	307	288	156	10,627	268
11 Madison	4,239	184	196	131	464	121	3,577	202
12 Morehouse	10,484	338	1,278	340	68	173	9,157	336
13 Ouachita	4,860	334	786	384	314	281	3,750	328
14 Richland	10,183	276	838	280	140	208	9,245	278
15 Tensas	2,783	160	200	95	34	136	2,419	163
16 West Carroll	4,077	222	116	204	28	280	3,906	222
17 Area 3:								
17 Avoyelles	8,138	296	288	181	130	222	7,672	301
18 Evangeline	10,787	257	410	256	194	248	10,139	255
19 Lafayette	5,418	222	170	287	10	267	5,210	217
20 Pointe Coupee	5,182	209	292	127	77	118	4,816	220
21 St. Landry	14,272	235	598	339	251	243	13,402	234
22 Area 4:								
22 Bienville	3,928	280	859	286	410	201	2,648	298
23 Caldwell	1,960	349	163	259	102	267	1,696	375
24 Claiborne	5,058	295	950	353	156	299	3,945	286
25 Grant	1,566	247	170	136	162	820	1,249	255
26 Jackson	982	345	110	349	36	313	820	342
27 La Salle	384	298	42	221	72	327	270	308
28 Lincoln	2,427	274	418	289	143	192	1,883	288
29 Union	4,548	274	695	233	515	197	3,303	301
30 Webster	3,305	294	686	271	180	241	2,422	301
31 Winn	1,008	305	154	273	92	222	770	338

2 0.05 percent or less.

LOUISIANA
TONS OF LIME



Map No. A54-419

LIME, BY ECONOMIC AREAS AND BY PARISHES: CENSUS OF 1954—Continued

Fertilizer—Continued								Lime			
Specified crops fertilized		Specified crops fertilized		Fruits, vegetables, and potatoes fertilized		Other crops fertilized except hay		Acres limed	Percent of total cropland plus improved pasture	Quantity used per acre (pounds)	
Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)				
<i>Corn</i> 50,077	<i>Corn</i> 233	<i>Cotton</i> 87,744	<i>Cotton</i> 270	25,715	427	83,624	180	92,030	1.6	1,910	1
552	214	2,938	223	50	372	188	136	620	0.5	2,742	2
1,072	163	3,193	216	150	275	201	151	1,145	0.9	1,790	3
2,164	246	2,558	264	181	408	623	352	1,900	1.6	2,263	4
647	277	1,770	230	84	354	184	203	370	0.4	3,351	5
650	184	3,810	189	107	355	642	270	1,180	0.7	1,746	6
741	220	1,798	273	22	226	276	187	985	1.7	2,843	7
410	177	974	190	2	400	143	165	...	...	...	8
467	145	2,509	174	...	...	781	146	146	0.1	274	9
1,147	237	8,203	268	72	355	1,205	301	3,791	2.0	1,945	10
598	180	2,515	222	46	172	418	149	...	...	...	11
1,498	221	7,050	376	101	558	508	325	3,938	3.4	1,995	12
1,130	311	1,781	297	606	772	233	230	2,665	4.0	1,081	13
806	194	7,865	301	26	335	548	189	3,055	2.0	1,214	14
537	212	1,662	155	...	...	220	134	40	(2)	5,000	15
364	160	3,279	232	22	400	241	213	6,650	5.8	1,659	16
1,748	166	3,101	245	2,660	1,963	163	186	458	0.3	3,319	17
1,179	286	3,952	417	1,188	390	3,320	166	639	0.4	2,454	18
759	208	2,200	265	954	255	1,297	157	4,374	4.6	1,905	19
1,787	171	1,438	248	548	568	1,043	222	24	(2)	3,000	20
3,211	194	5,771	291	3,119	239	1,301	163	1,400	0.7	1,979	21
1,029	254	1,318	326	275	433	26	177	1,180	1.7	2,127	22
427	306	1,202	411	45	529	22	176	1,308	4.4	1,885	23
1,463	266	1,804	314	110	322	568	258	2,080	2.0	2,132	24
545	265	586	240	102	400	16	114	197	0.6	2,000	25
347	286	238	355	221	472	14	295	720	3.8	1,778	26
179	291	56	439	14	560	21	191	295	3.0	2,746	27
655	251	852	310	237	388	139	242	560	0.8	1,679	28
1,338	263	1,436	361	310	365	219	207	2,738	3.8	1,605	29
988	293	1,200	300	78	344	156	349	2,285	3.6	1,834	30
406	328	220	350	122	364	22	289	100	0.4	2,000	31

USE OF FERTILIZER AND LIME

Table 1.-USE OF FERTILIZER FOR SPECIFIED CROPS AND USE OF

State, economic area, and parish	Fertilizer							
	All crops and all pasture fertilized		Hay and cropland pasture fertilized		Other pasture fertilized		All crops fertilized except hay	
	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)
Louisiana—Continued								
Area 5:								
1 East Baton Rouge	968	330	442	332	70	368	451	320
2 East Feliciana	4,031	331	921	357	390	353	2,696	318
3 Livingston	2,373	601	161	189	106	326	2,068	744
4 Plaquemines	914	491	...	...	6	200	904	493
5 St. Charles	186	92	31	157	3	100	152	85
6 St. Helena	3,324	359	830	415	392	423	2,092	339
7 St. Tamary	4,241	296	1,707	290	338	226	2,147	308
8 Tangipahoa	11,496	571	2,069	452	1,900	387	7,462	696
9 Washington	10,144	413	1,875	473	926	337	7,368	405
10 West Feliciana	2,932	247	547	345	391	184	1,979	262
Metropolitan Area B:								
11 Jefferson	353	418	48	149	...	...	305	584
12 Orleans	8	800	...	...	...	...	8	800
13 St. Bernard	109	229	...	...	...	...	109	229
Area 6:								
14 Ascension	2,131	174	160	159	38	177	1,938	176
15 Assumption	3,173	183	72	149	...	...	3,105	185
16 Iberia	6,742	218	344	254	470	344	5,933	212
17 Iberville	1,753	156	121	243	255	370	1,365	136
18 Lafourche	3,612	179	20	109	...	...	3,584	180
19 St. James	1,786	167	54	80	5	200	1,726	172
20 St. John the Baptist	1,267	198	2	80	100	153	1,164	203
21 St. Martin	5,100	211	150	267	103	352	4,812	206
22 St. Mary	4,402	152	92	303	70	269	4,242	150
23 Terrebonne	1,662	153	70	192	70	84	1,520	157
24 West Baton Rouge	1,309	153	122	145	16	291	1,167	152
Area 7:								
25 Acadia	12,807	188	474	249	42	238	12,275	185
26 Allen	4,320	210	358	244	44	194	3,876	212
27 Calcasieu	8,565	196	474	269	118	222	7,962	192
28 Cameron	1,615	168	52	313	...	...	1,569	167
29 Jefferson Davis	12,308	183	854	222	387	243	10,940	177
30 Vermilion	13,783	179	370	185	298	244	12,997	175
Area 8:								
31 Beauregard	2,482	240	1,125	294	328	207	1,028	205
32 De Soto	5,704	321	1,876	372	709	281	3,102	309
33 Sabine	1,801	314	668	363	182	277	934	293
34 Vernon	2,402	302	525	278	509	198	1,367	389

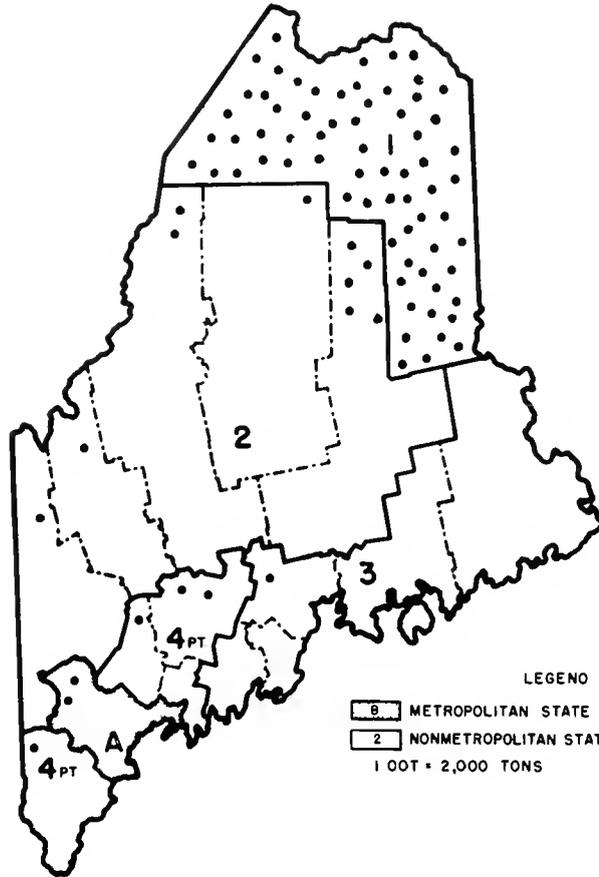
2 0.05 percent or less.

LIME, BY ECONOMIC AREAS AND BY PARISHES: CENSUS OF 1954—Continued

Fertilizer—Continued								Lime		
Specified crops fertilized		Specified crops fertilized		Fruits, vegetables, and potatoes fertilized		Other crops fertilized except hay		Acres limed	Percent of total cropland plus improved pasture	Quantity used per acre (pounds)
Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)			
Corn	Corn	Cotton	Cotton							
284	290	70	532	55	537	42	216	4,610	7.1	1,115
1,173	243	811	387	298	549	414	410	5,305	7.0	2,463
820	539	86	557	1,130	1,063	32	753	2,245	6.8	1,298
4	160	...	...	900	498	...	...	60	0.4	167
26	85	...	...	24	56	102	96	765	2.5	327
1,100	379	522	406	292	512	178	488	1,005	3.9	1,564
1,015	431	86	446	372	131	674	425	2,923	4.8	1,827
1,897	408	436	565	4,915	1,003	214	532	8,538	9.6	2,037
2,282	348	1,348	488	1,434	561	298	539	7,066	7.1	2,066
615	195	461	472	659	290	344	211	874	1.7	1,908
22	220	...	...	272	680	11	500	...	...	...
...	...	...	...	2	800	6	800	...	...	...
5	143	...	...	104	236	...	...	...	...	...
562	214	38	384	150	480	1,198	149	145	0.3	3,103
392	184	...	...	3	240	2,710	185	...	...	...
1,255	320	117	247	177	295	4,384	207	668	0.8	1,102
418	162	37	175	2	267	908	125	...	...	...
948	154	20	276	235	275	2,381	186	...	...	...
184	166	...	...	350	477	1,192	146	...	...	...
214	199	2	133	246	232	702	196	...	...	...
1,138	171	1,271	240	764	243	1,639	199	1,260	1.4	1,532
530	158	...	...	30	82	3,682	150	350	0.4	2,000
301	154	...	...	144	358	1,075	147	...	...	...
321	169	138	221	36	1,600	672	131	...	...	...
530	251	1,802	278	918	267	9,025	167	80	(2)	1,875
259	352	176	471	67	448	3,374	199	380	0.5	2,668
29	181	12	212	70	423	7,851	191	2,039	0.7	1,571
70	189	17	231	2	800	1,430	165	245	0.4	1,143
31	323	4	396	69	258	10,736	176	768	0.3	1,859
345	162	592	252	94	228	11,966	173	1,155	0.4	2,251
416	355	48	436	104	362	460	133	2,197	3.0	2,585
795	315	1,644	292	123	444	540	336	2,419	1.5	1,787
413	287	391	290	66	373	64	294	1,025	1.9	1,454
843	383	286	395	156	436	82	359	465	1.1	2,667

MAINE

TONS OF FERTILIZER



LEGEND

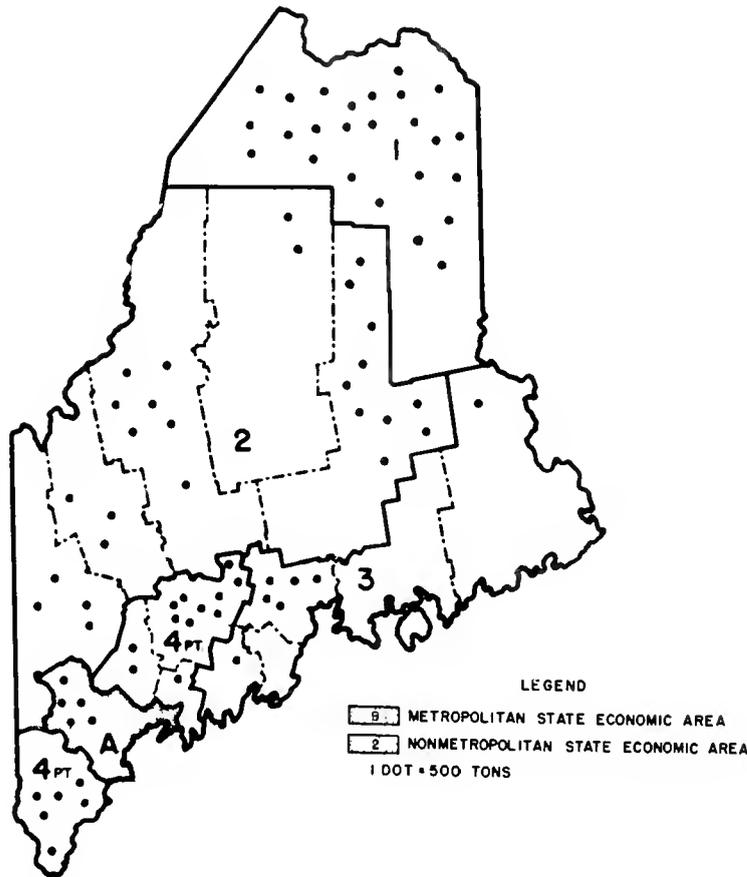
- 1 METROPOLITAN STATE ECONOMIC AREA
 - 2 NONMETROPOLITAN STATE ECONOMIC AREA
- 100T = 2,000 TONS

Map No. A54-420

Table 1.-USE OF FERTILIZER FOR SPECIFIED CROPS AND USE OF

State, economic area, and county	Fertilizer							
	All crops and all pasture fertilized		Hay and cropland pasture fertilized		Other pasture fertilized		All crops fertilized except hay	
	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)
1 Maine, total	170,166	1,375	11,259	480	1,109	563	157,114	1,591
2 Area 1: Aroostook	135,290	1,784	988	432	214	930	133,564	1,811
3 Area 2: Franklin	1,499	614	685	570	99	756	700	643
4 Oxford	2,154	615	925	473	70	596	1,151	787
5 Penobscot	9,987	960	1,834	504	243	501	7,834	1,250
6 Piscataquis	2,324	912	354	421	47	895	1,923	1,175
7 Somerset	3,723	692	1,295	558	144	692	2,253	795
8 Area 3: Hancock	428	659	159	754	6	800	263	611
9 Knox	284	602	116	516	26	495	142	730
10 Lincoln	334	468	168	373	11	237	153	695
11 Waldo	2,926	841	608	509	36	232	2,279	1,067
12 Washington	767	653	203	321	...	...	564	1,037
13 Area 4: Androscoggin	1,738	484	804	373	35	400	879	663
14 Kennebec	3,330	530	1,177	437	58	380	2,114	614
15 Sagadahoc	292	506	190	466	6	343	96	632
16 York	1,826	714	1,046	607	38	585	741	973
17 Metropolitan Area A: Cumberland	3,264	791	707	472	76	471	2,458	984

MAINE
TONS OF LIME



Map No. A54-421

LIME, BY ECONOMIC AREAS AND BY COUNTIES: CENSUS OF 1954—Continued

Fertilizer—Continued								Lime			
Specified crops fertilized		Specified crops fertilized		Fruits, vegetables, and potatoes fertilized		Other crops fertilized except hay		Acres limed	Percent of total cropland plus improved pasture	Quantity used per acre (pounds)	
Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)				
Corn 3,331	Corn 693	Tobacco ...	Tobacco ...	146,884	1,886	6,899	430	55,835	4.3	1,452	1
98	1,568	...	...	130,086	2,071	3,380	311	29,088	7.6	850	2
220	663	...	...	302	545	178	881	1,287	3.1	2,140	3
190	693	...	...	775	787	186	910	1,463	2.6	2,462	4
756	811	...	...	5,980	1,673	1,098	623	6,123	4.8	1,667	5
112	830	...	...	1,645	1,377	166	541	1,065	3.3	2,000	6
388	673	...	...	1,251	851	614	779	3,211	3.3	2,297	7
50	763	...	...	204	591	9	450	268	0.7	985	8
19	909	...	...	103	749	20	597	235	0.8	1,915	9
65	833	...	...	72	535	16	2,133	468	1.3	1,829	10
404	708	...	...	1,441	1,416	434	793	2,205	3.5	2,056	11
...	...	...	...	401	1,296	163	695	382	0.7	2,257	12
193	621	...	...	548	738	138	506	889	1.6	2,517	13
216	477	...	...	1,572	681	326	478	3,170	2.9	2,874	14
26	1,209	...	...	57	530	13	565	260	1.2	2,423	15
286	757	...	...	373	1,070	82	2,343	2,145	3.2	2,821	16
308	517	...	...	2,074	1,130	76	1,152	3,576	4.9	1,478	17

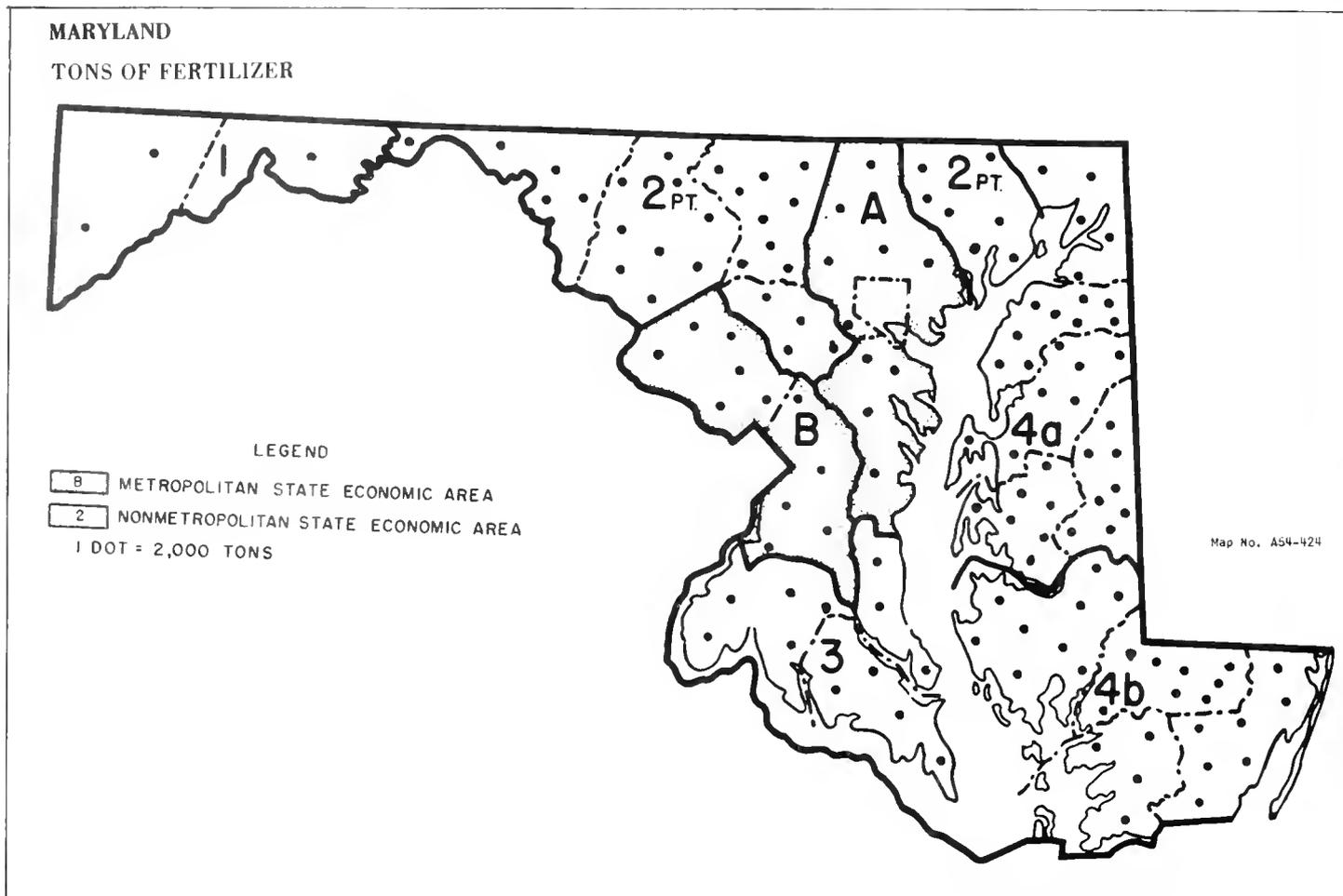
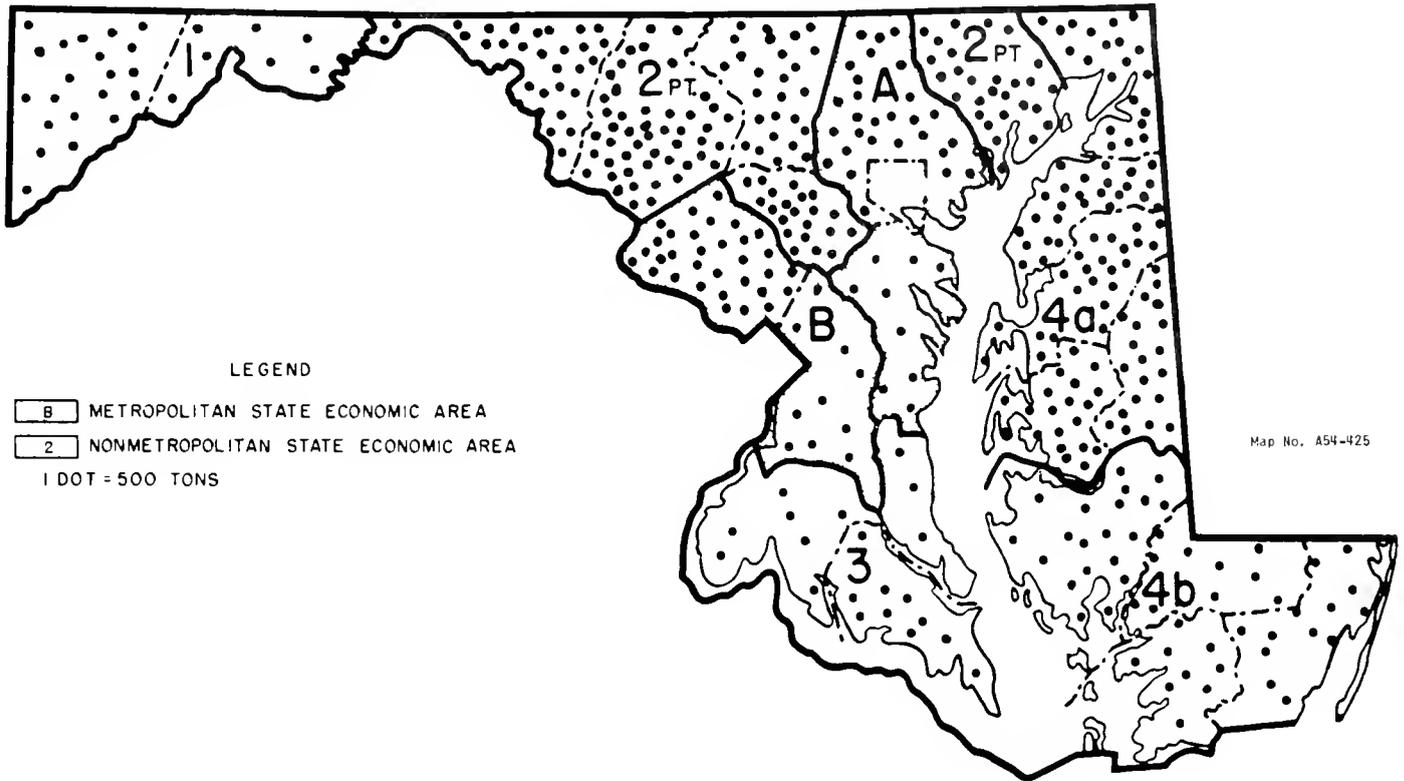


Table 1.—USE OF FERTILIZER FOR SPECIFIED CROPS AND USE OF

State, economic area, and county		Fertilizer							
		All crops and all pasture fertilized		Hay and cropland pasture fertilized		Other pasture fertilized		All crops fertilized except hay	
		Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)
1	Maryland, total	264,852	445	32,650	401	10,513	427	220,220	448
2	Area 1:								
3	Allegany	1,294	335	305	354	12	267	975	331
4	Garrett	4,186	366	899	317	187	388	3,039	377
5	Area 2:								
6	Carroll	18,169	392	2,354	409	942	385	14,745	384
7	Frederick	17,967	342	4,486	369	950	332	12,298	326
8	Harford	13,287	459	2,748	420	1,776	451	8,750	472
9	Howard	7,219	401	1,670	452	745	381	4,797	382
10	Washington	10,135	305	1,446	404	598	444	8,108	285
11	Metropolitan Area A:								
12	Anne Arundel	8,878	672	467	429	88	525	8,329	696
13	Baltimore	12,916	484	2,116	395	1,713	554	9,061	495
14	Baltimore City								
15	Metropolitan Area B:								
16	Montgomery	11,906	411	3,519	443	1,224	441	7,059	378
17	Prince Georges	9,367	612	872	441	138	293	8,292	651
18	Area 3:								
19	Calvert	5,690	710	270	364	85	453	5,247	757
20	Charles	9,176	592	350	470	10	500	8,765	597
21	St Marys	7,741	488	216	309	50	488	7,367	481
22	Area 4a:								
23	Caroline	15,269	432	1,115	408	176	319	13,870	425
24	Cecil	10,781	444	1,546	427	454	382	8,660	437
25	Kent	18,325	515	1,740	378	270	323	16,206	537
26	Queen Annes	13,820	340	1,771	343	230	388	11,669	333
27	Talbot	13,372	372	1,228	344	560	537	11,553	372
28	Area 4b:								
29	Dorchester	18,069	435	476	354	43	358	17,549	440
30	Somerset	7,160	595	506	516	24	390	6,637	597
31	Wicomico	16,956	650	723	351	50	290	16,111	676
32	Worcester	13,169	499	1,827	558	188	1,011	11,133	490

MARYLAND
TONS OF LIME



Map No. A54-425

LIME, BY ECONOMIC AREAS AND BY COUNTIES: CENSUS OF 1954—Continued

Fertilizer—Continued								Lime			
Specified crops fertilized		Specified crops fertilized		Fruits, vegetables, and potatoes fertilized		Other crops fertilized except hay		Acres limed	Percent of total cropland plus improved pasture	Quantity used per acre (pounds)	
Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)				
Corn 87,065	Corn 382	Wheat 32,366	Wheat 378	38,275	864	62,514	469	230,877	10.3	1,899	1
333 1,064	321 359	155 490	372 393	224 260	425 1,507	263 1,225	272 333	1,870 6,510	4.3 9.3	3,596 3,065	2 3
5,876 4,801 4,340 1,738 3,238	337 278 473 323 286	3,862 3,587 1,250 1,356 2,501	404 328 498 470 285	1,491 1,010 1,126 132 878	437 794 628 368 298	3,516 2,900 2,034 1,571 1,491	439 354 403 400 274	12,710 23,075 12,470 10,412 9,296	7.8 10.9 12.0 14.9 6.7	2,049 2,014 2,264 2,013 3,034	4 5 6 7 8
1,915 2,924	422 417	199 1,415	445 454	1,302 2,082	936 757	4,913 2,640	880 486	6,266 16,825	11.7 13.1	1,502 1,677	9 10 11
3,198 1,767	342 -10	2,244 344	426 441	196 456	260 970	1,421 5,725	433 799	17,817 5,338	13.8 6.2	1,792 1,900	12 13
844 2,919 2,520	440 403 359	99 840 1,126	460 403 431	18 76 37	655 1,086 1,057	4,286 4,930 3,684	899 934 652	1,935 2,975 5,599	4.8 4.1 8.7	1,581 2,296 1,729	14 15 16
5,918 4,240 9,009 6,126 5,876	385 423 470 317 376	1,834 1,492 1,574 2,694 3,052	374 354 368 335 377	3,323 1,209 4,116 610 829	839 758 1,306 515 604	2,795 1,719 1,507 2,239 1,796	332 431 422 342 304	13,044 9,979 12,468 13,241 9,446	12.8 10.0 11.2 9.7 9.8	1,489 2,140 2,117 1,719 2,089	17 18 19 20 21
5,555 2,543 4,653 5,668	490 502 385 399	1,984 46 72 150	412 622 545 526	3,064 2,564 9,548 3,724	1,028 1,015 1,212 1,009	6,946 1,484 1,838 1,591	335 431 492 352	12,812 5,318 10,217 11,255	12.7 11.4 12.9 13.4	1,585 1,737 1,027 1,148	22 23 24 25

MASSACHUSETTS
TONS OF FERTILIZER

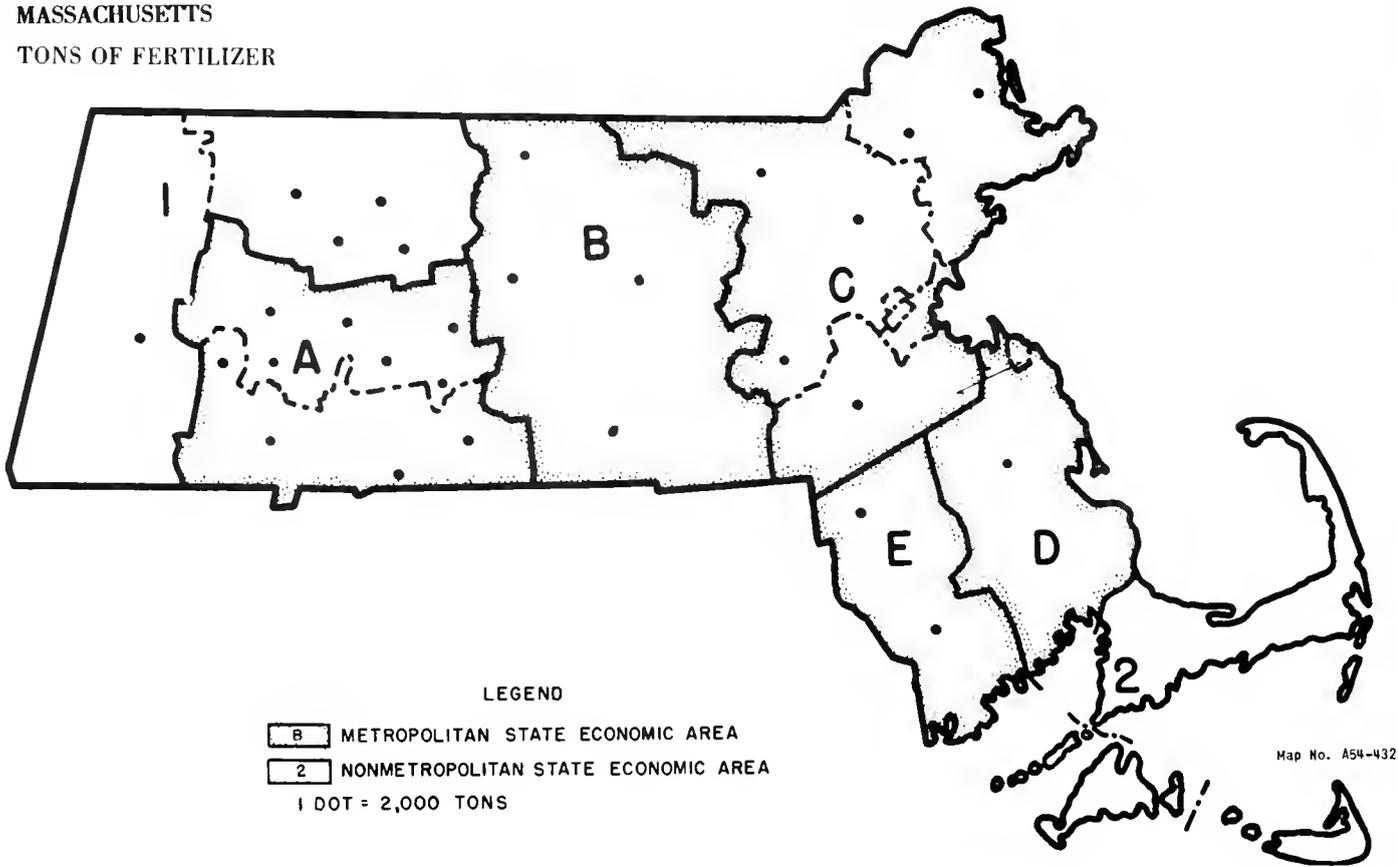
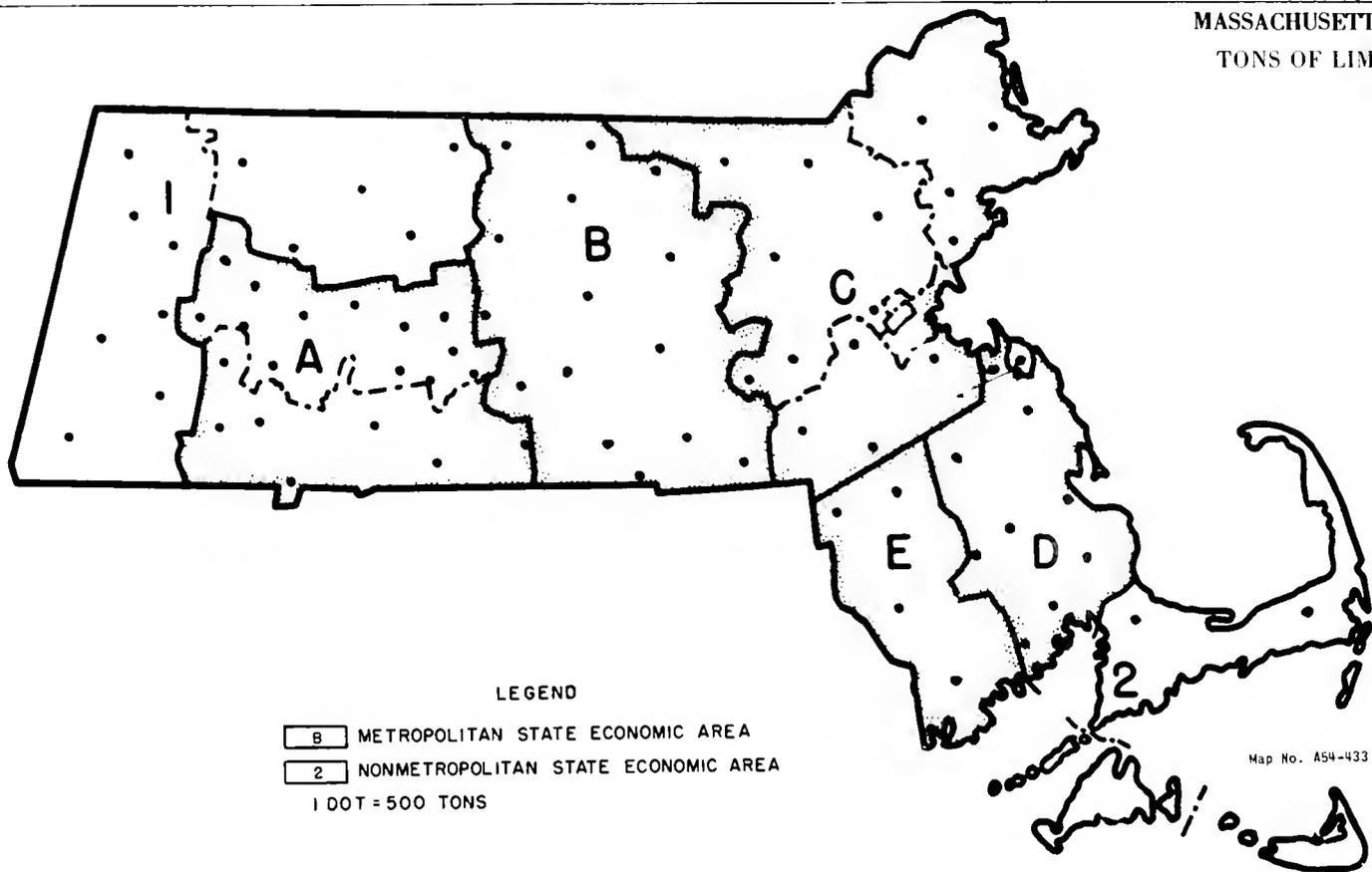


Table 1.-USE OF FERTILIZER FOR SPECIFIED CROPS AND USE OF

State, economic area, and county	Fertilizer							
	All crops and all pasture fertilized		Hay and cropland pasture fertilized		Other pasture fertilized		All crops fertilized except hay	
	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)
1 Massachusetts, total	58,233	705	20,038	447	1,215	482	36,141	1,028
2 Area 1:								
3 Berkshire	2,281	464	1,310	430	102	325	864	560
4 Franklin	7,844	971	1,546	413	166	647	6,141	1,526
5 Metropolitan Area A:								
6 Hampden	8,727	1,340	934	339	152	507	7,545	2,183
7 Hampshire	12,012	916	3,299	438	124	529	7,752	1,458
8 Metropolitan Area B:								
9 Worcester	7,514	471	4,684	443	374	469	2,457	540
10 Metropolitan Area C:								
11 Essex	3,388	559	1,364	472	28	311	2,014	938
12 Middlesex	6,861	608	2,666	458	140	538	4,042	776
13 Norfolk	1,666	557	1,030	535	58	446	580	621
14 Suffolk	9	900	...	...	...	...	9	900
15 Area 2:								
16 Barnstable	693	467	75	566	6	800	612	459
17 Dukes	475	872	345	715	...	...	117	1,872
18 Nantucket	10	235	5	133	...	...	5	1,000
19 Metropolitan Area D:								
20 Plymouth	2,704	448	1,357	459	28	350	1,339	425
21 Metropolitan Area E:								
22 Bristol	4,049	627	1,423	483	37	747	2,664	782

MASSACHUSETTS
TONS OF LIME



LEGEND

- B METROPOLITAN STATE ECONOMIC AREA
- E NONMETROPOLITAN STATE ECONOMIC AREA
- 1 DOT = 500 TONS

Map No. AS4-433

LIME, BY ECONOMIC AREAS AND BY COUNTIES: CENSUS OF 1954—Continued

Fertilizer—Continued								Lime			
Specified crops fertilized		Specified crops fertilized		Fruits, vegetables, and potatoes fertilized		Other crops fertilized except hay		Acres limed	Percent of total cropland plus improved pasture	Quantity used per acre (pounds)	
Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)				
Corn 6,622	Corn 598	Tobacco 9,204	Tobacco 3,316	17,217	1,057	3,098	618	33,098	5.9	2,326	1
569	516	...	...	67	827	228	638	2,477	3.4	2,809	2
904	641	2,594	3,290	2,551	1,464	92	1,115	1,883	3.2	2,413	3
570	588	3,814	4,371	3,094	2,032	67	736	4,345	10.7	1,707	4
1,218	739	2,796	2,508	3,216	1,584	523	994	4,680	8.2	2,782	5
832	512	...	...	1,354	530	271	735	5,427	4.3	2,678	6
304	560	...	...	1,436	1,165	774	736	2,401	14.5	1,670	7
590	604	...	...	2,962	748	490	1,782	3,819	6.3	1,757	8
122	571	...	...	214	696	244	592	2,078	10.3	2,178	9
...	...	...	...	...	...	9	900	...	...	...	10
106	1,247	...	...	286	424	220	384	560	7.1	2,982	11
2	267	...	...	100	2,000	15	3,000	100	3.2	4,000	12
...	...	...	...	5	1,000	...	...	...	...	...	13
367	624	...	...	498	453	474	324	3,298	9.6	2,681	14
1,038	546	...	...	1,434	1,396	192	402	2,030	5.1	2,148	15

MICHIGAN
TONS OF FERTILIZER

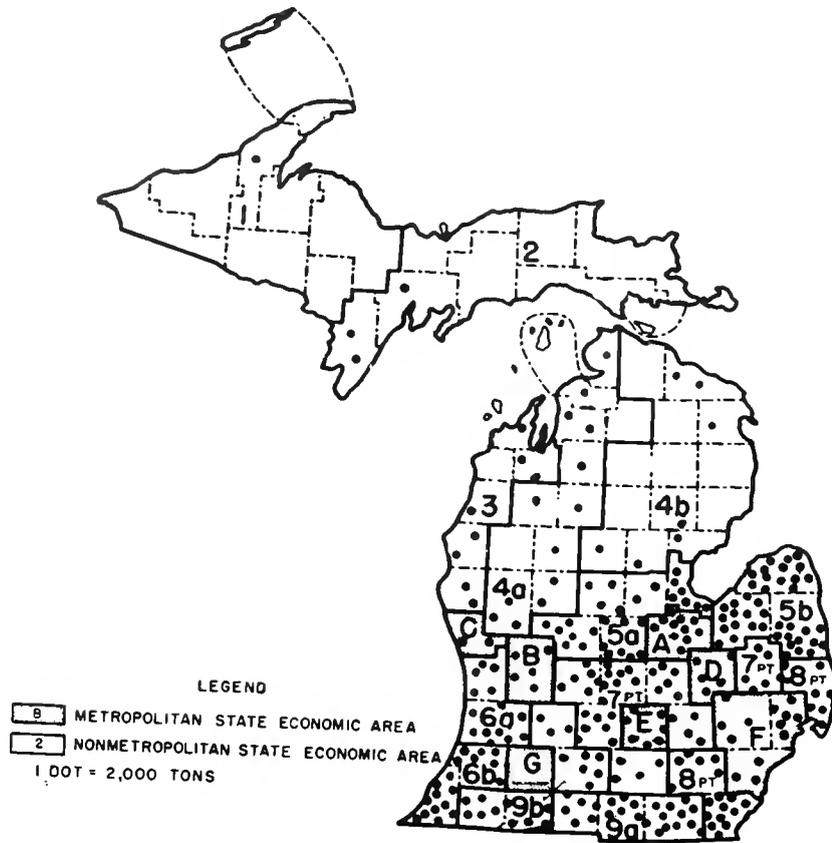
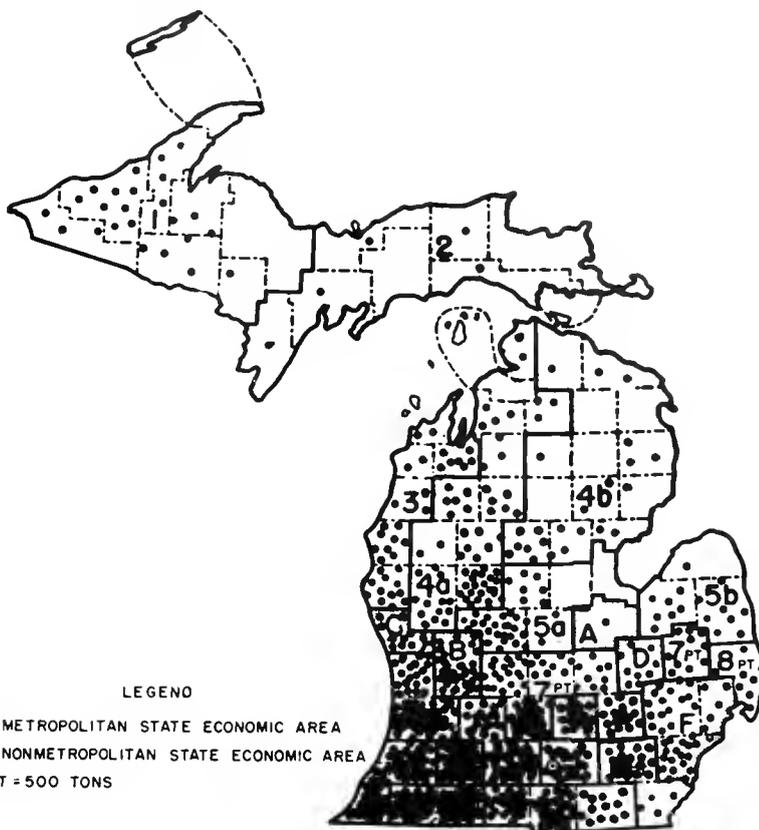


Table 1.—USE OF FERTILIZER FOR SPECIFIED CROPS AND USE OF

State, economic area, and county	Fertilizer							
	All crops and all pasture fertilized		Hay and cropland pasture fertilized		Other pasture fertilized		All crops fertilized except hay	
	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)
1 Michigan, total	567,719	251	42,953	255	2,828	241	517,835	249
Area 1:								
2 Baraga	173	315	16	200	3	240	154	337
3 Dickinson	775	368	101	157	...	...	673	461
4 Gogebic	122	330	28	311	...	...	94	336
5 Houghton	1,029	342	12	229	5	200	1,012	345
6 Iron	254	403	88	263	1	400	165	564
7 Keweenaw .....	...	...	...	...	...	...	...	...
8 Marquette	604	345	90	186	...	...	514	406
9 Ontonagon	291	306	22	215	...	...	269	317
Area 2:								
10 Alger	486	273	90	182	5	250	387	307
11 Chippewa	793	189	102	167	...	...	689	191
12 Delta	1,502	277	233	218	5	2,000	1,261	289
13 Luce	588	395	32	125	...	...	555	450
14 Mackinac	102	255	33	210	5	200	64	294
15 Menominee	3,038	260	728	229	46	198	2,271	271
16 Schoolcraft	406	476	33	200	...	...	374	543
Area 3:								
17 Benzie	998	310	120	361	...	...	878	304
18 Grand Traverse	3,090	266	382	225	42	400	2,654	271
19 Leelanau	2,220	315	209	237	16	237	1,998	327
20 Manistee	1,648	325	94	200	16	213	1,498	334
21 Mason	3,364	276	270	320	24	267	3,054	273
22 Oceana	4,830	267	728	273	56	291	3,986	261
Area 4a:								
23 Antrim	3,096	335	304	282	55	214	2,734	343
24 Charlevoix	1,673	296	464	358	29	290	1,186	271
25 Emmet	1,678	315	202	262	30	500	1,441	321
26 Kalkaska	1,348	294	82	277	4	400	1,261	295
27 Lake	346	268	12	166	...	...	334	270
28 Mecosta	3,396	218	314	233	38	190	3,058	218
29 Missaukee	1,797	224	230	192	4	70	1,537	226
30 Newaygo	5,467	349	190	223	12	240	5,234	348
31 Osceola	2,132	251	189	191	5	222	1,936	258
32 Otsego	742	281	28	190	30	375	688	285
33 Wexford	1,018	280	120	304	13	473	888	275

2 0.05 percent or less.

MICHIGAN
TONS OF LIME



Map No. A54-431

LIME, BY ECONOMIC AREAS AND BY COUNTIES: CENSUS OF 1954—Continued

Fertilizer—Continued								Lime			
Specified crops fertilized		Specified crops fertilized		Fruits, vegetables, and potatoes fertilized		Other crops fertilized except hay		Acres limed	Percent of total cropland plus improved pasture	Quantity used per acre (pounds)	
Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)				
<i>Conn</i> 160,653	<i>Conn</i> 206	<i>Conn</i> 110,297	<i>Conn</i> 222	68,706	541	178,179	263	225,014	2.1	3,913	1
...	...	126	298	22	978	6	480	690	3.6	3,913	2
142	337	169	284	319	869	43	566	225	1.0	4,178	3
...	...	46	323	29	682	19	200	495	3.5	5,111	4
26	945	583	251	327	890	76	362	1,000	1.7	4,420	5
...	...	99	435	65	1,130	1	133	835	2.9	5,210	6
...	...	...	...	...	...	...	...	...	...	...	7
22	710	204	269	248	591	40	696	300	1.2	1,400	8
8	800	221	297	12	960	28	350	1,515	3.7	5,987	9
...	...	195	275	122	407	70	276	355	2.0	1,961	10
...	...	496	178	12	329	181	231	20	(2)	1,000	11
190	293	716	233	216	599	139	490	145	(2)	4,138	12
1	200	160	303	292	905	102	270	305	2.9	2,295	13
...	...	44	238	2	267	18	720	270	1.2	2,667	14
732	285	1,345	254	103	479	91	317	360	(2)	2,111	15
4	400	107	287	248	924	15	400	135	0.9	3,185	16
74	161	68	316	669	322	67	487	475	1.5	5,179	17
640	205	589	296	1,203	337	222	274	1,810	2.0	3,923	18
368	254	396	257	1,110	408	124	314	450	0.7	3,778	19
284	197	183	251	809	463	222	395	1,305	2.2	2,651	20
696	197	704	227	1,178	459	476	241	2,520	2.6	3,734	21
858	184	582	259	1,938	321	608	263	3,065	2.6	3,915	22
654	259	868	280	802	704	410	336	1,520	2.2	2,722	23
241	231	464	258	218	315	263	312	175	0.3	2,286	24
171	225	608	280	256	661	406	347	970	1.7	1,711	25
371	193	388	289	198	757	304	404	805	2.1	3,118	26
100	213	136	272	40	381	58	354	373	1.3	4,075	27
950	187	952	221	280	259	876	245	3,873	2.8	5,879	28
400	187	642	235	125	538	370	220	2,445	2.8	2,446	29
942	161	852	243	2,402	878	1,038	352	3,765	2.9	3,490	30
460	209	713	227	242	676	521	289	2,985	2.6	2,228	31
102	214	268	233	221	520	97	268	990	2.9	2,812	32
324	210	257	303	81	549	226	324	2,115	3.2	2,879	33

USE OF FERTILIZER AND LIME

Table 1.—USE OF FERTILIZER FOR SPECIFIED CROPS AND USE OF

State, economic area, and county	Fertilizer								
	All crops and all pasture fertilized		Hay and cropland pasture fertilized		Other pasture fertilized		All crops fertilized except hay		
	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	
Michigan—Continued									
Area 4b:									
1	Alcona	522	231	90	231	10	200	412	225
2	Alpena	1,772	257	128	278	...	...	1,638	254
3	Arenac	2,990	250	336	267	48	249	2,583	245
4	Cheboygan	840	240	170	227	55	220	601	246
5	Clare	1,086	226	52	202	...	...	1,032	227
6	Crawford	94	327	16	234	...	...	78	356
7	Gladwin	1,788	217	80	189	6	300	1,683	214
8	Iosco	888	263	170	409	...	...	718	240
9	Montmorency	108	200	29	341	5	667	74	166
10	Ogemaw	1,206	212	101	204	12	209	1,094	214
11	Oscoda	156	209	18	162	20	205	118	220
12	Presque Isle	3,024	276	249	182	5	133	2,764	291
13	Rosecommon	10	133	...	...	...	...	10	133
Area 5a:									
14	Bay	14,166	310	1,034	241	22	293	12,970	316
15	Gratiot	16,581	220	1,504	238	10	133	15,002	218
16	Isabella	7,097	197	670	210	10	200	6,349	192
17	Midland	4,375	201	266	263	8	267	4,025	193
18	Montcalm	13,007	296	966	327	124	236	11,658	292
Metropolitan Area A:									
19	Saginaw	21,602	244	2,007	263	15	130	19,360	242
Area 6b:									
20	Huron	27,166	223	2,532	228	15	133	24,465	225
21	Sanilac	23,029	227	1,987	281	10	160	20,752	220
22	Tuscola	27,448	270	1,638	237	...	...	25,464	271
Area 6a:									
23	Allegan	17,420	298	891	296	53	196	16,256	292
24	Ottawa	10,641	251	611	234	52	169	9,862	246
Metropolitan Area B:									
25	Kent	10,904	252	928	294	72	702	9,863	250
Metropolitan Area C:									
26	Muskegon	3,480	309	140	230	20	1,143	3,264	315
Area 6b:									
27	Berrien	21,931	351	1,049	279	95	226	20,769	354
28	Van Buren	14,592	314	1,034	263	110	259	13,172	313
Area 7:									
29	Clinton	15,490	235	1,268	279	114	265	14,032	228
30	Easton	13,108	214	688	265	102	416	12,073	207
31	Jonis	11,216	232	636	317	90	201	10,442	228
32	Jackson	8,544	233	634	251	44	341	7,826	227
33	Lapeer	11,889	242	817	240	113	197	10,820	243
34	Livingston	7,493	226	408	262	60	414	6,924	220
35	Shiawassee	11,780	203	970	214	58	221	10,690	202
Metropolitan Area D:									
36	Genesee	10,562	241	852	278	80	281	9,483	238
Metropolitan Area E:									
37	Ingham	13,032	235	904	241	74	243	11,917	231
Area 8:									
38	Monroe	22,248	274	822	258	12	369	21,203	276
39	St. Clair	13,430	254	786	240	85	256	12,432	253
40	Washtenaw	11,876	215	815	213	56	185	10,810	214
Metropolitan Area F:									
41	Macomb	11,502	298	1,006	267	10	500	10,422	303
42	Oakland	7,629	266	910	271	98	181	6,531	264
43	Wayne	5,289	264	187	231	6	200	5,056	264
Area 9a:									
44	Branch	11,222	218	810	260	50	238	11,265	229
45	Hillsdale	11,088	213	1,022	258	62	184	9,852	209
46	Lenawee	24,378	254	1,231	297	48	409	22,950	250
Area 9b:									
47	Barry	6,623	226	494	246	130	284	6,000	223
48	Calhoun	12,325	242	854	272	96	137	11,357	239
49	Cass	9,047	243	852	298	56	477	7,978	232
50	St. Joseph	10,048	224	1,107	270	64	272	8,696	219
Metropolitan Area G:									
51	Kalamazoo	10,971	268	638	264	99	219	10,193	265

2 0.05 percent or less.

USE OF FERTILIZER AND LIME

LIME, BY ECONOMIC AREAS AND BY COUNTIES: CENSUS OF 1954—Continued

Fertilizer—Continued								Lime		
Specified crops fertilized		Specified crops fertilized		Fruits, vegetables, and potatoes fertilized		Other crops fertilized except hay		Acres limed	Percent of total cropland plus improved pasture	Quantity used per acre (pounds)
Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)			
Orn	Orn	Oats	Oats							
28	170	206	221	8	6.0	170	236	91.0	1.7	3,615
152	222	728	218	182	528	570	280	160	(2)	1,790
658	188	787	239	182	707	956	274	525	0.7	3,733
136	275	270	247	91	193	104	270	305	0.6	3,770
314	188	453	256	2	267	263	238	2,198	3.7	3,062
9	402	40	310	5	333	24	457	165	3.7	3,273
640	173	520	223	51	300	472	282	1,150	1.5	3,226
240	225	316	256	40	479	122	200	205	0.4	5,095
2	100	44	185	14	151	14	147	...	...	9
344	177	484	199	10	900	256	351	565	0.9	3,547
16	178	48	207	4	800	50	238	...	...	11
150	275	918	222	1,119	493	577	227	235	0.4	6,681
5	100	5	200	...	...	...	...	...	...	13
1,796	217	1,623	240	3,053	741	6,498	297	95	0.1	3,474
5,305	199	2,734	219	262	6,701	290	234	1,240	0.5	1,371
2,149	162	1,759	187	135	274	2,366	235	2,095	1.0	3,566
1,488	197	772	213	97	269	1,668	179	85	0.1	2,824
2,452	194	2,136	223	2,426	625	4,644	335	7,250	3.3	3,327
4,889	231	2,805	216	905	385	10,761	253	454	0.2	2,132
3,443	254	4,836	219	10.	251	16,082	221	440	0.1	1,568
4,328	199	6,234	199	604	363	9,586	242	2,095	0.5	3,630
6,070	248	4,154	238	840	889	14,400	281	1,850	0.6	3,816
5,115	220	3,206	230	4,089	655	3,846	312	9,650	3.7	4,151
3,121	190	2,573	214	1,556	904	2,612	305	4,315	2.3	4,287
2,877	208	2,207	202	2,559	439	2,220	251	10,705	4.2	3,125
858	211	712	236	1,062	938	632	293	1,670	2.1	5,820
4,863	260	1,877	241	10,934	902	3,095	295	11,071	5.1	3,994
4,497	234	1,346	233	5,101	491	2,228	330	6,827	3.3	3,839
4,120	171	3,410	198	332	334	6,170	322	2,880	1.2	3,164
4,446	177	3,157	193	358	568	4,112	256	7,700	3.4	3,212
3,516	188	2,908	215	744	876	3,274	258	5,465	2.4	3,462
3,052	178	1,590	213	1,166	734	2,018	245	7,148	3.3	3,433
3,470	195	3,120	229	1,241	710	2,989	263	2,318	1.0	4,174
2,600	183	1,582	213	1,08	645	2,634	274	4,195	2.4	3,677
2,886	167	2,668	203	284	363	4,852	224	2,090	0.9	4,722
2,917	209	2,482	230	444	550	3,640	254	2,840	1.4	3,134
5,141	202	2,847	224	485	499	3,444	275	4,765	2.4	3,096
8,239	239	2,136	226	2,384	677	8,444	288	2,740	1.2	1,569
3,714	215	2,802	217	1,436	656	4,480	268	2,990	1.2	2,686
4,738	193	2,436	193	580	473	3,056	251	9,490	3.8	1,986
3,335	229	1,666	224	3,361	739	2,060	263	2,005	1.5	2,544
2,627	214	1,409	236	988	706	1,507	294	4,060	2.4	3,893
2,524	245	490	261	660	495	1,382	245	485	0.7	3,464
4,914	187	3,255	300	138	620	2,958	249	5,240	2.7	5,162
4,430	180	2,518	223	202	344	2,702	255	5,465	2.4	4,737
11,799	233	3,984	237	924	710	6,243	272	4,320	1.3	2,754
1,964	186	1,719	207	153	850	2,164	276	4,790	2.7	3,929
4,384	190	2,177	207	1,444	808	3,352	275	11,365	4.7	3,197
2,934	190	1,642	202	990	544	2,422	266	8,665	5.0	6,382
4,056	195	1,505	224	211	127	2,924	254	12,115	6.0	5,256
4,146	235	1,820	227	849	671	3,378	293	9,381	5.1	8,036

MINNESOTA
TONS OF FERTILIZER

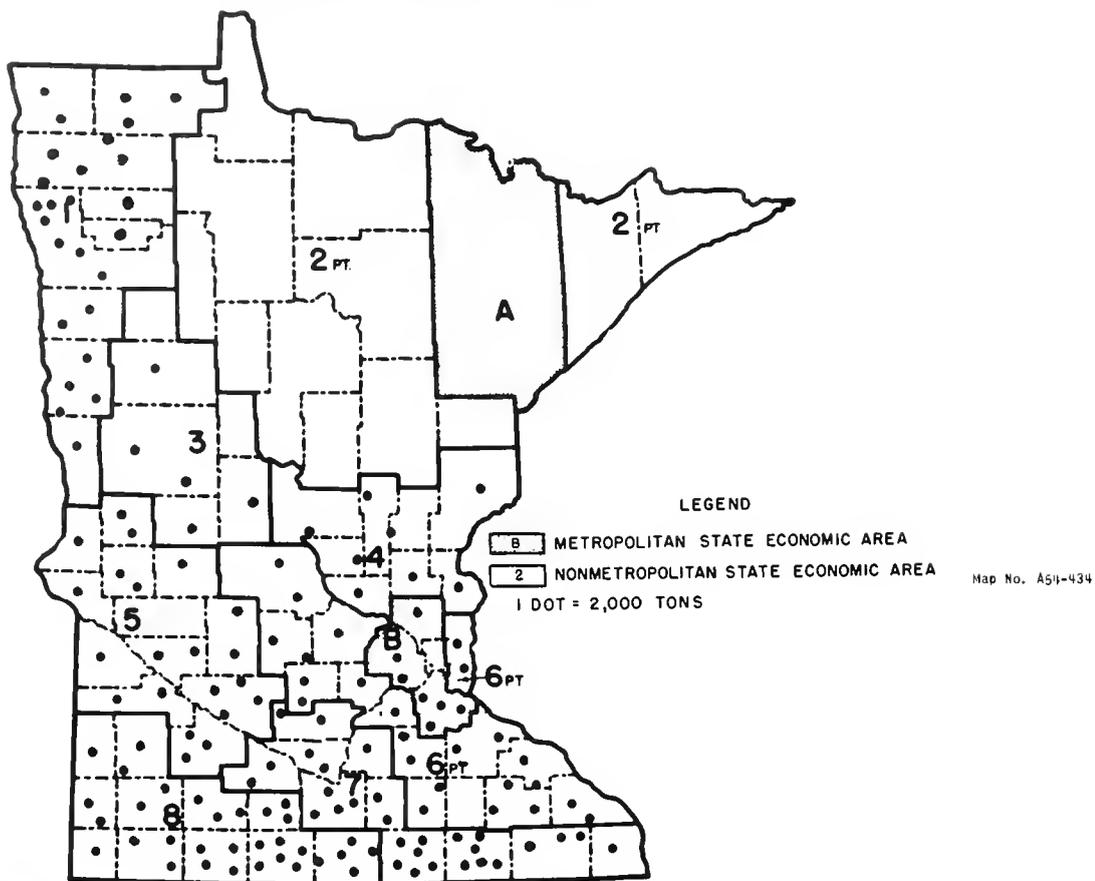
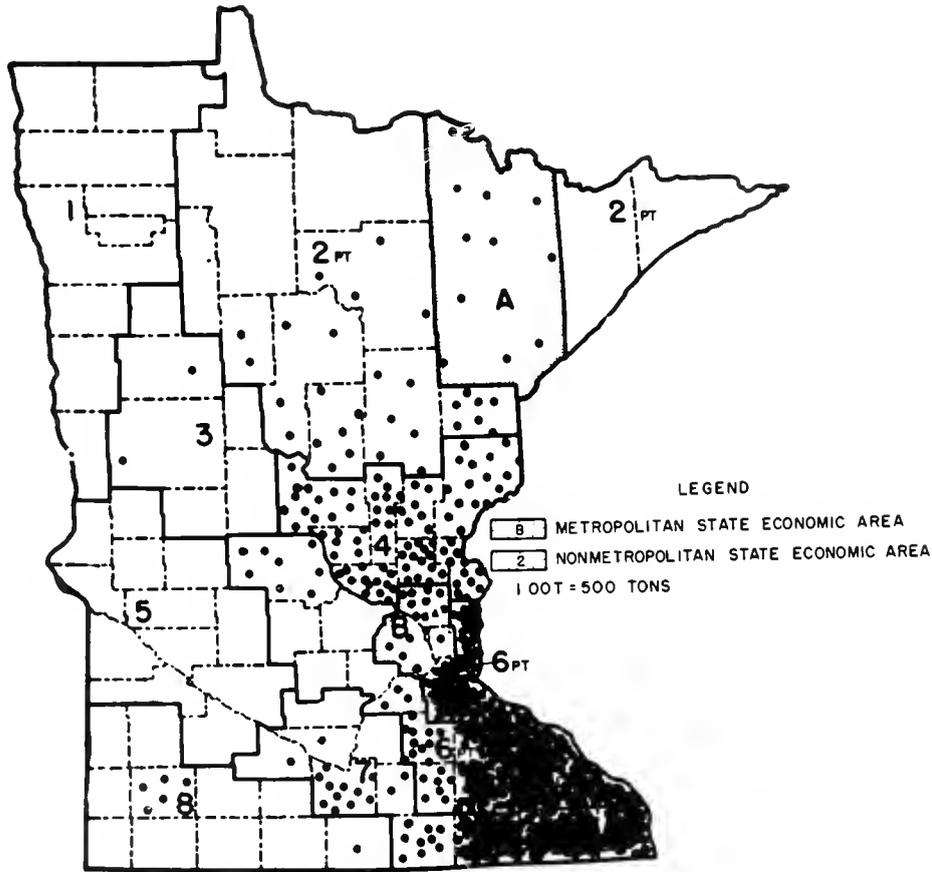


Table 1.—USE OF FERTILIZER FOR SPECIFIED CROPS AND USE OF

State, economic area, and county	Fertilizer							
	All crops and all pasture fertilized		Hay and cropland pasture fertilized		Other pasture fertilized		All crops fertilized except hay	
	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)
1 Minnesota, total	317,131	151	41,588	206	2,902	167	271,738	145
Area 1:								
2 Clay	7,481	114	552	143	49	131	6,796	112
3 Kittson	4,841	76	134	133	6	79	4,693	76
4 Marshall	10,148	91	593	121	50	150	9,462	89
5 Norman	3,726	97	700	151	5	185	3,021	90
6 Pennington	1,966	81	217	128	31	84	1,718	77
7 Polk	14,870	90	1,044	127	122	121	13,631	87
8 Red Lake	1,527	98	233	152	20	167	1,271	90
9 Roseau	5,254	95	508	139	85	223	4,656	91
10 Wilkin	2,153	120	419	151	14	122	1,716	113
Area 2:								
11 Aitkin	484	173	72	83	...	...	407	210
12 Beltrami	718	153	134	184	1	200	584	149
13 Carlton	454	346	78	299	39	433	337	351
14 Cass	704	179	203	492	10	308	491	141
15 Clearwater	378	176	108	250	6	267	264	156
16 Cook .....	...	...	...	...	...	...	...	...
17 Crow Wing	536	137	45	134	2	200	489	136
18 Hubbard	888	137	118	230	9	65	761	131
19 Itasca	300	303	54	177	2	200	247	365
20 Koochiching	253	246	74	293	...	...	179	230
21 Lake	10	333	...	...	...	...	10	333
22 Lake of the Woods	388	205	48	270	...	...	340	199
Metropolitan Area:								
3 St. Louis	580	261	70	239	6	141	504	267
Area 3:								
24 Becker	2,253	98	628	122	32	83	1,601	91
25 Douglas	1,410	163	404	223	10	267	995	145
26 Mahanomen	607	127	278	174	4	229	325	103
27 Otter Tail	3,569	148	976	202	36	155	2,525	129
28 Todd	2,438	130	322	208	...	...	2,115	123
29 Wadena	780	109	138	308	...	...	642	96

0.05 percent or less.

MINNESOTA
TONS OF LIME



LIME, BY ECONOMIC AREAS AND BY COUNTIES: CENSUS OF 1954—Continued

Fertilizer—Continued								Lime			
Specified crops fertilized		Specified crops fertilized		Fruits, vegetables, and potatoes fertilized		Other crops fertilized except hay		Acres limed	Percent of total cropland plus improved pasture	Quantity used per acre (pounds)	
Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)				
<i>Corn</i> 170,222	<i>Corn</i> 155	<i>Oats</i> 36,339	<i>Oats</i> 144	17,395	301	47,782	103	197,177	0.9	3,883	1
1,082	122	730	79	1,343	205	3,641	101	...	...	...	2
57	95	823	77	564	277	3,249	67	...	...	...	3
206	117	1,477	76	1,332	297	6,447	80	100	(Z)	1,100	4
606	123	531	97	201	186	1,683	76	10	(Z)	1,000	5
122	110	815	71	22	124	759	79	...	...	...	6
556	128	1,506	72	1,865	237	9,704	79	90	(Z)	1,556	7
194	123	506	71	134	219	437	93	...	...	...	8
95	112	1,017	101	24	229	3,520	87	20	(Z)	200	9
789	121	186	96	145	274	596	97	16	(Z)	2,000	10
143	196	160	212	18	610	86	205	2,030	2.1	3,074	11
78	168	306	151	40	333	160	121	...	...	...	12
34	332	154	288	99	495	50	408	3,145	3.8	2,321	13
401	131	58	178	6	267	26	335	1,385	1.4	2,939	14
64	152	96	108	51	600	53	180	30	(Z)	267	15
...	...	...	...	...	...	...	...	...	...	...	16
389	117	48	204	6	1,200	46	1,840	1,470	2.0	4,068	17
594	121	162	181	...	...	5	286	495	0.5	4,364	18
53	259	52	248	99	574	43	478	1,150	1.6	3,243	19
8	200	54	182	10	190	107	276	...	...	...	20
...	...	3	200	5	1,000	2	200	135	2.9	3,630	21
9	150	108	144	90	359	133	204	...	...	...	22
35	393	192	196	119	420	158	294	2,745	1.8	3,982	23
642	114	446	84	67	119	446	74	300	0.1	2,733	24
822	134	92	250	...	...	81	231	45	(Z)	667	25
114	121	70	73	35	219	106	95	...	...	...	26
2,034	120	303	233	12	400	176	139	480	0.1	3,042	27
1,924	117	155	228	6	400	30	231	130	(Z)	2,846	28
586	92	21	118	...	...	35	233	1,820	1.5	2,115	29

USE OF FERTILIZER AND LIME

Table 1.—USE OF FERTILIZER FOR SPECIFIED CROPS AND USE OF

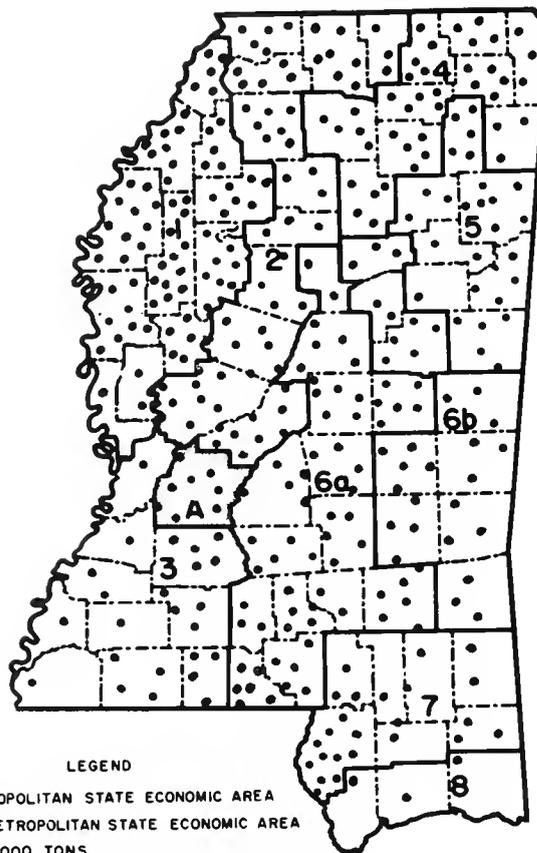
State, economic area, and county	Fertilizer								
	All crops and all pasture fertilized		Hay and cropland pasture fertilized		Other pasture fertilized		All crops fertilized except hay		
	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	
Minnesota—Continued									
Area 4:									
1	Benton	2,607	154	171	174	8	229	2,428	153
2	Chisago	2,354	165	197	242	24	69	2,332	163
3	Isanti	2,622	185	260	206	16	128	2,346	184
4	Kanabec	1,343	171	96	323	15	500	1,229	163
5	Mille Lacs	1,910	168	96	184	8	246	1,806	167
6	Morrison	2,728	138	219	175	10	174	2,488	134
7	Pine	1,852	173	172	247	16	221	1,659	167
8	Sherburne	2,121	154	467	214	12	160	1,642	143
Area 5:									
9	Big Stone	1,341	194	424	205	4	114	907	189
10	Chippewa	4,388	186	748	242	25	196	3,556	173
11	Grant	3,216	115	803	154	34	69	2,358	106
12	Handiyohi	4,264	175	1,170	221	60	189	3,014	159
13	Lac qui Parle	2,888	194	674	248	28	220	2,191	178
14	Pope	2,494	166	696	222	12	107	1,753	148
15	Redwood	5,902	186	854	237	70	209	4,973	177
16	Renville	7,316	176	1,213	230	77	150	6,023	169
17	Stevens	3,289	170	705	220	130	177	2,454	159
18	Swift	4,078	166	981	174	34	227	3,053	162
19	Traverse	1,729	139	455	190	18	114	1,254	127
20	Yellow Medicine	3,837	178	642	211	24	220	3,174	173
Area 6:									
21	Carver	1,097	186	212	227	20	195	861	177
22	Dodge	5,684	165	458	241	48	196	5,175	160
23	Goodhue	4,291	167	341	218	68	162	3,882	167
24	McLeod	3,145	195	924	255	25	137	2,203	178
25	Meeke	3,194	158	718	248	2	114	2,474	142
26	Olmsted	5,125	158	203	233	6	267	4,924	155
27	Rice	3,726	181	401	311	70	97	3,230	173
28	Scott	1,034	165	141	248	...	...	893	157
29	Stearns	3,149	161	518	222	64	147	2,570	153
30	Steele	4,990	181	261	260	4	145	4,725	177
31	Wabasha	3,010	151	133	177	11	138	2,865	150
32	Washington	3,064	171	236	184	32	210	2,781	166
33	Winona	3,995	170	350	304	50	207	3,598	163
34	Wright	2,572	184	146	264	60	216	2,362	179
Metropolitan Area B:									
35	Anoka	2,382	223	271	225	9	144	2,077	217
36	Dakota	7,255	186	758	238	92	239	6,354	179
37	Hennepin	4,918	354	231	214	50	198	4,548	367
38	Ramsey	194	312	3	55	...	...	189	335
Area 7:									
39	Blue Earth	8,113	208	696	261	38	208	7,380	204
40	Brown	4,308	201	667	259	125	331	3,490	188
41	Fillmore	5,305	149	130	264	10	133	5,163	146
42	Freeborn	12,807	201	750	255	82	254	11,974	199
43	Houston	2,246	155	166	204	38	173	2,043	152
44	Le Sueur	2,785	199	178	235	21	165	2,599	198
45	Mower	11,699	170	302	250	38	120	11,409	169
46	Nicollet	4,380	199	682	278	38	317	3,659	188
47	Sibley	3,913	194	663	267	60	192	3,166	181
48	Waseca	3,765	211	220	235	22	144	3,509	209
Area 8:									
49	Cottonwood	5,612	161	1,000	204	25	250	4,536	154
50	Faribault	9,918	192	1,189	242	134	253	8,564	186
51	Jackson	8,317	168	1,426	229	54	131	6,836	159
52	Lincoln	2,123	178	739	197	5	200	1,380	167
53	Lyon	4,776	164	1,178	223	81	145	3,437	147
54	Martin	12,246	174	1,746	215	92	157	10,335	165
55	Murray	4,511	140	900	191	22	166	3,558	131
56	Nobles	5,086	158	1,407	222	115	183	3,552	140
57	Pipestone	3,297	153	742	243	18	206	2,537	138
58	Rock	2,760	148	438	173	92	121	2,230	145
59	Watowan	5,338	192	871	251	17	272	4,450	184

□ 0.05 percent or less

LIME, BY ECONOMIC AREAS AND BY COUNTIES: CENSUS OF 1954—Continued

Fertilizer—Continued								Lime			
Specified crops fertilized		Specified crops fertilized		Fruits, vegetables, and potatoes fertilized		Other crops fertilized except hay		Acres limed	Percent of total cropland plus improved pasture	Quantity used per acre (pounds)	
Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)				
<i>Corn</i>	<i>Corn</i>	<i>Oats</i>	<i>Oats</i>								
2,104	146	248	205	...	...	76	264	2,028	1.5	3,383	1
1,790	161	214	206	4	800	124	140	3,575	2.9	3,276	2
1,553	175	223	160	262	540	308	156	3,772	2.9	3,780	3
1,082	166	136	145	4	320	7	187	2,375	2.8	3,078	4
1,467	156	254	241	43	312	42	195	2,505	2.5	3,417	5
2,130	130	312	170	4	1,600	42	117	4,400	1.7	2,890	6
1,242	158	320	209	15	316	82	178	5,194	3.4	3,007	7
1,312	142	134	195	52	212	144	115	3,851	3.0	3,715	8
697	185	44	186	...	...	166	209	20	(2)	1,000	9
2,540	171	538	193	...	...	478	165	...	...	...	10
1,345	130	327	74	...	...	686	93	50	(2)	2,400	11
2,260	146	322	181	2	167	430	267	175	0.1	2,534	12
1,527	166	152	195	...	...	512	216	185	(2)	2,270	13
1,287	136	262	197	...	...	204	188	...	...	...	14
3,794	167	505	193	38	214	636	236	5	(2)	2,000	15
4,109	162	920	179	76	185	918	191	30	(2)	4,000	16
1,666	155	434	172	18	218	336	168	...	...	...	17
2,442	157	179	150	18	480	414	205	60	(2)	2,333	18
745	143	226	120	1	400	282	101	...	...	...	19
2,540	164	314	209	...	...	320	231	...	...	...	20
722	169	99	232	6	133	34	280	185	0.1	324	21
4,672	157	439	200	18	80	46	214	8,270	3.9	4,231	22
2,865	154	516	189	339	310	162	192	13,910	4.5	4,237	23
1,586	160	202	236	87	215	328	267	...	...	...	24
1,990	142	210	191	12	114	262	121	176	0.1	398	25
4,114	149	554	195	110	191	146	195	13,593	5.0	4,412	26
2,435	160	539	212	...	...	256	310	2,720	1.3	3,893	27
732	150	103	213	14	255	44	153	1,150	0.9	2,722	28
2,292	148	236	230	16	119	26	173	3,545	0.7	2,389	29
3,499	164	566	193	228	293	432	271	1,965	1.0	3,725	30
2,144	146	498	163	85	184	138	163	11,710	5.9	4,181	31
2,204	166	469	168	20	85	88	194	7,578	5.3	4,027	32
2,792	161	709	178	5	118	92	154	14,160	7.0	4,352	33
1,954	175	190	199	48	170	170	211	995	0.4	3,497	34
1,288	172	196	269	390	790	203	236	2,530	2.8	4,344	35
4,116	167	994	192	892	224	362	215	10,504	4.4	4,346	36
1,766	223	192	214	2,314	774	276	458	1,869	1.4	2,274	37
58	177	2	160	59	513	70	636	245	1.5	3,918	38
5,884	198	900	223	82	309	514	250	2,693	0.7	4,008	39
2,512	181	509	211	215	157	254	283	430	0.1	2,930	40
3,842	131	602	190	656	280	63	153	21,995	6.3	4,189	41
7,633	161	1,070	216	2,420	491	851	297	2,495	0.7	3,627	42
1,662	143	346	213	2	800	33	186	10,480	6.6	3,904	43
1,970	205	332	177	166	219	131	150	68	(2)	4,147	44
9,032	157	1,364	205	766	283	247	273	15,742	4.3	4,407	45
2,408	170	496	225	168	214	587	252	610	0.3	2,049	46
2,314	175	277	185	248	194	327	225	110	(2)	3,909	47
2,382	191	672	230	129	267	326	350	580	0.3	3,310	48
3,768	150	464	166	16	533	288	201	445	0.1	1,034	49
5,549	161	1,246	213	892	364	877	252	283	0.1	4,473	50
6,110	157	484	180	...	...	242	174	5	(2)	2,000	51
907	156	272	228	5	200	196	160	65	(2)	4,000	52
2,750	144	296	146	8	160	383	176	25	(2)	6,000	53
8,002	165	1,733	171	144	121	456	166	80	(2)	4,000	54
3,035	127	388	150	2	200	133	192	2,005	0.6	2,544	55
2,800	129	487	198	3	200	262	209	...	...	...	56
1,781	122	504	204	8	1,600	244	179	...	...	...	57
1,600	140	498	156	...	...	132	180	10	(2)	1,000	58
3,783	181	550	205	2	800	115	218	130	0.1	2,231	59

MISSISSIPPI
TONS OF FERTILIZER

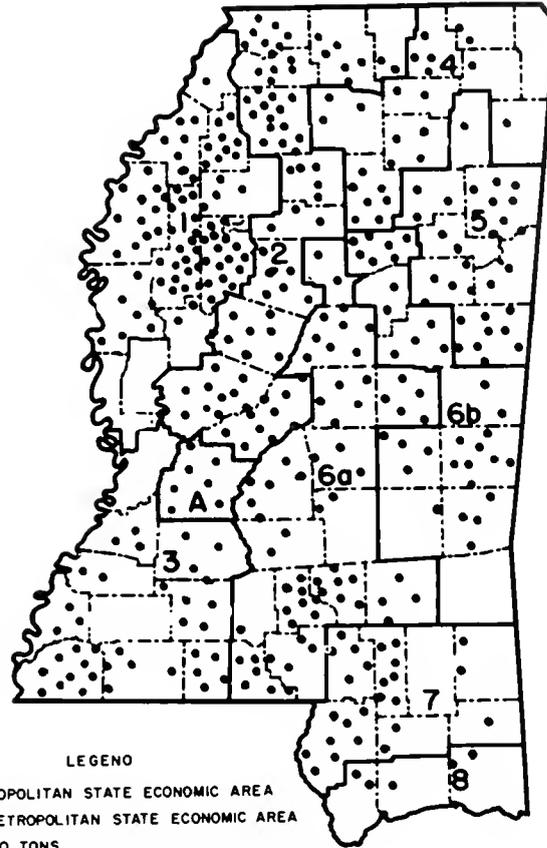


Map No. A54-426

Table 1.-USE OF FERTILIZER FOR SPECIFIED CROPS AND USE OF

State, economic area, and county	Fertilizer							
	All crops and all pasture fertilized		Hay and cropland pasture fertilized		Other pasture fertilized		All crops fertilized except hay	
	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)
1 Mississippi, total	708,729	319	56,655	279	29,689	264	618,052	325
Area 1:								
2 Bolivar	22,434	210	1,098	169	160	110	20,945	214
3 Coahoma	16,066	222	386	144	195	98	15,275	227
4 Humphreys	9,744	240	137	160	88	152	9,219	240
5 Issaquena	2,102	181	226	149	26	132	1,870	190
6 LeFlore	15,791	227	428	122	280	122	15,024	236
7 Quitman	9,252	216	212	122	104	105	8,812	221
8 Sharkey	4,194	180	97	86	92	116	3,970	187
9 Sunflower	25,005	222	1,224	153	595	152	23,040	229
10 Tallahatchie	14,234	242	194	227	240	132	13,582	237
11 Tunica	9,925	206	344	173	18	212	9,520	206
12 Washington	16,418	196	782	139	285	127	15,177	200
Area 2:								
13 Benton	6,887	398	750	437	117	266	5,939	398
14 Carroll	7,067	328	176	197	380	273	6,424	337
15 De Soto	9,821	298	831	317	229	281	8,735	295
16 Grenada	5,072	337	440	254	300	239	4,296	358
17 Holmes	11,645	282	516	178	363	134	10,682	300
18 Madison	17,746	349	1,314	276	946	242	15,412	364
19 Marahall	13,762	426	424	244	101	231	13,242	436
20 Panola	13,673	382	565	282	121	231	12,970	385
21 Tate	10,505	415	580	354	333	341	9,558	425
22 Yalobusha	5,385	377	374	232	42	202	4,949	399
23 Yazoo	16,452	285	591	168	503	242	14,848	283
Area 3:								
24 Adams	1,657	291	192	184	520	456	942	267
25 Amite	8,838	398	1,709	431	477	249	6,571	401
26 Claiborne	2,858	276	588	207	160	244	2,092	304
27 Copiah	9,165	441	796	278	929	308	7,406	495
28 Franklin	2,840	290	233	157	650	253	1,934	344
29 Jefferson	3,244	295	242	205	357	223	2,624	320
30 Lincoln	8,738	376	1,834	390	990	283	5,919	395
31 Pike	7,572	390	1,488	401	471	400	5,577	392
32 Warren	2,230	200	180	115	116	110	1,922	227
33 Wilkinson	2,242	249	578	287	240	226	1,394	232
Metropolitan Area A:								
34 Hinds	16,191	347	2,307	275	1,166	257	12,620	370

MISSISSIPPI
TONS OF LIME.



LEGEND
 1 METROPOLITAN STATE ECONOMIC AREA
 2 NONMETROPOLITAN STATE ECONOMIC AREA
 1 DOT = 500 TONS

Map No. A54-429

LIME, BY ECONOMIC AREAS AND BY COUNTIES: CENSUS OF 1954—Continued

Fertilizer—Continued								Lime			
Specified crops fertilized		Specified crops fertilized		Fruits, vegetables, and potatoes fertilized		Other crops fertilized except hay		Acres limed	Percent of total cropland plus improved pasture	Quantity used per acre (pounds)	
Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)				
Corn 203,871	Corn 294	Cotton 340,805	Cotton 355	34,831	517	38,545	210	216,825	2.5	1,717	1
1,439	212	16,361	243	40	205	3,105	133	5,670	1.5	2,146	2
2,470	243	11,535	235	1	67	1,269	160	3,214	1.4	2,029	3
799	240	7,266	259	26	297	1,128	161	555	0.4	3,686	4
221	210	1,253	189	...	...	396	184	...	...	...	5
1,925	241	10,601	251	1	1,000	2,497	188	6,160	2.6	2,650	6
1,447	233	6,769	223	12	364	584	181	3,765	2.4	2,481	7
486	187	3,059	195	1	133	424	144	...	...	...	8
1,974	206	17,423	245	127	193	3,516	182	9,647	2.7	2,179	9
3,208	225	9,012	263	26	578	1,336	153	2,965	1.5	1,258	10
1,527	240	6,820	216	4	400	1,169	142	330	0.2	3,436	11
1,018	216	11,290	225	44	393	2,825	135	2,735	0.9	2,244	12
2,364	310	3,424	492	37	779	114	367	1,050	1.8	1,962	13
2,283	255	3,723	400	16	291	402	547	2,843	3.4	2,215	14
2,043	256	6,094	312	54	651	544	278	3,349	2.1	2,262	15
1,018	252	3,123	416	10	333	145	351	2,059	3.7	1,311	16
2,939	247	7,119	342	142	456	482	190	4,060	2.3	1,607	17
4,490	274	9,445	456	51	543	1,426	275	8,459	4.4	1,305	18
3,244	311	9,575	502	114	669	309	442	4,352	2.5	1,416	19
3,193	370	9,192	402	37	326	548	268	8,702	4.7	1,574	20
2,738	374	6,597	455	23	648	200	318	2,353	2.3	1,991	21
1,576	311	2,849	445	130	535	394	581	2,974	3.7	1,590	22
4,074	231	9,220	332	26	1,106	1,528	219	3,626	1.7	2,581	23
175	186	559	298	19	314	189	290	1,742	4.8	1,470	24
3,112	321	2,843	520	326	706	290	378	4,085	3.8	1,275	25
717	253	1,058	335	14	757	303	350	2,374	2.9	1,090	26
2,358	369	2,491	452	2,353	951	204	337	2,061	2.0	1,547	27
1,208	305	548	410	116	609	62	431	235	0.6	1,498	28
1,059	247	1,442	412	24	282	99	302	1,076	2.0	1,519	29
3,333	355	2,008	487	226	729	352	307	4,709	4.8	1,221	30
2,862	326	1,914	516	357	540	444	421	3,682	3.8	1,010	31
843	199	882	255	9	247	188	259	100	0.2	2,500	32
672	203	634	264	52	351	36	257	4,930	6.8	2,016	33
4,076	281	7,441	430	696	705	407	297	4,590	2.2	1,481	34

USE OF FERTILIZER AND LIME

Table 1.—USE OF FERTILIZER FOR SPECIFIED CROPS AND USE OF

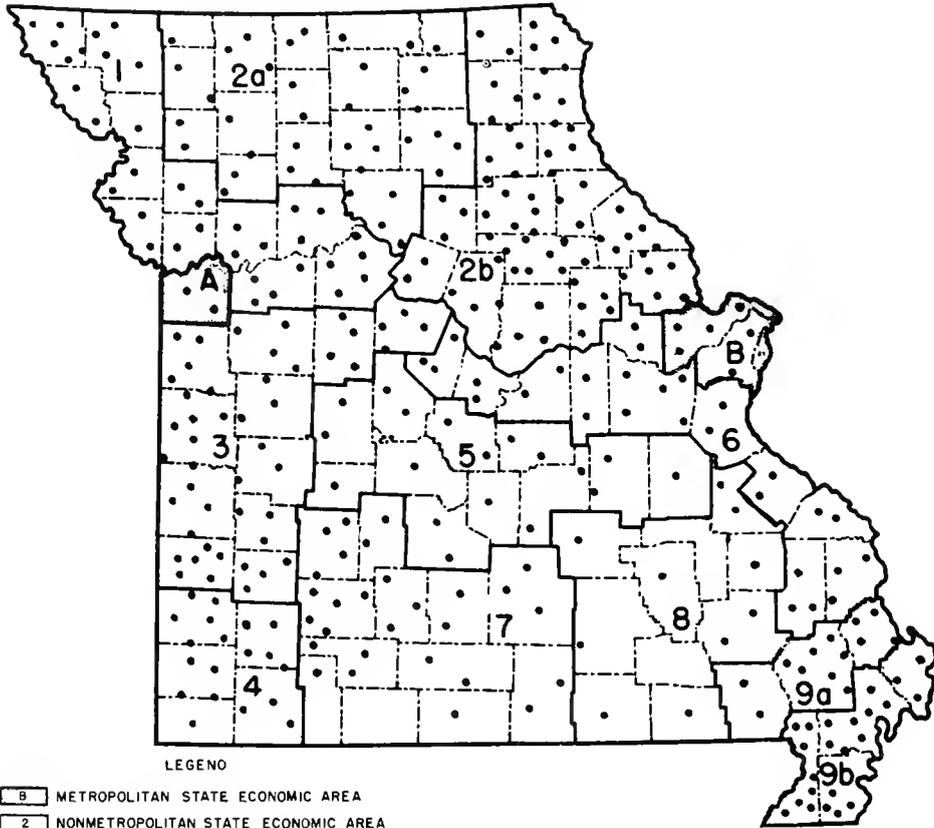
State, economic area, and county	Fertilizer								
	All crops and all pasture fertilized		Hay and cropland pasture fertilized		Other pasture fertilized		All crops fertilized except hay		
	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	
Mississippi—Continued									
Area 4:									
1	Alcorn	7,686	367	240	339	145	237	7,227	367
2	Calhoun	10,366	371	591	319	434	237	9,235	384
3	Itawamba	6,807	337	378	373	198	358	6,212	330
4	Lafayette	9,540	407	472	330	278	334	8,749	415
5	Pontotoc	10,018	348	318	339	90	225	9,509	355
6	Prentiss	10,387	410	238	305	70	207	10,070	417
7	Tippah	10,335	417	214	499	77	126	10,081	421
8	Tishomingo	5,944	366	288	291	116	265	5,525	376
9	Union	9,775	383	229	271	84	420	9,471	387
Area 5:									
10	Chickasaw	6,500	343	231	221	470	259	5,787	359
11	Clay	3,984	354	439	268	302	317	3,233	375
12	Lee	10,627	348	614	320	259	284	9,801	358
13	Lowndes	8,006	290	714	259	475	314	6,751	292
14	Monroe	13,489	317	1,064	303	591	186	11,718	329
15	Noxubee	10,087	397	1,943	384	1,191	362	6,907	402
16	Oktibbeha	2,422	316	209	215	199	335	1,991	325
Area 6a:									
17	Attala	9,672	364	754	290	589	331	8,320	376
18	Covington	7,615	321	1,086	267	344	216	6,189	342
19	Jefferson Davis	10,410	350	900	265	537	374	8,951	359
20	Jones	11,238	410	1,733	337	834	312	8,682	450
21	Lawrence	6,414	350	517	260	434	388	5,338	350
22	Leake	11,080	394	490	275	260	374	10,210	407
23	Marion	9,057	350	1,245	269	674	308	7,103	366
24	Montgomery	4,657	403	355	433	234	337	4,006	401
25	Neshoba	11,877	363	1,449	324	301	233	10,113	380
26	Rankin	9,296	380	1,119	290	965	322	7,210	418
27	Scott	7,944	382	356	286	198	298	7,386	391
28	Simpson	10,078	384	589	355	593	274	8,859	395
29	Smith	9,120	372	650	281	390	264	8,105	398
30	Walthall	11,827	396	2,349	441	593	352	8,867	385
Area 6b:									
31	Choctaw	4,074	353	341	368	114	234	3,612	359
32	Clarke	5,769	368	804	289	227	397	4,687	383
33	Jasper	7,270	363	530	221	550	323	6,107	383
34	Kemper	6,895	327	363	276	154	157	6,353	336
35	Lauderdale	6,961	374	629	245	300	307	6,011	399
36	Newton	9,101	344	1,056	238	300	268	7,635	369
37	Wayne	6,024	345	374	274	70	234	5,493	354
38	Webster	5,695	365	318	218	256	236	5,148	401
39	Winston	9,535	368	548	260	246	236	8,756	387
Area 7:									
40	Forrest	3,373	407	803	406	533	431	2,036	404
41	George	6,240	439	619	383	314	308	5,246	454
42	Greene	3,439	325	126	183	89	262	3,177	336
43	Lamar	5,591	359	682	272	518	478	4,367	367
44	Pearl River	21,311	513	2,871	427	1,363	372	17,066	552
45	Perry	3,034	336	259	227	139	281	2,615	357
46	Stone	1,766	414	226	254	247	419	1,269	452
Area 8:									
47	Hancock	2,153	361	770	355	74	138	1,323	402
48	Harrison	2,975	526	928	622	346	412	1,685	510
49	Jackson	2,510	423	798	374	330	737	1,370	412

LIME, BY ECONOMIC AREAS AND BY COUNTIES: CENSUS OF 1954—Continued

Fertilizer—Continued								Lime			
Specified crops fertilized		Specified crops fertilized		Fruits, vegetables, and potatoes fertilized		Other crops fertilized except hay		Acres limed	Percent of total cropland plus improved pasture	Quantity used per acre (pounds)	
Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)				
Corn	Corn	Cotton	Cotton								
3,082	284	3,992	472	92	634	61	398	985	1.3	1,645	1
3,654	291	5,017	483	202	564	362	505	4,169	4.2	1,748	2
3,142	283	2,976	398	68	425	26	306	1,065	1.5	1,131	3
2,294	221	5,139	507	251	540	81	375	2,140	2.3	1,390	4
3,424	26	5,964	462	38	531	161	161	1,800	1.8	2,063	5
3,952	110	5,869	555	100	465	149	231	325	0.4	2,123	6
4,268	124	1,550	551	97	562	166	332	3,353	4.1	1,337	7
2,723	320	2,550	462	94	684	158	313	470	0.9	798	8
3,718	300	5,609	481	22	550	122	334	1,270	1.5	1,520	9
1,629	274	3,845	423	113	480	200	228	1,917	2.0	1,811	10
392	298	1,999	431	6	1,091	336	340	1,266	1.5	1,814	11
3,077	274	6,131	424	89	890	304	266	890	0.7	1,169	12
1,306	231	1,575	365	24	371	626	223	777	0.6	2,285	13
1,224	255	6,717	397	12	274	1,043	327	4,259	2.5	1,939	14
1,174	287	4,626	460	26	1,020	364	364	3,874	2.6	2,306	15
230	268	927	404	13	448	224	310	502	0.	2,876	16
3,421	291	4,600	477	96	571	204	364	4,861	5.3	1,618	17
2,730	273	2,727	461	51	492	166	162	4,700	5.9	1,592	18
3,680	269	4,488	481	669	465	114	243	4,108	4.6	1,834	19
4,417	374	3,982	566	1,029	738	284	313	3,367	3.5	1,145	20
2,632	277	2,486	467	178	774	52	256	740	1.2	1,189	21
4,426	328	5,466	509	146	521	172	308	2,858	3.2	1,718	22
3,563	298	1,807	426	541	555	189	278	4,001	4.1	1,107	23
1,406	290	2,508	526	23	630	69	273	839	1.4	2,818	24
5,057	308	4,748	508	134	524	109	227	3,186	2.1	1,465	25
3,347	358	2,407	502	311	696	645	381	3,433	3.6	1,691	26
3,604	331	3,421	491	107	943	264	283	2,369	2.2	1,428	27
3,753	309	4,248	517	600	494	158	307	1,282	1.4	1,608	28
3,676	318	3,565	427	676	513	208	269	827	1.0	2,515	29
4,012	298	3,476	436	380	673	444	621	2,889	2.8	2,001	30
1,970	294	1,411	486	137	627	88	362	1,298	1.0	1,270	31
2,866	344	1,423	515	172	414	226	307	2,926	5.2	1,364	32
3,385	310	2,360	541	244	622	118	402	1,276	1.8	1,212	33
3,164	264	2,444	469	91	418	154	363	1,660	1.9	1,360	34
3,172	339	2,130	531	344	434	165	347	494	7.6	1,694	35
4,128	296	3,128	536	158	760	221	316	2,111	2.4	1,753	36
3,105	382	2,094	535	192	624	102	351	208	0.3	2,144	37
2,022	302	2,730	521	44	533	352	431	3,780	7.0	1,823	38
4,158	308	4,119	536	105	504	274	302	2,327	2.6	1,734	39
1,078	361	396	454	203	557	360	437	4,693	10.1	1,594	40
3,374	411	542	646	1,024	541	106	421	413	1.1	1,327	41
2,065	272	428	600	646	209	38	425	1,764	6.3	1,154	42
1,776	317	1,193	427	1,221	366	178	338	2,690	5.0	1,952	43
2,146	560	150	500	14,476	560	240	299	5,844	5.2	1,325	44
1,428	379	447	496	704	275	36	379	344	1.1	710	45
724	446	120	836	383	412	42	372	410	3.8	1,967	46
520	516	16	582	681	322	106	765	1,286	6.6	1,272	47
499	114	1	1,116	504	70	70	583	902	3.3	1,390	48
600	368	40	1,067	618	433	112	482	617	2.2	2,684	49

MISSOURI

TONS OF FERTILIZER



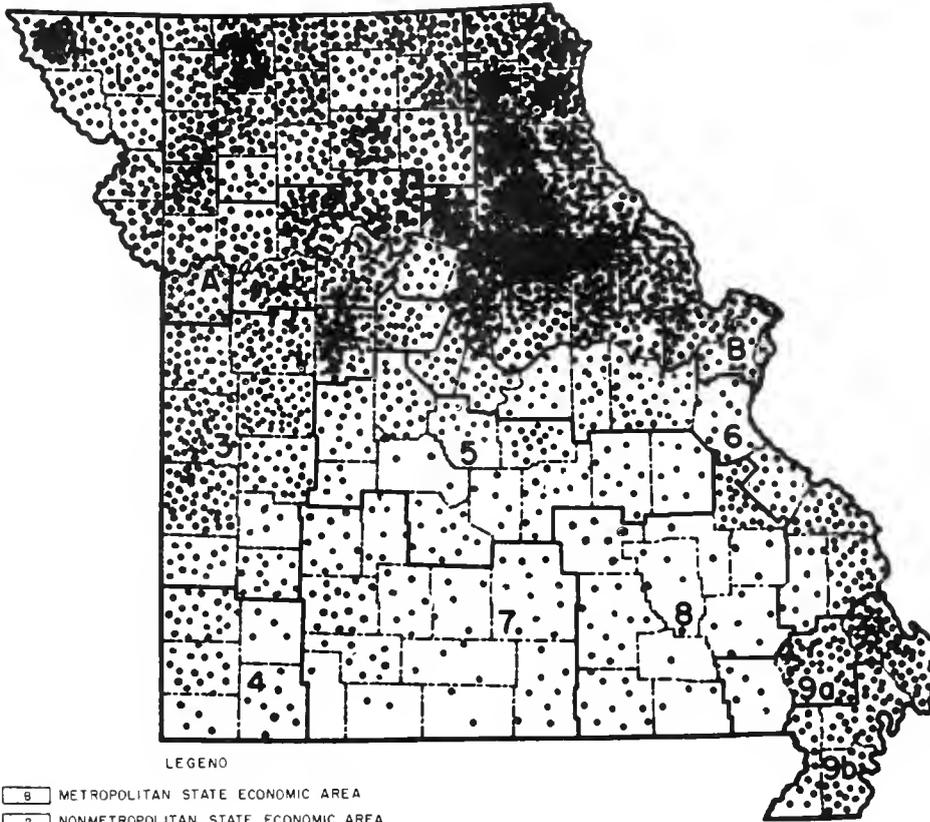
Map No. A54-426

Table I.—USE OF FERTILIZER FOR SPECIFIED CROPS AND USE OF

State, economic area, and county	Fertilizer							
	All crops and all pasture fertilized		Hay and cropland pasture fertilized		Other pasture fertilized		All crops fertilized except hay	
	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)
1 Missouri, total.....	674,189	220	77,352	284	20,816	291	571,468	210
Area 1:								
2 Andrew.....	2,600	223	483	268	137	341	1,963	206
3 Atchison.....	9,195	193	526	259	400	250	8,111	184
4 Buchanan.....	3,282	202	431	428	263	239	2,638	183
5 Carroll.....	6,831	171	445	269	329	468	6,036	160
6 Clinton.....	4,230	210	469	248	218	406	3,520	198
7 Holt.....	3,753	175	160	257	44	244	3,536	173
8 Lafayette.....	7,344	223	1,161	354	232	303	5,938	205
9 Madaway.....	8,025	239	1,803	368	332	306	5,760	205
10 Platte.....	4,902	225	594	295	210	407	4,075	214
11 Ray.....	6,261	187	746	261	157	265	5,360	178
12 Saline.....	9,190	235	979	392	150	261	7,992	223
Metropolitan Area A:								
13 Clay.....	4,353	263	860	329	276	359	3,217	249
14 Jackson.....	4,526	283	773	356	163	236	3,554	270
Area 2a:								
15 Adair.....	5,419	220	598	259	176	349	4,605	212
16 Caldwell.....	4,469	205	702	427	105	276	3,664	187
17 Chariton.....	8,285	206	1,084	292	374	395	6,803	194
18 Daviess.....	4,578	203	636	383	151	508	3,747	180
19 De Kalb.....	4,098	189	431	295	93	195	3,550	181
20 Geny.....	3,899	202	651	387	54	335	3,171	184
21 Grundy.....	4,611	216	376	206	189	262	4,042	216
22 Harrison.....	5,120	208	677	413	168	307	4,230	187
23 Linn.....	7,140	249	795	428	395	329	5,945	230
24 Livingston.....	5,615	240	708	423	518	441	4,774	224
25 Macon.....	7,891	249	840	392	408	441	6,605	230
26 Mercer.....	3,348	233	828	284	256	198	2,266	223
27 Putnam.....	3,445	251	416	259	98	256	2,921	251
28 Schuyler.....	2,332	259	390	387	105	277	1,800	232
29 Sullivan.....	4,647	207	579	249	123	209	3,918	200
30 Worth.....	2,037	222	274	278	162	460	1,608	205

2 Less than one-half unit (acres or tons reported or percent). 1 These figures represent all counties in the States where cotton was enumerated in 1954. 2 These figures for use of fertilizer on wheat do not represent all counties in the State. Separate data are not available for 30 Southeastern Counties.

MISSOURI
TONS OF LIME



Map No. A54-427

LEGEND

- 8 METROPOLITAN STATE ECONOMIC AREA
- 2 NONMETROPOLITAN STATE ECONOMIC AREA
- 1 OOT = 500 TONS

LIME, BY ECONOMIC AREAS AND BY COUNTIES: CENSUS OF 1954—Continued

Fertilizer—Continued								Lime			
Specified crops fertilized		Specified crops fertilized		Fruits, vegetables, and potatoes fertilized		Other crops fertilized except hay		Acres limed	Percent of total cropland plus improved pasture	Quantity used per acre (pounds)	
Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)				
Corn 274,020	Corn 212	Cotton 140,836 wheat 2101,549	Cotton 125. wheat 2209	3,675	309	151,388	198	675,776	3.7	4,302	1
1,390	223	315	183	20	216	238	160	4,088	2.8	3,397	2
7,380	186	257	124	20	348	454	192	13,043	4.9	3,356	3
1,772	174	535	179	19	271	312	255	6,530	4.6	2,845	4
3,882	159	1,334	160	4	533	816	164	12,342	4.6	3,942	5
2,272	201	606	188	2	800	640	197	6,648	4.2	5,019	6
3,101	176	185	146	2	400	248	160	3,659	2.0	3,437	7
3,357	211	1,224	203	51	70	1,306	209	12,421	5.0	3,909	8
4,079	195	569	212	20	381	1,092	252	9,931	2.6	3,641	9
2,434	205	861	170	37	290	743	373	3,630	2.6	4,436	10
3,477	181	1,088	167	68	342	727	176	5,788	2.7	3,668	11
6,138	225	1,160	215	26	239	668	216	15,011	4.5	3,988	12
2,305	244	433	189	25	200	454	423	4,309	3.2	3,584	13
2,262	270	742	253	198	373	352	265	6,307	5.3	3,584	14
3,272	220	579	209	18	164	736	185	8,340	4.9	4,654	15
2,000	180	961	201	36	480	667	180	3,694	2.2	3,973	16
4,409	195	1,622	195	2	667	770	187	11,907	4.6	3,672	17
1,939	184	1,126	175	...	...	682	176	7,642	4.2	4,759	18
2,161	183	676	194	23	164	690	163	8,662	6.4	3,570	19
1,799	160	1,073	247	...	...	299	178	6,799	4.2	3,656	20
2,704	223	522	221	2	(Z)	814	194	7,145	5.3	4,404	21
2,272	191	756	186	20	258	1,182	179	12,827	6.1	4,706	22
4,059	235	924	238	...	...	962	205	10,811	4.5	3,970	23
2,860	229	1,071	216	21	1,050	822	213	6,039	3.3	3,934	24
4,253	217	1,348	255	4	800	1,000	261	6,914	2.7	4,566	25
1,408	217	322	237	10	154	526	235	7,245	5.4	4,627	26
1,842	219	212	381	...	...	867	326	7,906	6.3	4,143	27
1,151	230	120	202	1	400	528	243	4,963	6.9	4,164	28
2,793	194	384	223	1	400	740	214	5,650	3.7	3,944	29
1,010	192	286	180	4	1,600	308	311	4,814	4.5	2,923	30

USE OF FERTILIZER AND LIME

Table 1.—USE OF FERTILIZER FOR SPECIFIED CROPS AND USE OF

State, economic area, and county	Fertilizer								
	All crops and all pasture fertilized		Hay and cropland pasture fertilized		Other pasture fertilized		All crops fertilized except hay		
	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	
Missouri—Continued									
Area 2b:									
1	Audrain.....	17,186	263	1,042	297	503	325	15,645	261
2	Boone.....	8,910	237	928	260	489	391	7,386	224
3	Callaway.....	8,288	238	802	307	384	223	7,009	227
4	Clark.....	7,231	249	330	343	194	309	6,645	238
5	Howard.....	4,469	242	492	338	139	320	3,834	231
6	Knox.....	7,531	237	1,078	451	174	575	6,565	214
7	Lewis.....	8,644	257	491	312	232	286	7,900	254
8	Lincoln.....	12,563	266	1,016	327	289	335	11,148	258
9	Marion.....	8,554	249	748	381	159	370	7,611	243
10	Monroe.....	12,606	255	362	341	340	325	11,178	248
11	Montgomery.....	9,893	248	506	282	175	312	9,123	242
12	Pike.....	11,533	277	1,248	358	458	418	9,647	256
13	Ralls.....	6,703	235	580	309	247	318	5,772	224
14	Randolph.....	5,091	234	432	243	204	193	4,322	228
15	Scotland.....	4,506	206	245	258	136	495	4,079	197
16	Shelby.....	9,239	230	910	238	299	232	8,003	227
Area 3:									
17	Barton.....	12,545	182	424	243	304	265	11,730	179
18	Bates.....	11,533	154	669	189	343	211	10,292	150
19	Cass.....	4,722	182	878	258	230	184	8,380	175
20	Cedar.....	5,242	158	247	143	141	147	4,713	156
21	Cooper.....	8,660	219	482	242	168	481	7,996	216
22	Dade.....	7,524	186	703	235	130	132	6,589	182
23	Henry.....	8,530	171	777	240	818	519	7,077	157
24	Johnson.....	7,982	210	673	252	494	425	6,811	201
25	Pettis.....	8,318	184	727	246	293	236	7,219	180
26	St. Clair.....	5,296	157	460	217	166	278	4,654	150
27	Vernon.....	10,689	153	423	256	250	187	9,883	148
Area 4:									
28	Barry.....	6,411	226	1,576	247	214	203	4,524	222
29	Jasper.....	11,494	191	669	259	211	245	10,460	185
30	Lawrence.....	10,975	183	1,703	196	316	185	8,867	176
31	McDonald.....	2,425	225	642	238	30	179	1,760	225
32	Newton.....	7,475	217	1,168	250	198	286	6,021	209
Area 5:									
33	Benton.....	4,848	195	527	315	65	291	4,219	182
34	Camden.....	1,071	248	154	227	84	372	835	242
35	Crawford.....	3,111	298	992	342	124	415	1,992	274
36	Hickory.....	2,456	168	191	221	30	179	2,198	162
37	Laclede.....	3,602	198	248	146	58	161	3,246	197
38	Marion.....	3,270	217	422	309	130	385	2,717	204
39	Miller.....	3,947	217	740	305	119	257	3,023	196
40	Morgan.....	3,919	197	430	252	63	205	3,359	190
41	Phelps.....	3,057	252	572	322	46	316	2,445	241
42	Pulaski.....	1,326	230	188	234	110	235	1,030	226
43	Washington.....	1,703	256	610	256	101	259	965	252
Area 6:									
44	Bollinger.....	5,346	216	524	218	38	238	4,732	213
45	Cape Girardeau.....	6,376	200	998	293	243	293	5,093	184
46	Cole.....	3,609	213	324	258	87	273	3,182	207
47	Franklin.....	9,342	270	1,758	333	232	315	7,844	259
48	Gasconade.....	4,206	236	331	321	77	293	3,721	224
49	Jefferson.....	3,171	275	800	323	160	258	2,172	255
50	Moniteau.....	5,204	204	476	296	194	290	4,481	197
51	Osage.....	4,909	255	596	315	132	454	4,164	243
52	Perry.....	4,341	244	1,073	377	204	355	3,662	216
53	Ste. Genevieve.....	3,994	247	1,049	358	220	295	2,791	218
54	Warren.....	4,286	236	168	288	123	392	3,991	232
Metropolitan Area B:									
55	St. Charles.....	8,520	268	1,200	348	302	301	6,977	250
56	St. Louis.....	3,834	311	379	342	66	256	3,384	309
57	St. Louis City.....								
Area 7:									
58	Christian.....	5,989	231	1,432	254	206	273	4,312	223
59	Dallas.....	4,355	214	514	200	170	229	3,615	211
60	Douglas.....	3,011	242	881	276	68	289	2,046	228
61	Greene.....	9,919	203	2,028	224	284	282	7,470	194
62	Howell.....	3,745	256	1,286	267	282	337	2,154	240
63	Ozark.....	1,286	265	416	310	44	320	831	245
64	Polk.....	7,409	184	777	222	102	216	6,406	179
65	Stone.....	2,021	260	642	247	62	370	1,305	256
66	Taney.....	692	281	430	294	65	281	198	263
67	Texas.....	5,546	231	1,598	242	131	230	3,912	222
68	Webster.....	5,371	224	844	224	179	240	4,257	220
69	Wright.....	3,815	277	790	289	103	235	2,882	276

LIME, BY ECONOMIC AREAS AND BY COUNTIES: CENSUS OF 1954—Continued

Fertilizer—Continued								Lime			
Specified crops fertilized		Specified crops fertilized		Fruits, vegetables, and potatoes fertilized		Other crops fertilized except hay		Acres limed	Percent of total cropland plus improved pasture	Quantity used per acre (pounds)	
Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)				
Corn	Corn	Wheat	Wheat								
10,054	275	3,063	252	23	132	2,505	224	24,744	8.2	5,911	1
4,308	231	1,684	211	76	365	1,318	215	12,563	5.8	4,235	2
4,039	227	1,347	237	1	400	1,622	220	10,137	4.9	4,307	3
3,677	228	1,288	209	24	190	1,656	223	11,691	7.6	5,379	4
2,534	215	657	248	42	219	601	301	3,849	2.7	4,035	5
3,824	198	1,219	248	4	533	1,518	236	12,763	6.4	5,013	6
4,910	267	1,752	228	4	308	1,234	250	13,142	7.8	4,521	7
7,521	275	2,345	233	8	291	1,324	219	12,611	6.5	4,074	8
4,196	252	1,876	228	2	400	1,537	238	11,341	7.2	4,016	9
7,165	253	2,520	291	33	239	1,460	221	17,089	7.7	4,830	10
5,382	255	2,101	240	10	222	1,330	216	8,181	5.1	5,345	11
6,221	257	1,554	234	90	271	1,782	274	12,673	5.9	4,544	12
3,740	229	1,252	224	8	400	772	199	6,881	4.2	4,846	13
2,560	232	870	242	6	750	886	208	10,579	7.8	4,746	14
2,508	187	578	255	12	240	681	147	6,852	4.4	4,219	15
4,548	231	2,008	246	...	...	1,447	194	15,072	7.7	4,803	16
3,437	175	3,789	209	41	315	4,563	162	3,195	1.4	4,223	17
4,080	142	2,504	168	12	229	3,696	148	9,040	3.2	4,783	18
4,326	175	1,556	182	16	160	4,502	170	8,474	3.7	4,274	19
1,458	149	1,375	176	8	...	1,972	151	1,740	1.3	1,846	20
4,454	249	1,620	204	70	114	1,892	173	5,619	2.7	4,586	21
1,505	182	1,972	210	...	...	3,112	169	5,452	4.2	2,332	22
2,916	148	1,811	179	10	667	2,340	154	7,943	3.3	5,695	23
3,329	206	1,484	190	...	1,600	1,989	202	12,956	5.1	3,914	24
3,344	176	1,679	192	14	54	4,157	177	15,979	5.9	4,900	25
1,779	143	1,378	160	101	130	1,346	151	5,231	3.5	4,624	26
3,444	136	2,059	171	71	170	3,404	144	13,740	5.1	3,018	27
735	261	1,027	225	92	319	2,670	211	2,283	1.2	3,689	28
2,131	184	3,436	204	25	239	4,468	174	5,449	2.6	3,666	29
1,291	174	2,317	193	38	230	5,221	179	3,420	1.7	4,002	30
242	249	394	214	34	453	1,088	222	293	1.0	3,924	31
1,011	230	1,545	211	77	670	3,368	200	413	2.6	3,903	32
1,679	175	1,027	196	11	846	1,502	179	3,459	2.6	4,656	33
324	251	215	218	4	400	292	252	768	1.6	4,003	34
967	259	...	...	11	244	1,014	290	2,123	2.5	4,681	35
842	160	500	146	...	...	806	149	1,267	1.8	4,410	36
1,149	201	1,020	197	8	151	1,069	194	2,891	1.9	4,167	37
1,164	224	...	...	10	1,333	1,543	191	3,327	3.6	4,740	38
961	194	490	309	5	182	1,067	187	2,123	2.1	4,591	39
1,040	207	1,176	199	4	400	1,139	170	5,092	4.6	3,481	40
796	256	8	400	6	300	1,635	234	2,848	3.3	3,695	41
624	212	...	...	...	...	1,292	251	1,684	1.9	4,684	42
288	226	...	...	21	311	656	263	1,199	2.3	5,713	43
2,604	207	16	267	8	400	2,102	219	1,740	1.4	4,989	44
2,564	176	20	205	5	667	2,504	194	5,928	2.7	4,399	45
989	201	951	203	12	393	1,230	215	2,654	2.5	4,978	46
4,055	279	2,380	242	48	237	1,361	240	5,956	2.8	5,077	47
1,623	221	1,408	232	12	400	678	214	3,254	3.0	4,704	48
1,169	270	...	...	62	322	941	236	2,250	2.2	4,591	49
2,307	211	918	191	12	166	1,244	178	4,188	3.4	4,218	50
1,592	264	...	...	16	1,280	2,556	231	2,475	2.4	4,223	51
1,758	214	...	...	10	333	1,894	217	4,525	3.2	4,855	52
1,483	206	...	...	3	300	1,305	234	1,923	2.1	6,166	53
2,288	244	1,066	204	10	571	627	246	5,038	5.7	4,301	54
3,970	286	2,228	216	41	547	738	204	8,439	4.6	4,272	55
1,121	268	981	246	776	600	506	337	2,488	2.8	5,046	56
1,028	240	974	228	2	800	2,308	214	2,254	1.6	3,437	58
1,080	193	872	234	24	223	1,639	212	1,765	1.6	3,796	59
471	261	598	229	4	320	973	213	1,045	1.0	4,201	60
1,513	197	1,581	190	91	428	4,285	193	5,026	2.2	2,946	61
872	240	...	...	26	547	1,256	236	2,047	1.4	3,868	62
143	266	250	234	11	880	427	240	659	0.9	3,593	63
1,380	165	1,596	193	20	284	3,410	178	2,237	1.4	4,494	65
386	259	146	270	88	433	685	240	530	0.4	2,453	65
12	133	53	248	2	200	131	299	566	1.0	2,657	66
970	205	188	244	6	1,091	2,748	227	2,568	1.5	4,104	67
1,257	209	1,183	235	46	219	1,771	219	1,784	1.3	4,166	68
795	301	1,228	268	16	337	843	265	1,435	1.3	3,554	69

Table 1.—USE OF FERTILIZER FOR SPECIFIED CROPS AND USE OF

State, economic area, and county		Fertilizer							
		All crops and all pasture fertilized		Hay and cropland pasture fertilized		Other pasture fertilized		All crops fertilized except hay	
		Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)
Missouri—Continued									
Area 8:									
1	Carter.....	516	244	190	252	9	300	310	231
2	Dent.....	1,993	227	421	249	30	522	1,527	218
3	Iron.....	707	262	265	304	46	341	390	236
4	Madison.....	1,748	241	484	283	75	292	1,202	230
5	Oregon.....	2,986	301	1,127	377	173	348	1,680	262
6	Reynolds.....	1,701	272	610	288	58	230	1,042	267
7	Ripley.....	2,178	209	276	203	23	204	1,880	210
8	St. Francois.....	3,275	280	890	286	382	418	2,001	256
9	Shannon.....	1,483	247	336	236	104	252	1,043	248
10	Wayne.....	3,005	238	642	304	42	251	2,268	224
Area 9a:									
11	Butler.....	4,615	236	244	274	60	286	4,323	231
12	Scott.....	7,340	211	118	258	58	121	7,070	210
13	Stoddard.....	14,403	221	438	242	180	296	13,766	219
Area 9b:									
14	Dunklin.....	15,026	287	145	283	10	235	14,666	285
15	Mississippi.....	6,486	217	180	235	70	156	6,217	219
16	New Madrid.....	15,088	245	434	261	14	215	14,532	244
17	Pemiscot.....	8,438	250	552	340	100	204	7,748	241

LIME, BY ECONOMIC AREAS AND BY COUNTIES: CENSUS OF 1954—Continued

Fertilizer—Continued								Lime		
Specified crops fertilized		Specified crops fertilized		Fruits, vegetables, and potatoes fertilized		Other crops fertilized except hay		Acres limed	Percent of total cropland plus improved pasture	Quantity used per acre (pounds)
Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)			
<i>Corn</i>	<i>Corn</i>	<i>Cotton</i>	<i>Cotton</i>							
168	218	...	...	6	343	136	245	470	2.5	2,404
626	221	...	...	8	267	893	216	1,725	2.1	3,241
187	217	...	...	10	667	193	248	500	1.7	4,500
527	210	5	286	8	800	662	246	538	1.0	5,985
774	275	...	...	10	667	896	251	2,091	2.3	4,379
638	275	...	...	8	333	396	254	870	2.0	5,324
818	201	280	268	42	400	740	198	855	1.1	3,357
984	273	...	...	53	684	964	233	4,978	6.1	4,676
420	255	...	...	14	560	609	241	2,068	3.1	5,149
1,432	211	22	550	16	1,067	798	242	1,176	1.9	5,332
1,522	215	2,171	259	38	241	592	191	1,215	0.8	3,745
2,986	204	2,584	247	36	214	1,464	174	9,297	4.8	3,640
5,558	201	4,893	230	61	359	3,254	236	9,166	2.7	4,340
3,130	258	10,571	299	236	328	729	217	4,205	1.8	3,177
2,638	224	2,604	246	123	302	852	152	7,516	4.2	2,841
2,968	245	10,756	244	25	266	783	242	7,051	2.3	3,769
848	360	6,718	233	...	...	182	181	4,082	1.6	3,465

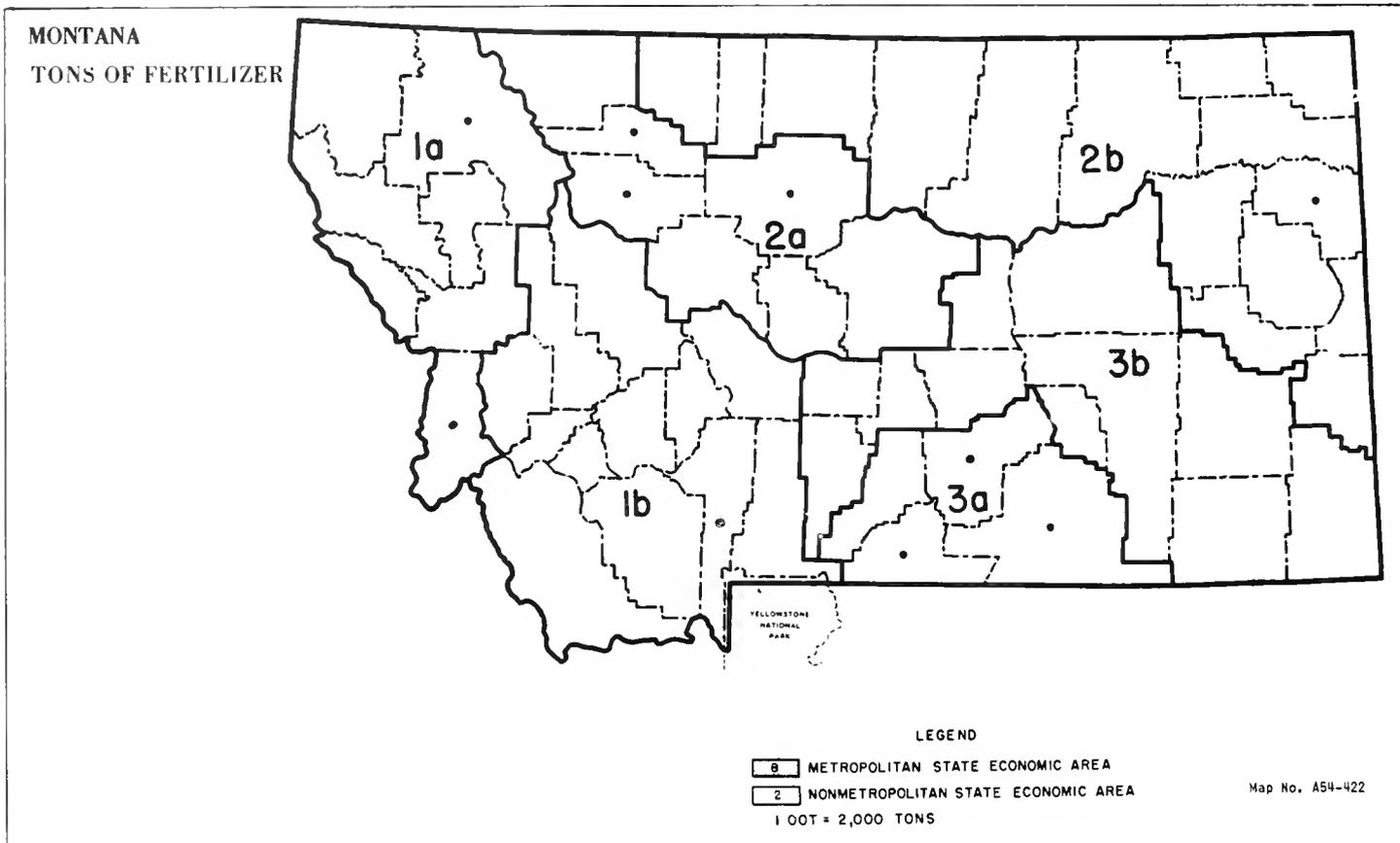
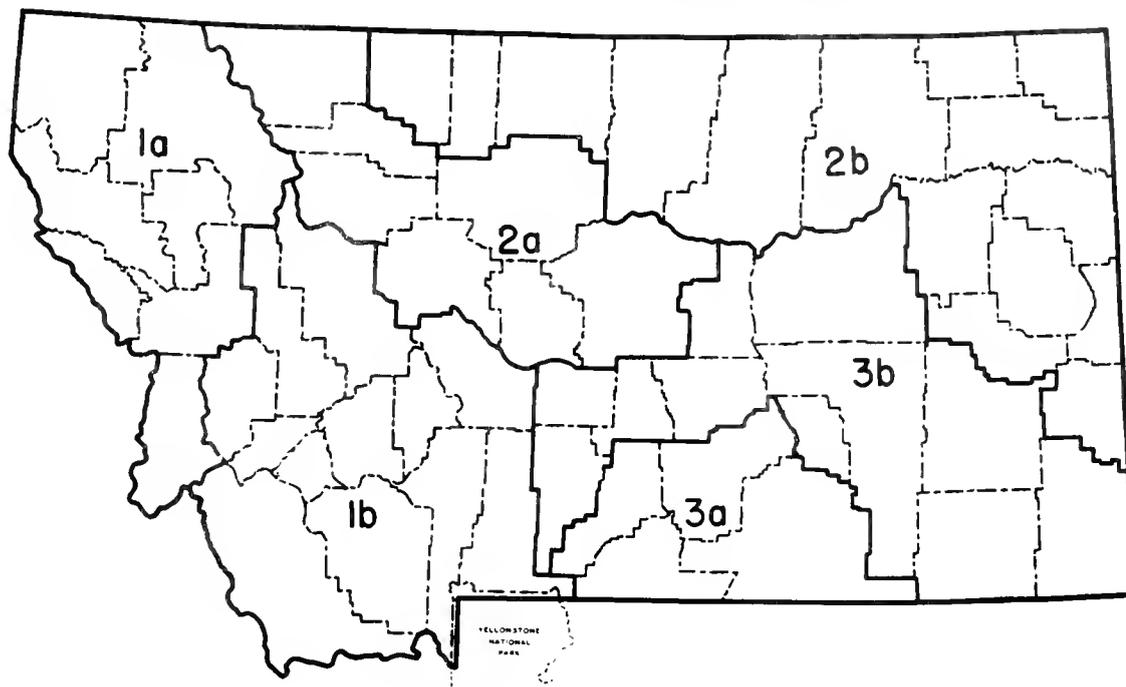


Table 1.—USE OF FERTILIZER FOR SPECIFIED CROPS AND USE OF

State, economic area, and county	Fertilizer							
	All crops and all pasture fertilized		Hay and cropland pasture fertilized		Other pasture fertilized		All crops fertilized except hay	
	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)
1 Montana, total	27,421	86	7,455	136	512	114	19,348	74
Area 1a:								
2 Flathead	1,011	110	330	143	13	137	668	98
3 Lake	801	216	406	219	20	167	354	204
4 Lincoln	48	178	41	173	...	...	7	215
5 Mineral	48	155	41	216	...	...	7	58
6 Missoula	448	134	145	130	10	154	293	136
7 Ravalli	1,387	168	631	123	62	154	688	254
8 Sanders	175	112	99	127	10	116	66	95
Area 1b:								
9 Beaverhead	612	131	504	127	...	...	108	154
10 Broadwater	192	118	108	140	8	94	76	98
11 Deer Lodge	117	216	22	205	...	...	95	218
12 Gallatin	1,177	89	376	113	43	64	755	82
13 Granite	111	130	86	125	...	...	25	170
14 Jefferson	136	230	47	242	10	333	79	215
15 Lewis and Clark	410	104	243	143	2	167	166	74
16 Madison	734	195	609	192	7	74	118	238
17 Meagher	91	174	78	171	...	...	13	194
18 Park	216	102	129	147	1	100	85	70
19 Powell	452	152	103	110	...	...	325	162
20 Silver Bow	27	154	26	160	...	...	1	100
Area 2a:								
21 Cascade	919	68	392	108	101	101	423	47
22 Chouteau	1,144	34	23	29	1	57	1,114	34
23 Fergus	787	34	57	90	...	...	720	33
24 Glacier	329	47	24	98	...	...	305	45
25 Judith Basin	288	32	6	58	...	...	281	32
26 Pondera	1,082	41	114	97	15	77	953	38
27 Teton	1,839	49	457	118	30	69	1,343	40

2 0.05 percent or less.

MONTANA
TONS OF LIME



LEGEND

- 1 METROPOLITAN STATE ECONOMIC AREA
 - 2 NONMETROPOLITAN STATE ECONOMIC AREA
- 1 DOT = 500 TONS

Map No. A54-423

LIME, BY ECONOMIC AREAS AND BY COUNTIES: CENSUS OF 1954—Continued

Fertilizer—Continued								Lime			
Specified crops fertilized		Specified crops fertilized		Fruits, vegetables, and potatoes fertilized		Other crops fertilized except hay		Acres limed	Percent of total cropland plus improved pasture	Quantity used per acre (pounds)	
Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)				
Sugar beets 7,026	Sugar beets 286	Wheat 7,790	Wheat 43	571	272	3,961	76	1,049	(2)	772	1
...	...	413	86	62	295	193	106	225	0.2	311	2
51	206	63	93	79	363	161	273	105	0.1	952	3
...	...	5	200	2	267	...	...	...	...	...	4
...	...	5	53	...	...	2	80	...	...	...	5
112	269	92	88	4	157	85	126	...	...	...	6
362	342	182	27-	32	267	112	130	178	0.5	618	7
8	128	30	99	...	...	28	85	400	0.6	425	8
...	...	48	95	20	800	40	233	...	...	...	9
26	274	34	69	...	...	16	84	...	...	...	10
...	...	3	48	85	327	7	62	...	...	...	11
...	...	451	74	...	...	304	96	...	...	...	12
...	...	10	155	5	385	10	144	...	...	...	13
...	...	5	149	42	207	32	245	...	...	...	14
5	154	80	54	18	247	63	94	45	(2)	578	15
10	417	36	222	18	480	54	198	...	...	...	16
...	...	...	...	...	...	13	194	...	...	...	17
...	...	56	63	1	200	28	87	...	...	...	18
...	...	129	144	100	197	96	159	30	(2)	6,000	19
...	...	...	...	...	...	1	100	46	0.2	90	20
50	235	292	38	...	...	81	70	...	...	...	21
...	...	974	33	...	...	140	43	...	...	...	22
...	...	662	32	...	...	58	41	...	...	...	23
...	...	150	46	...	...	155	45	...	...	...	24
...	...	271	32	...	...	10	33	2	(2)	2,000	25
8	267	515	38	...	...	430	37	...	...	...	26
...	...	1,103	38	26	219	214	50	...	...	...	27

USE OF FERTILIZER AND LIME

Table 1.—USE OF FERTILIZER FOR SPECIFIED CROPS AND USE OF

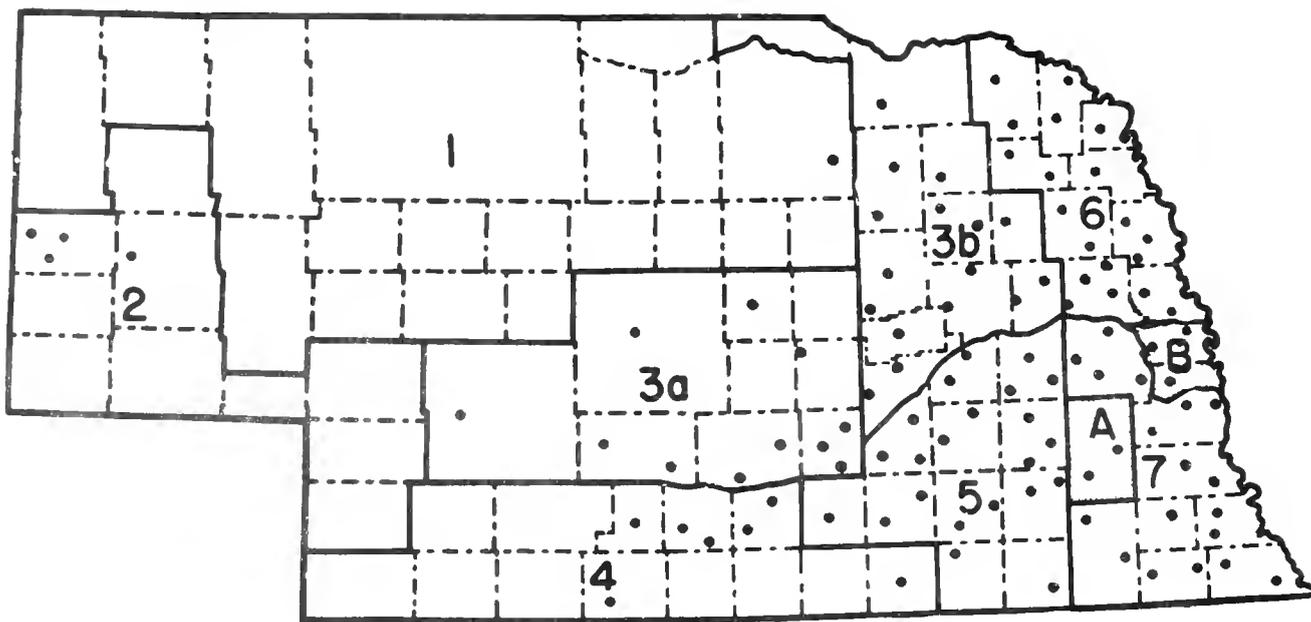
State, economic area, and county	Fertilizer							
	All crops and all pasture fertilized		Hay and cropland pasture fertilized		Other pasture fertilized		All crops fertilized except hay	
	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)
Montana—Continued								
Area 2b:								
1 Blaine	847	201	135	183	20	235	682	200
2 Daniels	47	35	...	...	...	...	47	35
3 Dawson	491	86	51	122	6	160	434	82
4 Fallon	20	45	4	200	...	...	16	37
5 Hill	105	53	4	123	...	...	101	52
6 Liberty	149	36	5	286	...	...	144	35
7 McCone	158	50	6	126	...	...	153	49
8 Phillips	282	105	50	136	...	...	232	100
9 Prairie	450	50	20	97	...	...	432	50
10 Richland	1,465	145	115	117	10	111	1,336	148
11 Roosevelt	75	35	6	57	...	...	69	34
12 Sheridan	106	34	2	31	...	...	103	34
13 Toole	126	31	...	...	...	...	127	31
14 Valley	192	44	23	136	...	...	169	40
15 Wibaux	199	38	2	80	...	...	196	38
Area 3a:								
16 Big Horn	1,687	297	109	130	17	105	1,560	333
17 Carbon	1,240	182	375	143	41	132	821	208
18 Stillwater	373	93	162	150	2	89	209	71
19 Yellowstone	2,205	204	486	148	23	174	1,694	230
Area 3b:								
20 Carter	32	44	...	...	...	...	32	44
21 Custer	722	167	139	132	15	300	564	173
22 Garfield	63	42	10	95	...	...	53	38
23 Golden Valley	40	106	35	169	...	...	5	29
24 Musselshell	92	58	35	197	2	80	55	40
25 Petroleum	36	47	1	100	...	...	35	46
26 Powder River	6	70	3	80	...	...	3	62
27 Rosebud	554	220	50	129	18	252	485	235
28 Sweet Grass	272	133	211	173	10	105	51	70
29 Treasure	529	187	96	141	2	200	431	201
30 Wheatland	277	139	223	140	13	200	41	120

Z 0.05 percent or less.

LIME, BY ECONOMIC AREAS AND BY COUNTIES: CENSUS OF 1954—Continued

Fertilizer—Continued								Lime		
Specified crops fertilized		Specified crops fertilized		Fruits, vegetables, and potatoes fertilized		Other crops fertilized except hay		Acres limed	Percent of total cropland plus improved pasture	Quantity used per acre (pounds)
Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)			
<i>Sugar beets</i>	<i>Sugar beets</i>	<i>Wheat</i>	<i>Wheat</i>							
498	261	80	96	5	200	99	151	8	(2)	1,000
...	...	42	35	...	...	5	36	...	...	...
184	351	139	39	6	120	105	94	...	...	...
...	...	10	42	...	...	6	32	...	...	...
...	...	68	39	25	758	8	44	...	...	...
...	...	142	35	...	...	2	33	...	...	...
...	...	146	49	...	...	7	55	...	...	...
148	230	49	40	2	267	33	76	...	...	...
130	347	232	32	2	114	68	59	...	...	...
898	242	160	55	...	...	278	116	...	...	...
...	...	52	30	...	...	17	51	...	...	...
...	...	78	36	...	...	25	29	...	...	...
...	...	80	31	1	182	46	32	...	...	...
...	...	137	39	...	...	32	49	...	...	...
...	...	123	32	...	...	73	56	...	...	...
1,415	371	71	113	...	...	74	308	...	...	...
574	312	72	80	...	...	175	144	...	...	...
27	310	122	50	2	...	58	139	...	...	...
1,338	299	108	83	15	416	232	111	...	...	...
...	...	32	44	...	...	...	...	...	...	...
338	245	35	59	12	224	179	145	...	...	...
...	...	47	38	...	...	6	30	...	...	...
...	...	5	29	...	...	...	...	...	...	...
...	...	46	35	...	...	...	154	...	...	...
...	...	31	47	...	...	4	36	10	(2)	200
...	...	1	61	...	...	2	65	...	...	...
450	255	9	71	...	...	29	144	...	...	...
...	...	31	52	...	...	20	154	...	...	...
394	211	8	133	1	400	28	134	...	...	...
...	...	28	105	5	200	8	160	...	...	...

NEBRASKA
TONS OF FERTILIZER



LEGEND

- B METROPOLITAN STATE ECONOMIC AREA
 - 2 NONMETROPOLITAN STATE ECONOMIC AREA
- 1 DOT = 2,000 TONS

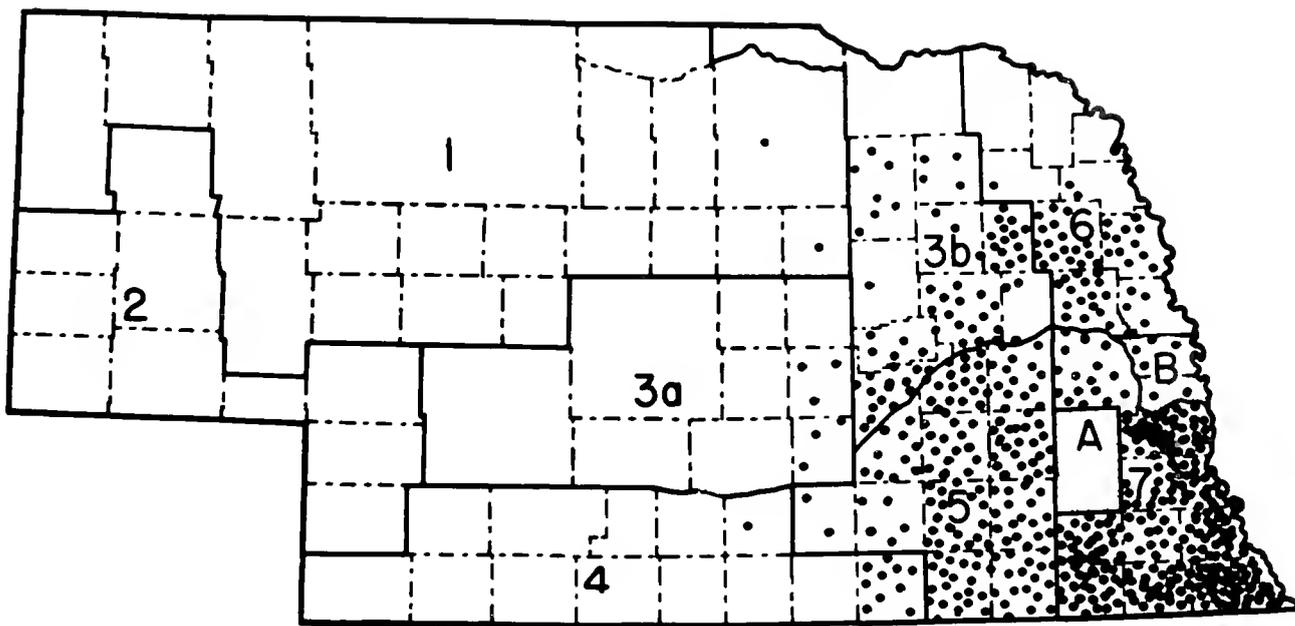
Map No. A54-436

Table 1.—USE OF FERTILIZER FOR SPECIFIED CROPS AND USE OF

State, economic area, and county	Fertilizer							
	All crops and all pasture fertilized		Hay and cropland pasture fertilized		Other pasture fertilized		All crops fertilized except hay	
	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)
1 Nebraska, total.....	218,018	146	17,431	175	4,960	153	194,601	143
Area 1:								
2 Arthur	1	182	...	...	...	...	1	182
3 Blaine	62	157	26	160	1	400	35	152
4 Brown	401	95	94	125	...	...	307	88
5 Cherry	216	127	191	121	2	400	23	204
6 Dawes	155	136	22	103	...	...	110	158
7 Garden	173	116	5	105	...	...	168	117
8 Garfield	258	133	37	248	10	125	212	122
9 Grant	14	243	14	243	...	...	...	...
10 Holt	1,209	131	332	170	15	133	862	118
11 Hooker	35	188	2	129	...	...	33	193
12 Keya Paha	122	123	48	136	...	...	74	116
13 Logan	93	194	64	203	...	...	30	183
14 Loup	106	98	18	185	12	32	75	121
15 McPherson	59	118	14	161	2	100	43	109
16 Rock	156	129	62	131	1	100	93	129
17 Sheridan	634	158	96	87	...	...	532	185
18 Sioux	604	202	46	171	...	...	556	208
19 Thomas	17	163	12	168	1	400	4	133
20 Wheeler	403	123	17	132	1	200	386	121
Area 2:								
21 Banner	45	199	25	225	...	...	20	174
22 Box Butte	609	225	10	211	...	...	599	225
23 Chase	460	126	60	93	2	40	393	133
24 Cheyenne	180	192	15	142	1	200	165	199
25 Deuel	292	152	10	83	5	286	277	155
26 Keith	504	145	78	147	12	189	412	143
27 Kimball	22	118	2	143	...	...	19	110
28 Morrill	1,359	194	76	186	5	182	1,285	196
29 Perkins	273	117	26	100	4	333	243	119
30 Scotts Bluff	5,123	207	289	228	12	171	4,807	205
Area 3a:								
31 Buffalo	4,873	165	203	176	49	245	4,636	164
32 Custer	1,723	123	53	124	3	300	1,657	121
33 Dawson	4,790	132	206	217	2	160	4,573	129
34 Greeley	941	147	46	103	...	...	896	150
35 Hall	6,300	172	152	138	8	160	6,030	170
36 Howard	1,335	141	90	189	21	155	1,240	139
37 Lincoln	2,670	179	606	169	26	102	2,035	184
38 Sherman	639	164	16	96	1	125	620	167
39 Valley	1,510	152	68	196	...	...	1,429	151

2 0.05 percent or less.

NEBRASKA
TONS OF LIME



LEGEND

- B METROPOLITAN STATE ECONOMIC AREA
 - 2 NONMETROPOLITAN STATE ECONOMIC AREA
- 1 DOT = 500 TONS

Map No. A84-437

LIME, BY ECONOMIC AREAS AND BY COUNTIES: CENSUS OF 1954—Continued

Fertilizer—Continued								Lime			
Specified crops fertilized		Specified crops fertilized		Fruits, vegetables, and potatoes fertilized		Other crops fertilized except hay		Acres limed	Percent of total cropland plus improved pasture	Quantity used per acre (pounds)	
Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)				
Corn 131,776	Corn 144	Wheat 23,435	Wheat 119	911	270	38,479	155	159,952	0.7	3,600	1
...	...	...	...	...	...	1	200	...	...	...	2
6	97	...	...	...	...	29	172	35	(2)	343	3
237	88	18	92	...	...	52	88	80	(2)	200	4
7	141	1	200	1	400	14	250	1	(2)	2,000	5
18	189	18	77	...	...	74	200	...	...	...	6
97	114	14	75	...	...	57	143	...	...	...	7
174	114	2	400	...	...	36	173	135	0.1	3,185	8
...	...	...	...	...	...	...	...	...	...	...	9
427	97	48	136	...	...	367	157	...	...	...	10
4	73	...	...	...	...	29	250	37	0.1	1,374	11
28	93	2	80	...	...	44	142	...	(2)	...	12
12	247	4	200	...	...	14	147	10	(2)	1,600	13
56	121	...	...	...	...	19	124	...	...	...	14
17	82	...	...	...	...	26	143	...	...	...	15
25	84	...	...	...	...	67	159	8	(2)	2,000	16
40	117	158	172	4	400	330	290	...	...	...	17
79	151	12	282	4	211	461	220	...	...	...	18
...	...	...	...	...	...	4	133	...	...	...	19
305	120	...	...	1	400	80	123	148	0.1	4,095	20
...	...	9	180	...	...	11	169	...	...	...	21
42	174	8	28	15	200	534	259	...	...	...	22
265	144	104	122	...	...	24	97	...	...	...	23
47	219	11	145	8	229	99	197	...	...	...	24
163	186	20	71	...	...	94	150	...	...	...	25
276	145	32	85	...	...	104	175	...	...	...	26
3	150	4	36	9	321	3	194	...	...	...	27
279	174	15	133	34	254	957	203	...	...	...	28
100	219	123	91	...	...	20	91	...	...	...	29
873	193	54	157	465	263	3,415	203	...	...	...	30
3,897	166	215	115	66	388	458	169	...	...	...	31
1,485	127	76	80	1	333	95	95	26	(2)	4,077	32
4,206	128	106	117	35	467	226	160	55	(2)	3,455	33
700	148	104	177	1	400	91	135	13	(2)	1,846	34
5,068	176	263	96	27	230	672	176	1,207	0.5	2,519	35
973	137	98	129	3	1,200	166	157	770	0.4	3,338	36
1,372	175	48	103	20	400	595	222	101	(2)	713	37
568	165	6	160	...	...	46	192	...	...	...	38
1,205	157	126	105	...	...	98	167	...	...	...	39

USE OF FERTILIZER AND LIME

Table 1.-USE OF FERTILIZER FOR SPECIFIED CROPS AND USE OF

State, economic area, and county	Fertilizer							
	All crops and all pasture fertilized		Hay and cropland pasture fertilized		Other pasture fertilized		All crops fertilized except hay	
	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)
Nebraska--Continued								
Area 3b:								
1 Antelope	4,798	124	311	179	104	86	4,391	122
2 Boone	3,102	141	196	155	90	137	2,779	136
3 Boyd	187	83	10	121	...	...	177	82
4 Colfax	3,006	137	228	160	143	132	2,632	135
5 Knox	2,734	132	416	153	118	152	2,199	129
6 Madison	3,290	150	300	162	71	168	2,876	147
7 Merrick	4,536	165	242	148	46	153	4,247	164
8 Nance	1,657	116	140	147	36	101	1,456	112
9 Pierce	2,237	152	307	194	151	166	1,770	144
10 Platte	3,978	158	270	180	94	145	3,611	157
11 Stanton	2,977	138	349	168	194	128	2,433	135
Area 4:								
12 Dundy	594	103	86	143	3	300	509	99
13 Franklin	693	155	78	182	...	...	617	152
14 Frontier	261	110	15	126	...	...	245	108
15 Furnas	1,117	148	54	169	...	...	1,064	144
16 Gosper	1,053	188	22	178	...	...	1,028	189
17 Harlan	831	126	31	144	4	160	800	126
18 Hayes	234	178	71	138	7	200	157	206
19 Hitchcock	607	184	146	180	2	160	457	181
20 Kearney	4,343	158	231	160	18	131	4,098	159
21 Nuckolls	2,804	140	50	153	48	256	2,701	137
22 Phelps	3,255	154	90	162	...	...	3,152	153
23 Red Willow	568	184	105	173	...	...	463	184
24 Webster	678	109	26	158	...	...	638	105
Area 5:								
25 Adams	2,507	130	122	210	2	80	2,359	125
26 Butler	5,074	131	333	161	178	134	4,474	124
27 Clay	3,485	125	75	178	22	160	3,391	124
28 Fillmore	3,901	126	378	501	34	164	3,444	113
29 Hamilton	5,488	129	187	135	94	167	5,156	126
30 Jefferson	1,721	128	95	170	33	145	1,574	124
31 Polk	3,800	126	209	163	155	177	3,414	122
32 Saline	3,131	140	140	168	79	212	2,912	134
33 Seward	5,517	117	340	158	152	121	5,023	115
34 Thayer	2,632	148	198	184	20	157	2,407	145
35 York	4,862	129	265	153	99	165	4,407	124
Area 6:								
36 Burt	6,202	170	640	268	110	165	5,426	163
37 Cedar	4,153	157	407	163	124	160	3,595	152
38 Cuming	3,848	171	574	178	117	144	3,092	171
39 Dakota	2,962	178	428	220	36	218	2,496	171
40 Dixon	3,832	171	598	170	45	171	3,140	165
41 Dodge	7,924	163	490	174	250	154	7,182	161
42 Thurston	2,219	155	466	174	50	155	1,723	152
43 Washington	4,692	154	542	160	240	155	3,914	153
44 Wayne	3,070	180	600	188	176	221	2,288	175
Area 7:								
45 Cass	6,056	135	318	171	240	175	5,457	131
46 Gage	4,930	135	450	240	100	155	4,387	128
47 Johnson	2,558	179	200	243	25	179	2,293	174
48 Nemaha	4,076	155	427	196	180	171	3,496	152
49 Otoe	4,328	151	392	197	252	188	3,633	142
50 Pawnee	3,096	177	254	198	91	204	2,758	172
51 Richardson	4,576	171	285	193	88	180	4,172	167
52 Saunders	7,982	132	266	177	186	144	7,454	130
Metropolitan Area A:								
53 Lancaster	4,754	125	198	173	227	134	4,302	122
Metropolitan Area B:								
54 Douglas	4,663	161	445	201	160	158	4,031	159
55 Sarpy	2,073	116	182	141	70	126	1,821	113

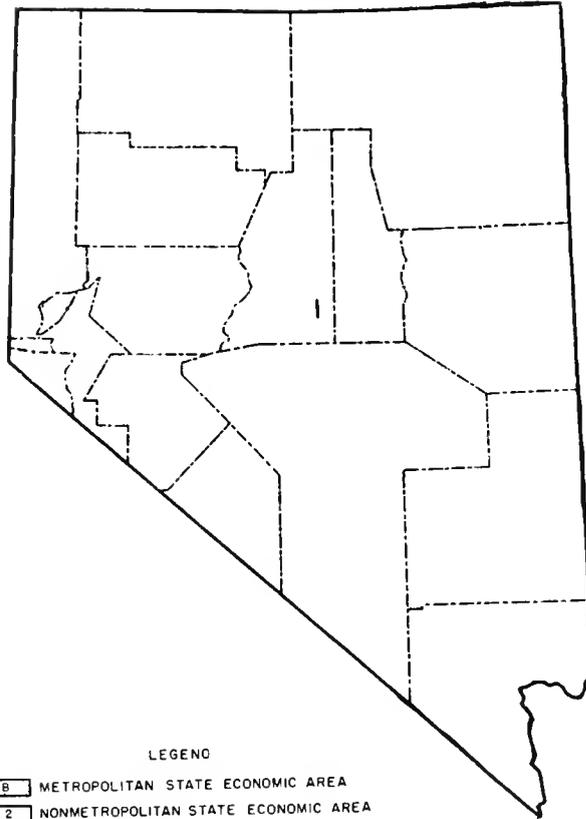
2 0.05 percent or less.

USE OF FERTILIZER AND LIME

LIME, BY ECONOMIC AREAS AND BY COUNTIES: CENSUS OF 1954—Continued

Fertilizer—Continued								Lime		
Specified crops fertilized		Specified crops fertilized		Fruits, vegetables, and potatoes fertilized		Other crops fertilized except hay		Acres limed	Percent of total cropland plus improved pasture	Quantity used per acre (pounds)
Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)			
Corn	Corn	wheat	wheat							
3,232	118	97	115	6	185	1,056	139	2,720	0.2	2,508
2,226	143	58	118	1	400	494	112	441	0.1	2,753
68	74	...	...	...	...	109	88	...	...	...
1,782	136	294	131	...	...	556	134	1,270	0.6	2,087
878	128	16	134	...	...	1,305	130	100	(2)	1,200
2,066	146	52	182	3	69	755	150	675	0.2	4,178
3,537	169	206	128	...	...	504	153	4,502	2.3	3,044
1,112	110	134	100	...	...	210	138	1,585	0.9	3,142
987	140	36	178	...	...	747	148	1,165	0.5	3,082
2,490	152	287	148	...	...	834	175	6,170	1.8	2,561
1,739	131	28	129	...	...	666	147	4,894	2.5	2,966
352	90	33	102	...	...	124	138	25	(2)	240
355	189	168	112	...	...	94	138	...	...	...
161	131	68	80	...	...	16	87	...	...	...
825	147	167	145	...	...	72	116	...	...	...
840	192	102	170	...	...	86	188	...	...	...
484	136	237	103	...	...	79	163	...	...	...
128	242	24	123	...	...	5	133	...	...	...
421	188	20	115	...	...	16	145	...	...	...
2,932	154	492	119	...	...	674	272	309	0.1	2,000
1,440	160	863	113	2	100	396	127	3,365	1.4	2,966
2,724	156	232	134	...	...	196	140	...	...	...
394	191	14	130	1	500	54	157	...	...	...
368	113	197	95	...	...	73	101	...	...	...
1,414	149	743	97	...	...	202	113	586	0.2	3,897
3,148	126	869	118	...	...	457	120	3,830	1.3	3,423
2,054	151	1,003	92	...	...	334	112	1,525	0.6	3,351
1,799	138	1,254	91	...	...	391	110	5,170	1.7	3,704
3,745	134	729	97	...	...	682	127	2,820	1.0	3,670
748	114	542	127	...	...	284	152	4,645	1.9	4,101
2,434	117	572	127	...	...	408	148	5,685	2.5	3,247
1,477	139	323	118	...	...	512	157	4,020	1.5	4,557
3,142	116	1,399	114	2	800	480	109	5,375	1.9	4,193
756	156	937	122	...	...	714	175	5,335	2.0	3,788
3,208	126	690	109	4	80	505	135	3,875	1.3	3,870
4,308	173	234	136	...	...	884	131	3,590	1.4	3,294
1,864	159	10	138	1	400	1,720	146	...	...	...
2,108	173	48	167	...	...	936	165	6,432	2.2	2,758
1,680	176	...	...	1	400	815	161	...	...	...
1,730	170	6	120	6	240	1,398	158	160	0.1	1,938
5,186	162	850	143	22	232	1,124	175	4,800	1.7	3,506
1,001	146	6	92	...	...	716	162	1,100	0.6	2,091
2,916	160	152	152	10	400	836	132	1,220	0.6	3,648
1,530	174	20	205	...	...	738	179	400	0.2	2,525
4,450	131	436	130	...	...	571	131	10,275	3.9	3,950
2,390	141	1,282	108	...	...	715	128	11,940	3.1	4,152
1,566	168	398	174	...	...	329	206	3,423	2.1	3,990
2,406	146	618	158	3	600	469	176	7,025	3.8	3,863
2,328	138	802	160	...	...	503	132	9,500	3.2	3,931
1,448	152	712	177	...	...	598	241	6,920	4.7	4,120
2,822	163	810	188	...	...	540	161	9,615	3.8	4,233
5,723	129	698	127	1	400	1,032	137	5,396	1.5	2,953
2,992	123	1,000	123	34	189	276	105	3,716	1.0	3,943
3,277	156	106	174	114	348	534	154	968	0.7	3,657
1,511	108	62	170	5	80	243	139	420	0.4	4,000

NEVADA
TONS OF FERTILIZER



LEGEND

- 1 METROPOLITAN STATE ECONOMIC AREA
 - 2 NONMETROPOLITAN STATE ECONOMIC AREA
- 1 DOT = 2,000 TONS

Map No. A54-43d

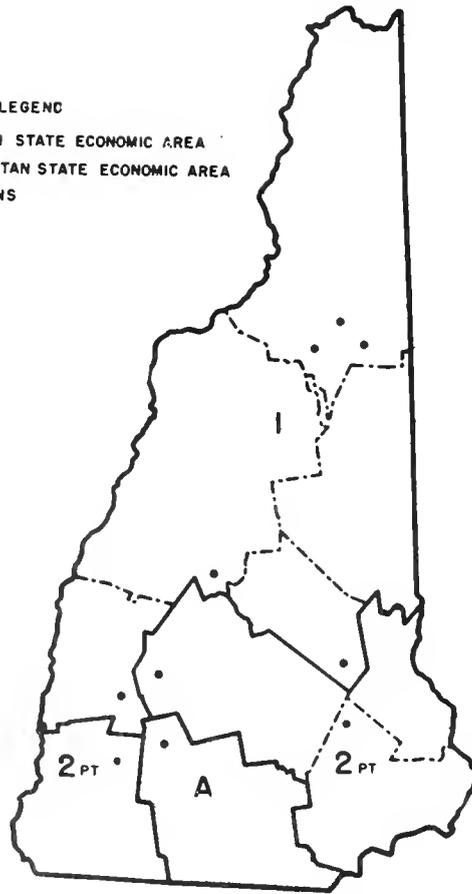
Table 1.—USE OF FERTILIZER FOR SPECIFIED CROPS AND USE OF

State, economic area, and county	Fertilizer							
	All crops and all pasture fertilized		Hay and cropland pasture fertilized		Other pasture fertilized		All crops fertilized except hay	
	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)
1 Nevada, total	3,284	228	1,359	192	210	186	1,713	275
2 Area 1:								
3 Churchill	219	177	75	153	23	188	121	195
4 Clark	408	223	260	171	3	150	146	499
5 Douglas	53	243	20	444	5	222	28	185
6 Elko	339	213	311	205	22	386	6	364
7 Esmeralda	25	769	25	769	...	...	...	...
8 Eureka	60	116	60	116	...	...	...	...
9 Humboldt	72	257	...	...	1	200	70	255
10 Lander	6	164	6	164	...	...	...	...
11 Lincoln	21	223	21	227	...	...	...	...
12 Lyon	378	405	52	334	12	190	314	458
13 Mineral .....	...	...	...	...	...	...	...	...
14 Nye	356	484	100	667	...	...	256	438
15 Ormsby	9	157	8	147	...	...	1	333
16 Pershing	726	172	112	167	140	175	473	172
17 Storey	30	148	...	...	...	...	30	148
18 Washoe	547	245	274	172	4	533	268	422
White Pine	35	179	35	179	...	...	...	...

2 0.05 percent or less.

NEW HAMPSHIRE
TONS OF FERTILIZER

LEGEND
 1 METROPOLITAN STATE ECONOMIC AREA
 2 NONMETROPOLITAN STATE ECONOMIC AREA
 1 DOT = 2,000 TONS



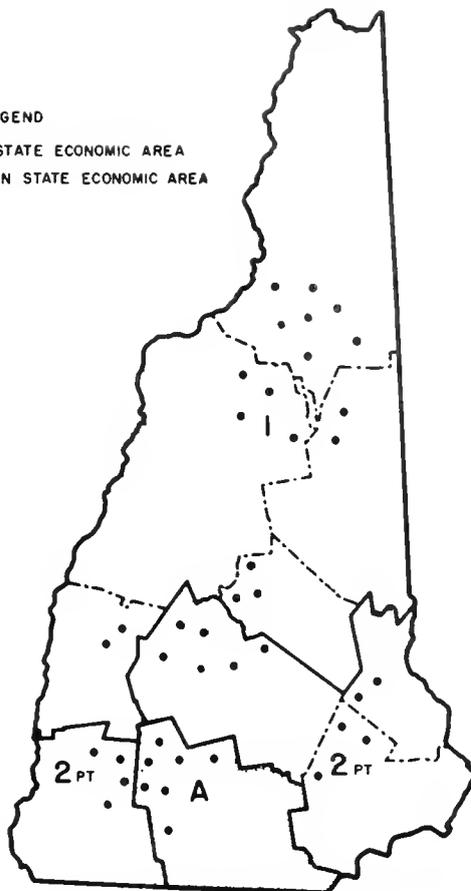
Map No. A54-440

Table 1.-USE OF FERTILIZER FOR SPECIFIED CROPS AND USE OF

State, economic area, and county	Fertilizer							
	All crops and all pasture fertilized		Hay and cropland pasture fertilized		Other pasture fertilized		All crops fertilized except hay	
	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)
1 New Hampshire, total	17,916	516	9,509	410	666	419	7,737	779
Area 1:								
2 Belknap	1,218	539	795	500	74	460	349	684
3 Carroll	560	615	261	451	72	2,400	227	753
4 Coos	5,163	652	2,676	425	42	525	2,443	1,581
5 Grafton	2,407	501	1,173	376	162	501	1,072	789
6 Sullivan	1,194	558	668	502	28	373	498	679
Area 2:								
7 Cheshire	1,288	361	736	312	77	210	475	562
8 Merrimack	2,103	472	1,379	450	84	323	640	566
9 Rockingham	1,608	523	764	459	78	547	766	604
10 Strafford	477	394	280	309	5	400	192	658
Metropolitan Area A:								
11 Hillsborough	1,898	434	777	340	44	320	1,075	550

NEW HAMPSHIRE
TONS OF LIME

LEGEND
 [B] METROPOLITAN STATE ECONOMIC AREA
 [2] NONMETROPOLITAN STATE ECONOMIC AREA
 1 DOT = 500 TONS

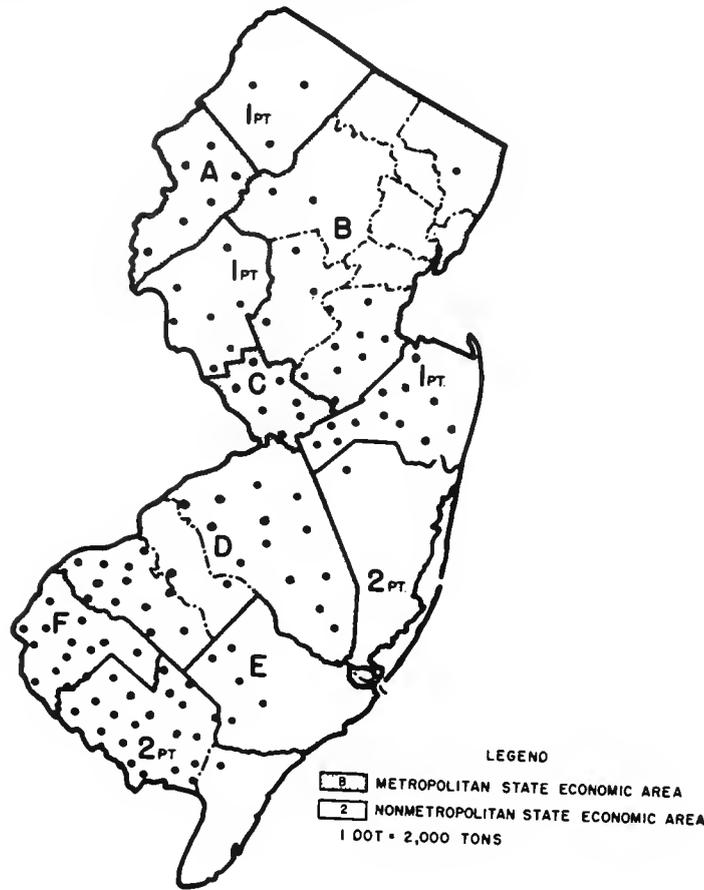


Map No. A54-441

LIME, BY ECONOMIC AREAS AND BY COUNTIES: CENSUS OF 1954—Continued

Fertilizer—Continued								Lime			
Specified crops fertilized		Specified crops fertilized		Fruits, vegetables, and potatoes fertilized		Other crops fertilized except hay		Acres limed	Percent of total cropland plus improved pasture	Quantity used per acre (pounds)	
Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)				
Corn 2,319	Corn 530	Tobacco ...	Tobacco ...	4,748	1,056	670	628	16,676	4.3	2,309	1
104	684	...	...	230	680	15	750	1,095	4.9	2,371	2
82	777	...	...	39	892	46	541	1,014	5.4	1,994	3
137	522	...	...	2,000	2,905	306	515	2,344	5.9	2,926	4
407	538	...	...	572	1,134	93	954	1,529	2.5	2,692	5
302	592	...	...	96	1,097	100	741	865	2.5	1,780	6
304	430	...	...	164	1,432	7	311	2,010	6.3	1,891	7
302	503	...	...	276	588	62	992	2,326	4.7	2,735	8
269	598	...	...	478	613	19	507	1,820	3.6	1,610	9
70	407	...	...	105	955	17	1,700	535	2.0	3,215	10
342	520	...	...	728	563	5	2,000	3,133	5.9	2,092	11

NEW JERSEY
TONS OF FERTILIZER

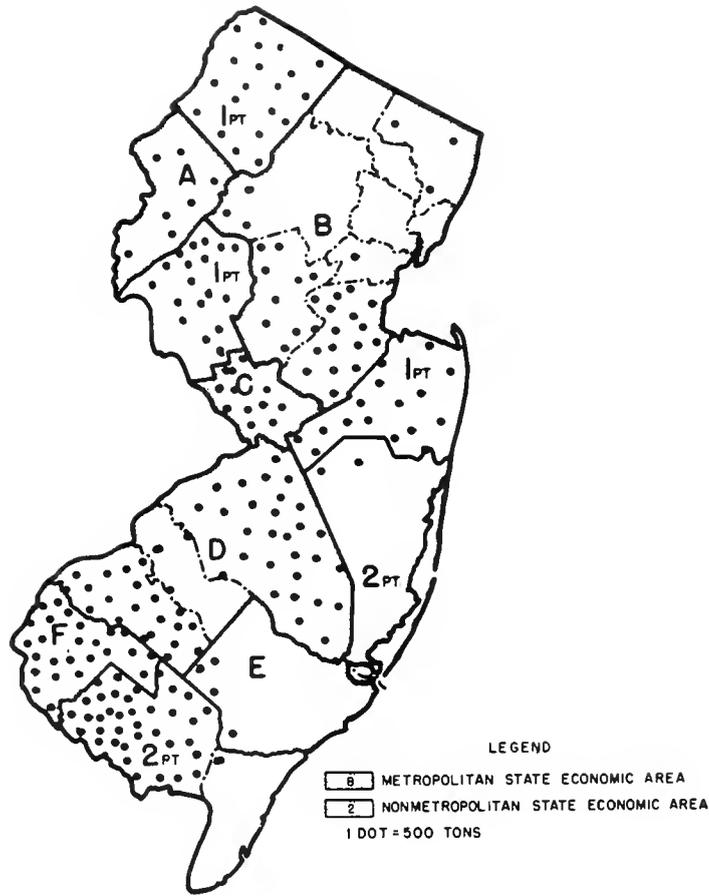


Map No. A54-444

Table 1.-USE OF FERTILIZER FOR SPECIFIED CROPS AND USE OF

State, economic area, and county	Fertilizer							
	All crops and all pasture fertilized		Hay and cropland pasture fertilized		Other pasture fertilized		All crops fertilized except hay	
	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)
1 New Jersey, total	237,729	776	28,604	479	4,029	433	203,826	860
2 Area 1:								
3 Hunterdon	13,428	418	3,624	450	608	413	9,165	412
4 Monmouth	23,975	772	1,716	515	419	506	21,572	798
5 Sussex	6,139	415	2,958	418	448	527	2,729	398
6 Metropolitan Area A:								
7 Warren	11,534	479	2,996	398	206	281	8,246	520
8 Metropolitan Area B:								
9 Bergen	2,164	1,217	101	454	4	267	2,044	1,351
10 Essex	362	944	10	500	...	...	352	975
11 Hudson	110	2,933	...	...	...	...	110	2,933
12 Middlesex	18,117	930	1,595	586	104	462	16,297	971
13 Morris	4,465	545	1,968	524	180	649	2,345	552
14 Passaic	304	732	58	748	...	...	247	732
15 Somerset	6,226	398	1,806	389	208	256	4,208	414
16 Union	684	1,335	5	200	...	...	680	1,395
17 Metropolitan Area C:								
18 Mercer	13,974	705	1,634	489	120	343	12,209	757
19 Area 2:								
20 Cape May	2,003	825	14	400	12	533	1,983	838
21 Cumberland	41,025	1,466	893	647	198	448	39,966	1,526
22 Ocean	1,366	506	192	378	44	503	1,129	539
23 Metropolitan Area D:								
24 Burlington	25,766	717	3,690	464	660	449	21,037	811
25 Camden	4,092	895	288	524	...	...	3,766	944
26 Gloucester	23,956	958	1,357	649	86	280	22,421	983
27 Metropolitan Area E:								
28 Atlantic	10,100	1,352	25	400	32	640	9,956	1,332
29 Metropolitan Area F:								
30 Salem	27,939	873	3,674	579	740	509	23,364	965

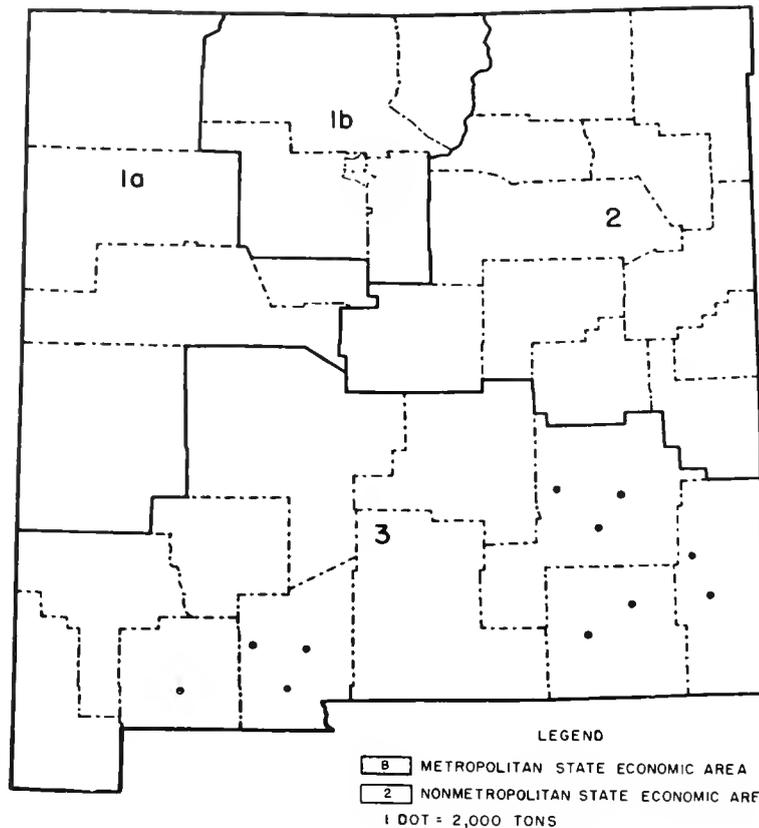
NEW JERSEY
TONS OF LIME



LIME, BY ECONOMIC AREAS AND BY COUNTIES: CENSUS OF 1954—Continued

Fertilizer—Continued								Lime			
Specified crops fertilized		Specified crops fertilized		Fruits, vegetables, and potatoes fertilized		Other crops fertilized except hay		Acres limed	Percent of total cropland plus improved pasture	Quantity used per acre (pounds)	
Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)				
<i>Corn</i> 47,217	<i>Corn</i> 556	<i>Wheat</i> 9,507	<i>Wheat</i> 413	127,704	1,377	19,398	532	125,920	11.4	1,799	1
5,064	429	1,762	390	412	838	1,927	355	11,545	8.4	1,564	2
7,428	714	1,876	434	10,674	1,297	1,594	391	10,125	10.1	1,541	3
2,068	396	26	274	159	464	476	395	7,459	7.8	2,681	4
3,154	369	380	301	3,244	1,421	1,468	391	3,890	4.0	1,841	5
70	596	...	...	1,478	1,255	496	2,280	1,795	26.6	1,487	6
5	333	...	...	322	988	25	1,250	365	18.7	1,205	7
...	...	...	...	100	2,857	10	4,000	...	...	...	8
2,681	619	1,530	402	10,796	1,864	1,290	421	11,576	24.3	1,363	9
1,211	560	108	389	424	528	602	598	2,005	4.7	1,397	10
59	562	...	...	154	821	34	756	170	4.6	1,412	11
1,858	439	852	400	210	472	1,288	384	5,025	7.3	2,076	12
14	255	...	...	158	658	508	2,639	435	19.7	2,345	13
3,931	648	1,428	392	4,884	1,842	1,966	522	7,610	12.8	1,583	14
454	595	...	...	1,511	961	18	554	260	2.4	2,269	15
3,108	855	132	1,389	36,306	1,642	420	1,226	19,850	24.8	1,814	16
706	713	31	564	276	315	116	663	1,025	4.6	1,795	17
5,870	599	434	443	12,094	1,165	2,639	553	13,345	10.6	2,179	18
272	318	8	200	3,312	1,166	174	689	1,570	7.9	1,936	19
2,375	558	190	487	18,476	1,152	1,380	652	11,960	16.8	1,730	20
360	862	...	...	9,134	1,422	462	728	2,240	9.7	1,795	21
6,529	586	750	544	13,580	1,431	2,505	1,137	13,670	15.2	1,830	22

NEW MEXICO
TONS OF FERTILIZER



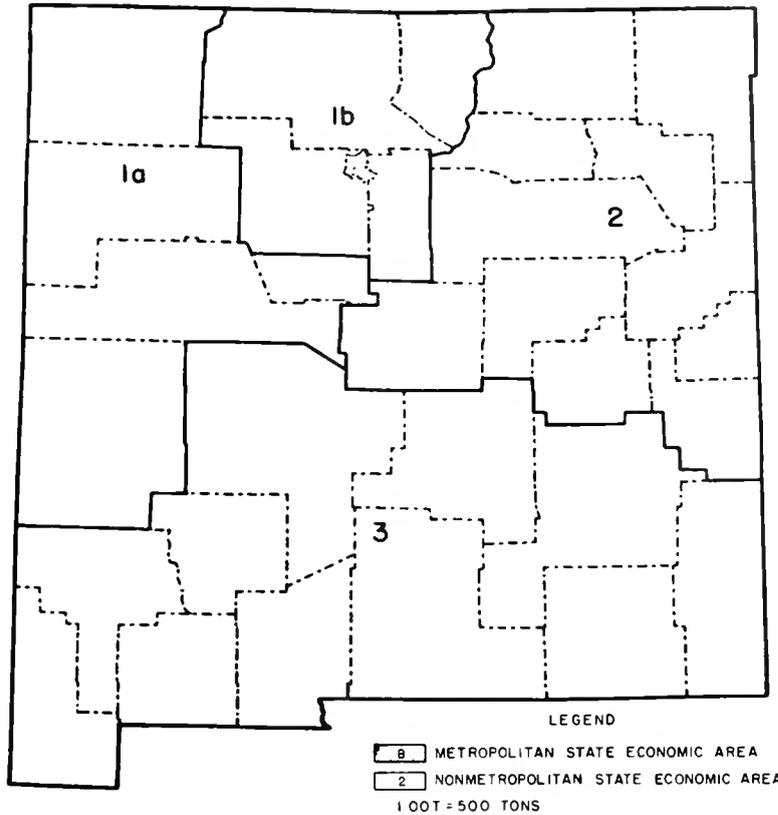
Map No. A54-442

Table 1.—USE OF FERTILIZER FOR SPECIFIED CROPS AND USE OF

State, economic area, and county	Fertilizer							
	All crops and all pasture fertilized		Hay and cropland pasture fertilized		Other pasture fertilized		All crops fertilized except hay	
	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)
1 New Mexico, total	28,932	246	8,905	206	115	155	19,839	269
2 Area 1a:								
3 Bernalillo	397	170	252	140	2	133	136	251
4 Catron	10	114	10	114	...	...	...	...
5 McKinley	36	196	30	198	...	...	5	156
6 San Juan	491	181	305	188	52	155	143	185
7 Valencia	506	142	300	117	10	138	194	202
8 Area 1b:								
9 Los Alamos .....	...	...	...	...	...	...	...	...
10 Rio Arriba	88	118	78	123	1	12	10	364
11 Sandoval	56	122	39	109	8	168	8	174
12 Santa Fe	204	217	70	157	...	...	134	269
13 Taos	71	118	36	103	7	175	27	127
14 Area 2:								
15 Colfax	22	180	21	177	1	286	...	...
16 Curry	286	155	7	350	1	400	278	153
17 De Baca	181	203	150	191	...	...	31	295
18 Guadalupe	45	158	45	160	...	...	...	...
19 Harding .....	...	...	...	...	...	...	...	...
20 Mora	18	106	18	106	...	...	...	...
21 Quay	310	193	190	172	2	800	118	238
22 Roosevelt	664	221	304	208	8	195	347	233
23 San Miguel	7	127	5	120	2	200	...	...
24 Torrance	689	203	249	193	5	147	435	210
25 Union	5	1,000	...	...	...	...	5	1,000
26 Area 3:								
27 Chaves	6,037	245	2,577	226	...	...	3,429	262
28 Dona Ana	6,054	257	1,641	234	2	800	4,400	262
29 Eddy	4,786	275	1,560	223	...	...	3,216	309
30 Grant	4	88	3	72	...	...	1	250
31 Hidalgo	854	209	14	105	2	800	840	209
32 Lea	4,032	328	584	211	7	156	3,438	363
33 Lincoln	65	190	44	170	...	...	21	253
34 Luna	2,437	242	71	196	...	...	2,353	241
35 Otero	111	130	28	75	...	...	84	175
36 Sierra	130	227	39	408	...	...	90	188
37 Socorro	336	602	235	508	5	1,000	96	1,061

2 0.05 percent or less.

NEW MEXICO
TONS OF LIME



Map No. A54-443

LIME, BY ECONOMIC AREAS AND BY COUNTIES: CENSUS OF 1954—Continued

Fertilizer—Continued								Lime			
Specified crops fertilized		Specified crops fertilized		Fruits, vegetables, and potatoes fertilized		Other crops fertilized except hay		Acres limed	Percent of total cropland plus improved pasture	Quantity used per acre (pounds)	
Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)				
Corn 524	Corn 249	Cotton 14,430	Cotton 268	1,902	394	2,983	232	451	(2)	2,200	1
18	91	...	...	89	462	29	190	...	...	...	2
...	...	...	...	...	...	...	...	...	...	...	3
4	133	...	...	1	500	...	...	...	...	...	4
77	207	...	...	24	88	42	323	130	0.3	308	5
5	67	...	...	147	262	42	129	...	...	...	6
...	...	...	...	...	...	...	...	...	...	...	7
2	400	...	...	8	356	...	...	...	...	...	8
2	200	...	...	6	167	...	...	...	...	...	9
40	193	...	...	56	415	38	244	...	...	...	10
...	...	...	...	2	133	25	127	...	...	...	11
...	...	...	...	...	...	...	...	...	...	...	12
1	400	19	154	...	...	258	152	...	...	...	13
...	...	25	294	5	2,000	1	57	...	...	...	14
...	...	...	...	...	...	...	...	...	...	...	15
...	...	...	...	...	...	...	...	...	...	...	16
...	...	...	...	...	...	...	...	...	...	...	17
18	343	13	419	5	1,000	82	201	...	...	...	18
1	200	180	231	31	302	135	224	...	...	...	19
...	...	...	...	...	...	...	...	...	...	...	20
67	264	...	...	12	400	356	199	...	...	...	21
...	...	...	...	5	1,000	...	...	...	...	...	22
11	440	2,851	258	...	...	567	285	321	0.3	2,966	23
104	340	3,552	255	448	297	296	276	...	...	...	24
18	514	2,892	296	16	582	290	516	...	...	...	25
...	...	...	...	1	500	...	...	...	...	...	26
4	89	656	200	6	133	174	270	...	...	...	27
11	278	2,084	335	995	594	348	229	...	...	...	28
5	625	11	163	1	667	4	667	...	...	...	29
45	119	2,019	258	2	89	287	186	...	...	...	30
...	...	58	159	23	232	3	200	...	...	...	31
1	200	70	173	19	281	...	...	...	...	...	32
90	1,800	...	...	...	...	6	150	...	...	...	33

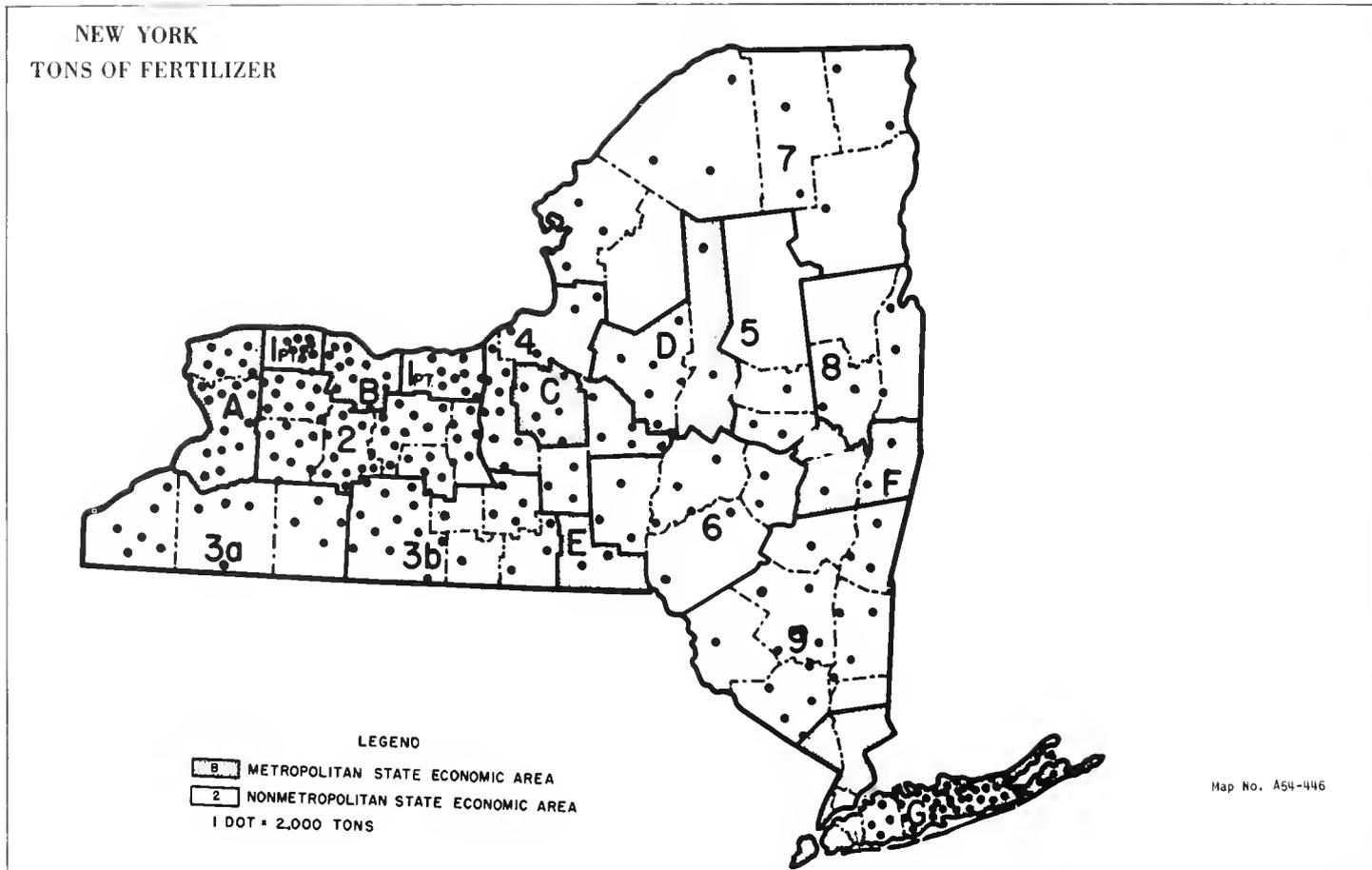
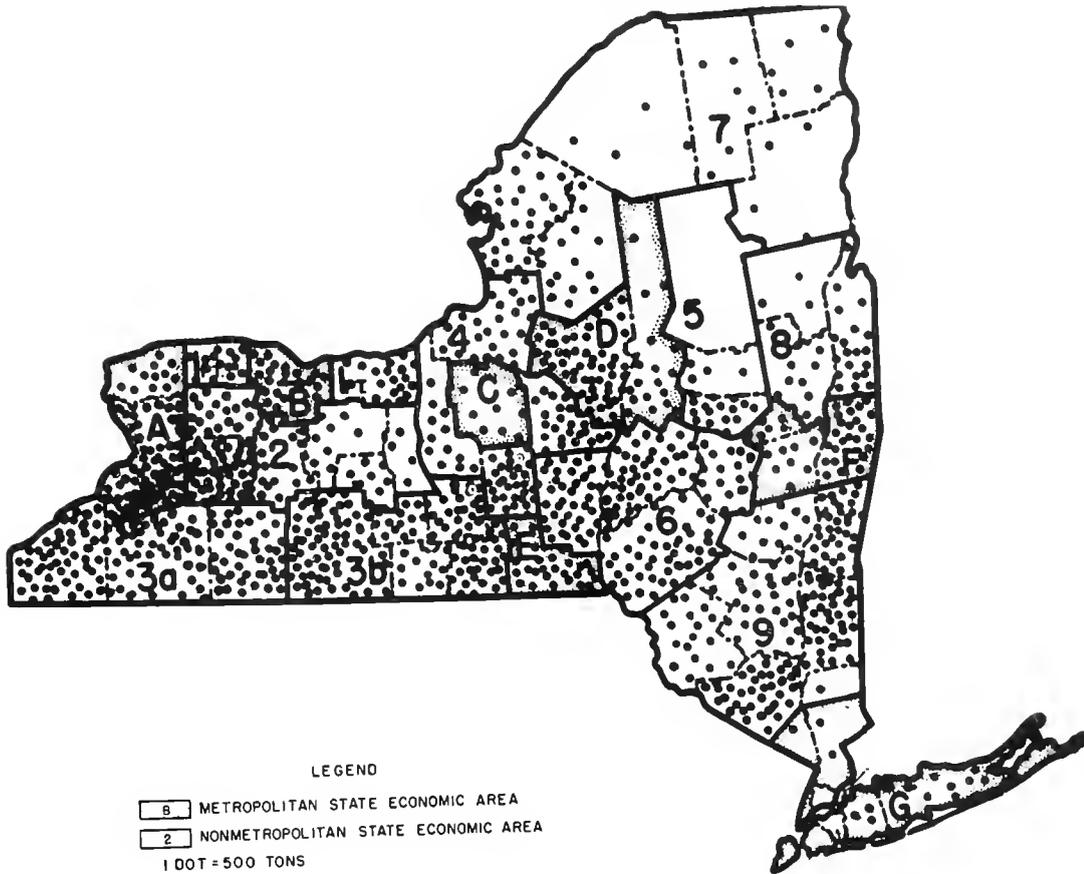


Table 1.—USE OF FERTILIZER FOR SPECIFIED CROPS AND USE OF

State, economic area, and county	Fertilizer							
	All crops and all pasture fertilized		Hay and cropland pasture fertilized		Other pasture fertilized		All crops fertilized except hay	
	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)
1 New York, total	516,850	454	48,324	337	8,811	348	454,193	468
2 Area 1:								
3 Orleans	18,250	474	852	342	62	241	17,008	481
3 Wayne	18,495	411	529	264	55	202	17,613	418
4 Metropolitan Area A:								
5 Erie	23,112	541	1,166	319	200	428	21,329	555
5 Niagara	13,389	338	474	266	86	465	12,619	333
6 Metropolitan Area B:								
6 Monroe	22,384	447	566	247	264	338	21,154	446
7 Area 2:								
8 Genesee	17,451	410	620	378	342	351	16,384	410
8 Livingston	16,526	359	721	321	79	290	15,482	362
9 Ontario	20,703	379	798	362	134	273	19,554	378
10 Seneca	8,573	275	483	260	26	182	8,124	277
11 Wyoming	15,268	425	1,316	307	304	319	13,419	430
12 Yates	8,158	345	292	349	48	336	7,659	344
13 Area 3a:								
14 Allegany	7,887	336	804	290	178	361	6,770	336
14 Cattaraugus	8,079	357	1,202	379	259	475	6,497	343
15 Chautauqua	11,937	390	1,250	273	337	362	10,169	402
16 Area 3b:								
17 Chemung	2,400	384	202	233	5	1,000	2,175	402
17 Schuyler	2,181	308	192	411	14	243	1,943	299
18 Steuben	24,402	511	1,058	323	596	358	22,511	527
19 Tioga	5,826	353	986	329	274	273	4,514	361
20 Tompkins	8,020	340	708	323	125	188	7,079	339
21 Area 4:								
21 Cayuga	18,570	351	1,095	366	116	336	17,074	343
22 Cortland	5,170	372	722	331	196	335	4,215	381
23 Madison	10,812	417	1,428	463	362	496	8,887	404
24 Oswego	7,704	452	742	354	83	377	6,746	453
25 Metropolitan Area C:								
25 Onondaga	11,700	344	1,098	339	100	513	10,327	342

NEW YORK
TONS OF LIME



Map No. A54-447

LEGEND

- A METROPOLITAN STATE ECONOMIC AREA
- 2 NONMETROPOLITAN STATE ECONOMIC AREA
- 1 DOT = 500 TONS

LIME, BY ECONOMIC AREAS AND BY COUNTIES: CENSUS OF 1954—Continued

Fertilizer—Continued								Lime			
Specified crops fertilized		Specified crops fertilized		Fruits, vegetables, and potatoes fertilized		Other crops fertilized except hay		Acres limed	Percent of total cropland plus improved pasture	Quantity used per acre (pounds)	
Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)				
Corn 110,153	Corn 359	Wheat 50,122	Wheat 338	184,299	1,043	109,619	325	398,289	5.0	2,970	1
3,652	362	2,566	364	8,529	763	2,261	322	5,226	3.5	2,615	2
3,041	356	2,747	346	8,154	535	3,671	351	4,598	2.3	4,001	3
4,298	414	2,024	372	11,327	976	3,680	335	21,300	9.1	2,534	4
3,966	360	3,290	340	3,162	336	2,201	283	4,290	2.1	2,760	5
4,224	368	4,444	345	8,076	819	4,410	333	7,434	3.4	3,100	6
4,562	360	3,618	340	4,490	923	3,714	315	5,291	3.0	3,221	7
4,052	318	3,584	308	3,454	1,138	4,392	387	6,198	2.8	2,959	8
4,785	360	4,694	334	3,739	665	6,336	338	3,085	1.5	2,587	9
1,815	309	2,201	276	346	427	3,762	256	1,516	1.3	2,546	10
3,747	411	2,166	376	2,666	954	4,840	358	14,400	8.0	3,228	11
1,694	330	1,883	305	1,730	513	2,352	310	2,680	2.4	2,623	12
1,241	322	540	363	1,232	896	3,757	280	13,060	7.4	3,208	13
2,476	356	333	310	368	884	3,320	317	15,891	8.3	3,012	14
2,565	344	882	371	3,946	574	2,776	324	12,415	5.2	3,923	15
734	331	314	342	411	1,134	716	373	3,890	5.6	2,761	16
522	347	509	302	118	258	794	279	4,390	6.0	2,934	17
2,177	317	2,096	327	11,284	1,631	6,954	308	23,130	7.5	2,773	18
1,574	318	428	362	610	1,984	1,902	314	9,485	8.4	2,900	19
2,556	368	1,372	330	229	481	2,922	314	7,772	7.0	3,010	20
5,645	326	2,865	313	2,714	739	5,850	298	3,525	1.6	3,265	21
1,643	346	160	299	633	1,263	1,779	337	10,542	11.1	2,961	22
3,078	332	457	297	2,810	848	2,542	323	9,543	5.8	2,458	23
2,340	377	550	390	2,239	798	1,617	363	9,680	6.5	2,457	24
4,136	319	1,580	335	1,008	848	3,603	317	3,875	1.9	2,395	25

USE OF FERTILIZER AND LIME

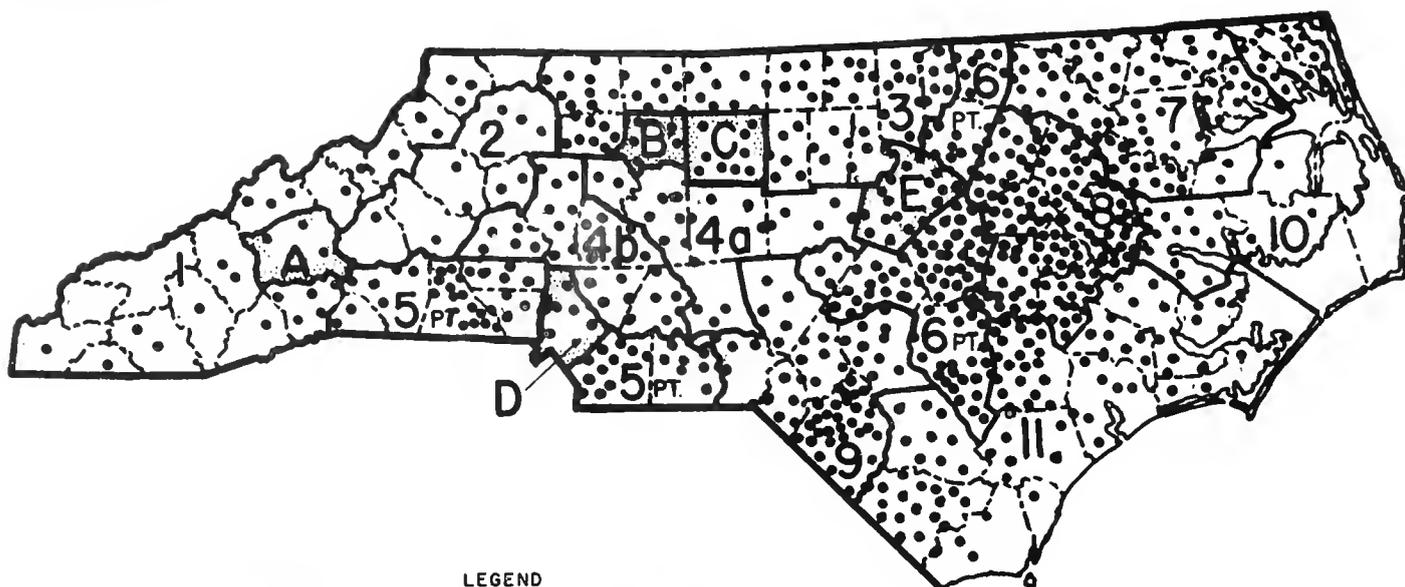
Table 1.-USE OF FERTILIZER FOR SPECIFIED CROPS AND USE OF

State, economic area, and county	Fertilizer								
	All crops and all pasture fertilized		Hay and cropland pasture fertilized		Other pasture fertilized		All crops fertilized except hay		
	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	
New York—Continued									
Area 5:									
1	Fulton	1,109	314	90	720	39	220	986	303
2	Hamilton .....	...	...	...	...	...	...	...	...
3	Montgomery	4,190	310	484	243	68	296	3,639	328
Metropolitan Area D:									
4	Herkimer	4,852	411	666	279	202	388	3,895	429
5	Oneida	11,672	430	1,167	334	176	461	10,303	442
Area 6:									
6	Chenango	5,376	361	1,186	279	516	629	3,586	372
7	Delaware	4,768	334	2,314	257	300	322	2,205	505
8	Otsego	8,532	389	1,839	311	336	278	6,275	423
9	Schoharie	4,518	347	1,344	367	184	260	2,925	333
Metropolitan Area E:									
10	Broome	4,052	369	944	358	230	250	2,824	370
Area 7:									
11	Clinton	3,642	349	648	270	42	522	2,930	367
12	Essex	1,246	512	205	375	51	675	973	527
13	Franklin	4,687	513	530	235	32	441	4,088	598
14	Jefferson	5,138	329	1,020	344	130	406	3,984	317
15	Lewis	4,172	340	1,233	453	160	288	2,815	302
16	St. Lawrence	5,892	354	1,696	297	174	380	3,946	370
Area 8:									
17	Saratoga	3,644	370	401	300	28	303	3,156	374
18	Warren	559	307	223	372	100	179	235	354
19	Washington	5,067	349	804	339	226	300	4,008	346
Metropolitan Area F:									
20	Albany	2,466	394	310	317	64	298	2,066	414
21	Rensselaer	4,904	394	580	327	75	328	4,296	413
22	Schenectady	942	345	232	339	25	204	672	348
Area 9:									
23	Columbia	6,723	368	1,600	357	170	314	4,855	361
24	Dutchess	8,645	436	2,752	416	418	459	5,366	433
25	Greene	1,462	486	364	322	42	323	1,004	591
26	Orange	10,856	620	3,146	418	368	387	7,330	802
27	Putnam	548	446	358	602	68	495	123	248
28	Sullivan	1,362	496	760	471	88	568	512	538
29	Ulster	8,144	414	779	390	152	373	7,149	420
Metropolitan Area G:									
30	Bronx	2	400	...	...	...	...	2	400
31	Kings	67	2,436	...	...	...	...	67	2,436
32	Nassau	7,322	1,933	295	511	20	136	7,006	2,299
33	New York .....	...	...	...	...	...	...	...	...
34	Queens	109	1,730	...	...	...	...	109	1,730
35	Richmond	132	1,288	...	...	...	...	112	1,093
36	Rockland	988	521	166	437	...	...	823	542
37	Suffolk	71,341	2,196	856	658	...	...	70,178	2,269
38	Westchester	724	586	128	440	82	538	498	653

LIME, BY ECONOMIC AREAS AND BY COUNTIES: CENSUS OF 1954—Continued

Fertilizer—Continued								Lime		
Specified crops fertilized		Specified crops fertilized		Fruits, vegetables, and potatoes fertilized		Other crops fertilized except hay		Acres limed	Percent of total cropland plus improved pasture	Quantity used per acre (pounds)
Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)			
Corn	Corn	Wheat	Wheat							
520	307	54	296	42	480	370	287	1,425	3.4	3,018
...
1,263	262	356	358	796	1,109	1,224	268	4,375	3.2	3,694
1,240	361	318	398	1,188	887	1,149	327	5,539	3.7	3,272
3,537	347	310	343	3,764	728	2,692	383	16,715	7.2	3,267
1,853	373	70	409	429	530	1,234	334	11,862	7.6	3,298
1,298	458	5	133	382	1,661	520	411	14,424	7.3	3,068
2,423	395	370	646	1,434	843	2,048	319	13,468	6.4	3,320
1,274	342	252	328	257	873	1,142	286	5,978	4.3	2,725
1,434	391	69	383	227	631	1,094	319	8,691	7.2	3,054
1,532	408	16	427	406	350	976	322	1,645	1.1	2,736
238	344	32	256	457	905	246	469	1,460	2.3	3,048
972	447	...	...	1,570	1,804	1,546	408	2,105	1.7	2,622
1,622	327	276	325	163	665	1,923	295	10,644	3.2	2,574
784	344	26	473	30	1,053	1,975	284	5,535	3.9	3,099
1,932	393	63	365	109	597	1,842	341	6,250	1.7	2,319
1,464	329	186	345	458	425	1,048	444	3,180	3.0	3,160
77	215	...	...	64	522	94	515	789	4.4	3,328
2,704	346	104	315	114	642	1,086	333	6,395	3.6	3,145
520	310	239	378	822	802	485	293	2,360	2.5	3,538
1,886	373	354	353	1,012	780	1,044	343	7,530	6.2	3,312
312	322	64	356	86	430	210	362	1,580	4.3	3,051
2,255	364	338	358	1,258	417	1,004	306	10,958	7.6	3,045
2,795	418	177	389	1,336	475	1,058	432	11,086	7.5	3,537
234	422	152	661	215	473	403	876	2,956	4.1	3,735
1,802	425	26	650	5,412	1,177	90	346	13,510	9.6	2,488
52	270	...	...	46	179	25	556	541	4.0	2,318
331	509	5	323	8	444	168	628	5,130	7.8	3,316
2,174	431	389	406	3,924	435	662	333	8,362	8.8	3,190
...	...	...	...	...	...	2	400	...	...	...
...	...	...	...	50	2,857	17	1,700	40	38.1	750
22	1,467	65	1,529	6,221	2,337	698	2,131	1,170	13.6	2,821
...
...	...	...	...	75	3,000	34	895	105	48.6	1,524
...	...	...	...	80	889	32	2,560	130	16.0	1,538
15	333	...	...	656	451	152	7,600	1,040	18.6	1,106
1,041	818	503	409	67,739	2,449	895	1,175	7,410	9.7	1,046
24	667	...	...	194	382	280	1,318	685	3.6	2,365

NORTH CAROLINA
TONS OF FERTILIZER



LEGEND

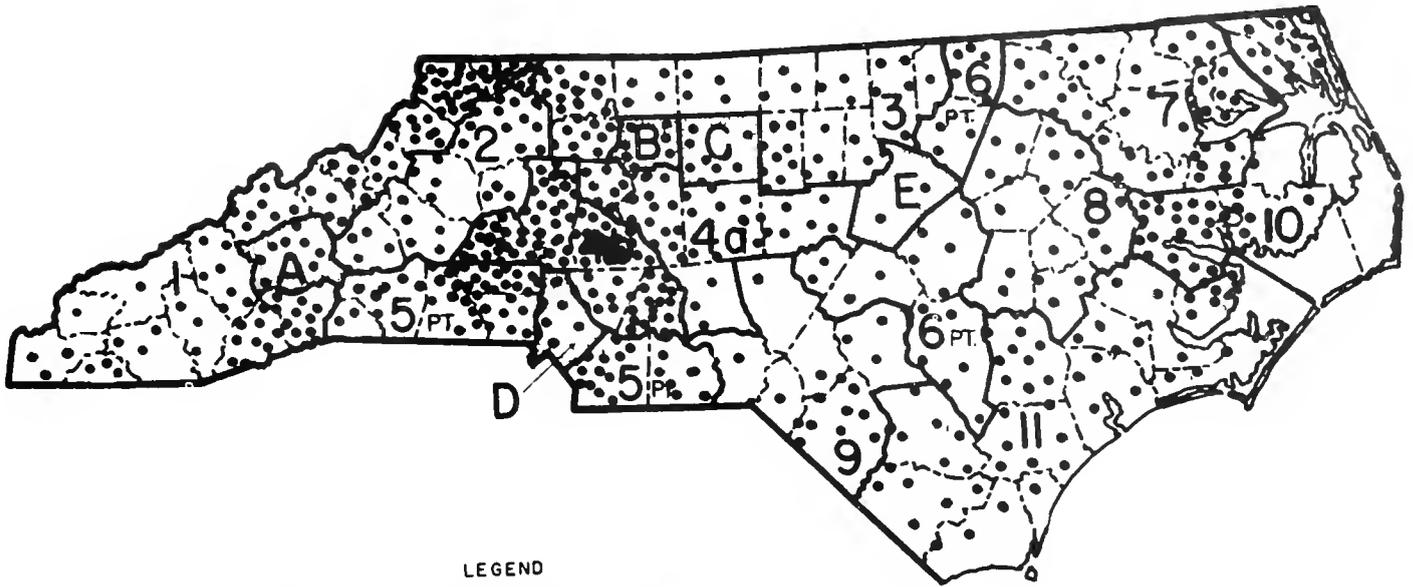
- B METROPOLITAN STATE ECONOMIC AREA
- 2 NONMETROPOLITAN STATE ECONOMIC AREA
- 1 DOT = 2,000 TONS

Map No. A54-448

Table 1.—USE OF FERTILIZER FOR SPECIFIED CROPS AND USE OF

State, economic area, and county	Fertilizer							
	All crops and all pasture fertilized		Hay and cropland pasture fertilized		Other pasture fertilized		All crops fertilized except hay	
	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)
1 North Carolina, total	1,397,770	573	101,717	386	39,642	403	1,251,327	606
Area 1:								
2 Alleghany	2,692	491	612	474	493	433	1,570	519
3 Ashe	6,132	524	1,226	352	592	410	4,244	628
4 Avery	2,801	833	313	376	156	606	2,293	1,017
5 Cherokee	1,993	401	381	389	208	448	1,397	395
6 Clay	1,435	384	585	385	22	169	821	394
7 Graham	930	640	104	438	60	706	770	691
8 Haywood	4,063	441	980	402	496	207	2,615	605
9 Henderson	9,052	633	1,064	405	480	466	7,474	705
10 Jackson	2,406	510	702	411	209	510	1,491	587
11 Macon	3,099	463	1,256	464	296	378	1,582	486
12 Madison	5,491	655	796	365	188	304	4,494	803
13 Mitchell	2,336	535	542	399	302	348	1,485	693
14 Swain	350	331	78	235	10	667	261	369
15 Transylvania	2,273	432	552	334	118	355	1,596	492
16 Watauga	4,565	544	794	360	663	294	3,043	805
17 Yancey	2,193	550	305	422	77	318	1,779	612
Metropolitan Area A:								
18 Runcombe	5,164	466	1,382	402	690	323	3,060	543
Area 2:								
19 Alexander	4,127	418	690	357	294	408	3,110	440
20 Burke	2,810	339	1,136	350	124	268	1,482	324
21 Caldwell	4,051	362	1,242	325	304	339	2,490	384
22 McDowell	1,806	330	501	348	181	358	1,121	320
23 Wilkes	6,760	446	2,338	536	407	537	3,984	402
Area 3:								
24 Alamance	11,170	436	1,577	344	965	399	8,476	456
25 Caswell	12,856	599	1,142	506	406	468	11,356	623
26 Durham	5,140	574	550	397	206	595	4,336	597
27 Granville	18,261	709	701	404	412	378	17,171	758
28 Orange	7,628	450	546	340	762	349	6,393	496
29 Person	13,806	631	722	313	706	434	12,451	690
30 Rockingham	15,952	594	1,505	383	732	401	13,683	656
31 Stokes	14,529	683	842	366	460	474	12,976	716
32 Surry	17,703	617	2,316	334	910	440	14,414	732
33 Vance	12,427	795	932	408	290	706	11,169	867
34 Yadkin	13,033	502	1,764	352	728	414	10,363	554

NORTH CAROLINA
TONS OF LIME



LEGEND
 B METROPOLITAN STATE ECONOMIC AREA
 2 NONMETROPOLITAN STATE ECONOMIC AREA
 1 DOT = 500 TONS

Map No. A54-449

LIME, BY ECONOMIC AREAS AND BY COUNTIES: CENSUS OF 1954—Continued

Fertilizer—Continued								Lime			
Specified crops fertilized		Specified crops fertilized		Fruits, vegetables, and potatoes fertilized		Other crops fertilized except hay		Acres limed	Percent of total cropland plus improved pasture	Quantity used per acre (pounds)	
Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)				
Corn 457,221	Corn 464	Tobacco 421,844	Tobacco 1,287	76,531	891	295,731	441	311,977	4.2	1,906	1
872	469	156	1,418	126	775	416	465	5,830	10.7	2,813	2
1,715	487	779	1,282	1,456	729	294	469	7,389	7.9	2,792	3
580	772	85	1,030	1,452	1,237	176	711	2,010	7.9	2,090	4
1,144	373	41	1,224	110	524	102	443	1,444	6.1	2,217	5
729	367	19	1,900	59	1,388	14	311	2,510	17.3	1,135	6
373	451	279	1,691	112	996	6	600	330	3.5	2,697	7
1,431	462	861	1,369	275	547	48	533	5,027	17.4	1,342	8
1,810	524	24	1,846	5,502	808	138	412	3,033	6.6	2,991	9
851	469	99	1,414	487	799	54	1,187	1,916	5.7	1,492	10
1,133	429	33	660	398	762	18	450	1,913	6.8	1,768	11
1,580	449	2,564	1,665	308	688	42	480	2,565	3.6	2,713	12
670	503	424	1,402	347	816	44	533	1,375	6.2	2,858	13
170	289	20	1,600	71	660	...	...	416	6.2	1,322	14
1,120	432	34	1,046	396	719	46	657	3,558	21.8	2,523	15
983	550	490	1,341	1,414	1,090	156	473	2,741	7.6	2,759	16
820	436	714	1,245	221	548	24	533	1,745	5.9	2,492	17
1,557	391	1,046	1,351	342	576	115	400	3,215	5.2	2,451	18
816	333	1,045	1,292	180	283	1,069	337	1,382	2.8	2,240	19
744	300	...	...	165	598	573	316	2,120	5.7	2,146	20
1,088	373	352	1,043	212	458	838	303	2,365	6.7	1,545	21
664	310	12	533	148	542	297	279	2,070	9.3	2,018	22
1,916	342	826	1,093	498	345	744	354	4,132	6.0	2,863	23
2,702	356	2,836	1,041	354	646	2,584	335	4,230	4.4	2,111	24
2,647	347	7,300	1,131	426	592	983	288	1,760	2.0	1,540	25
1,175	349	2,524	1,135	166	502	471	350	1,222	3.5	1,759	26
5,324	458	10,888	1,213	358	757	601	382	2,163	2.4	2,414	27
1,997	373	2,566	1,185	276	717	1,554	312	1,950	3.4	2,036	28
3,263	359	8,189	1,210	370	1,542	629	323	1,530	2.0	2,229	29
3,024	367	8,854	1,107	521	632	1,284	337	1,575	1.5	2,629	30
2,806	370	8,918	1,165	528	634	724	354	2,270	2.5	1,907	31
3,738	383	9,034	1,322	770	853	872	396	6,008	6.4	1,924	32
2,567	515	6,790	1,285	454	698	1,358	696	464	1.0	2,569	33
2,115	373	5,476	1,176	360	559	2,412	312	3,530	4.3	2,768	34

USE OF FERTILIZER AND LIME

Table 1.—USE OF FERTILIZER FOR SPECIFIED CROPS AND USE OF

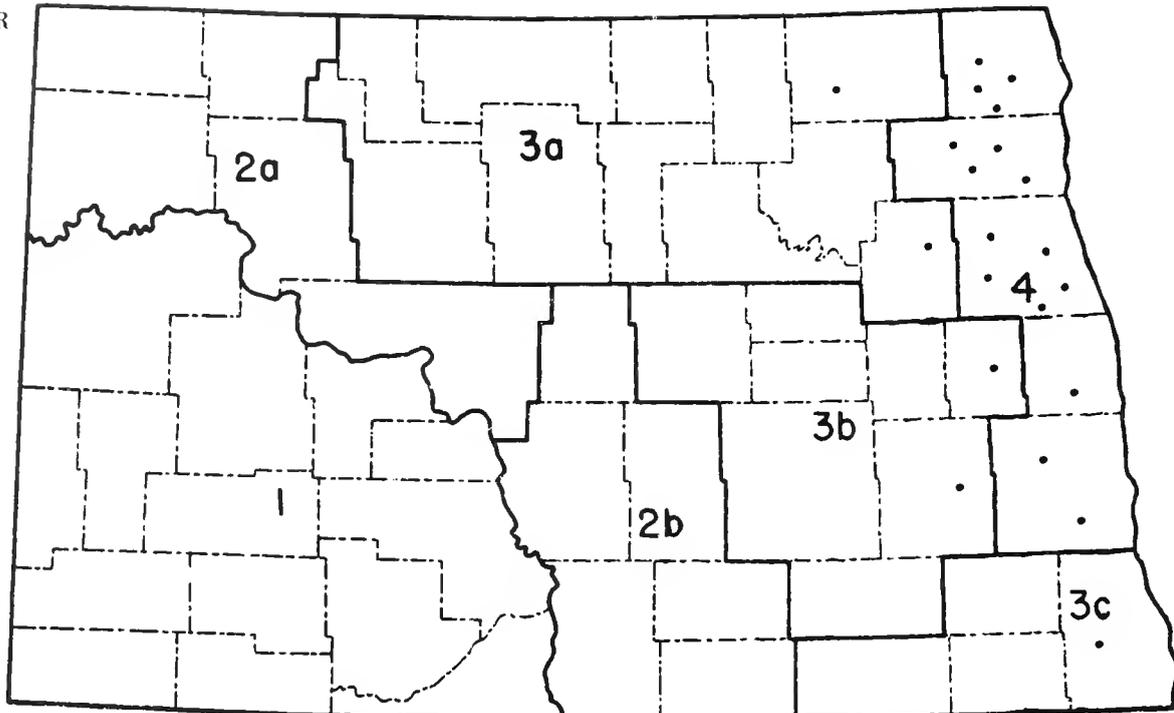
State, economic area, and county	Fertilizer							
	All crops and all pasture fertilized		Hay and cropland pasture fertilized		Other pasture fertilized		All crops fertilized except hay	
	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)
North Carolina—Continued								
1 Metropolitan Area B: Forsyth	10,046	478	2,132	419	608	480	7,279	502
2 Metropolitan Area C: Guilford	17,550	490	2,947	354	1,046	387	13,516	551
Area 4a:								
3 Chatham	10,832	430	1,080	387	1,172	348	8,540	450
4 Davidson	11,000	409	1,178	337	816	401	8,830	427
5 Davie	4,864	326	1,018	330	274	257	3,568	334
6 Montgomery	5,302	512	989	334	196	585	4,169	581
7 Randolph	10,685	378	1,394	348	394	425	8,824	377
Area 4b:								
8 Cabarrus	7,720	304	1,993	306	438	262	5,199	308
9 Catawba	9,756	372	2,610	366	739	456	6,371	367
10 Iredell	16,810	379	2,952	336	1,591	357	12,193	394
11 Rowan	12,980	344	2,694	335	1,110	312	8,973	347
12 Stanly	11,780	387	943	421	688	297	10,035	386
Area 5:								
13 Anson	14,262	465	976	302	465	328	12,716	493
14 Cleveland	27,159	516	3,093	424	895	366	22,913	539
15 Gaston	8,008	421	1,740	433	797	504	5,490	407
16 Lincoln	10,703	386	1,254	311	583	387	8,688	399
17 Polk	3,116	443	1,388	409	571	402	2,125	458
18 Rutherford	10,199	452	1,442	393	600	379	8,039	470
19 Union	22,860	412	1,458	345	862	287	20,473	427
20 Metropolitan Area D: Mecklenburg	10,908	388	3,182	371	686	293	7,019	409
Area 6:								
21 Franklin	20,408	673	1,396	398	168	345	18,749	711
22 Harnett	31,296	673	1,008	347	350	411	29,910	706
23 Johnston	56,320	703	1,276	435	352	392	54,701	713
24 Lee	6,572	650	202	358	302	393	6,009	687
25 Sampson	48,104	618	1,092	377	472	566	46,526	630
26 Warren	13,028	573	1,413	437	317	378	11,252	610
27 Metropolitan Area E: Wake	34,132	728	3,324	427	688	386	30,065	811
Area 7:								
28 Bertie	20,202	627	894	522	312	488	19,036	643
29 Chowan	6,776	512	244	398	36	720	6,369	517
30 Gates	10,165	557	267	712	58	451	9,822	565
31 Halifax	30,748	561	1,233	487	81.6	553	28,573	564
32 Hertford	11,435	575	88	446	80	352	11,384	592
33 Martin	23,371	804	206	499	380	501	22,693	815
34 Northampton	20,164	508	629	295	226	404	19,230	516
35 Perquimans	9,102	425	146	449	30	426	8,943	433
36 Washington	5,833	563	808	832	165	827	4,837	527
Area 8:								
37 Edgecombe	29,333	603	684	321	498	537	28,172	614
38 Greene	23,962	717	193	551	30	571	23,698	711
39 Lenoir	32,075	677	598	413	326	592	31,214	692
40 Nash	37,496	708	1,952	374	698	589	34,749	750
41 Pitt	47,384	742	959	443	443	607	45,577	745
42 Wayne	39,472	624	994	440	224	405	38,114	639
43 Wilson	31,553	748	1,082	395	108	480	30,172	775
Area 9:								
44 Cumberland	19,102	573	1,096	411	230	550	17,758	587
45 Hoke	12,940	527	558	283	49	225	12,239	551
46 Moore	9,535	556	526	336	140	452	8,726	578
47 Richmond	8,748	509	564	309	130	385	7,972	519
48 Robeson	59,371	624	3,534	386	187	495	55,569	647
49 Scotland	11,176	489	504	296	62	248	10,507	511
Area 10:								
50 Beaufort	25,170	569	900	405	140	589	24,277	581
51 Camden	6,346	550	97	289	8	640	6,154	550
52 Currituck	11,039	645	165	482	208	792	10,672	647
53 Dare	8	400	5	333	...	...	2	400
54 Hyde	4,476	389	80	294	85	436	4,261	385
55 Pasquotank	9,834	728	232	698	60	436	9,519	725
56 Tyrrell	2,657	637	34	296	5	500	2,626	652
Area 11:								
57 Bladen	18,002	619	766	498	310	411	17,079	640
58 Brunswick	8,784	648	654	396	206	504	7,953	705
59 Carteret	6,833	944	853	718	172	633	5,788	1,011
60 Columbus	31,698	711	987	473	527	620	29,990	730
61 Craven	15,017	703	343	491	110	601	14,434	706
62 Duplin	41,380	663	948	452	646	579	39,595	673
63 Jones	13,200	642	601	460	349	807	12,077	646
64 New Hanover	2,949	897	54	335	96	246	2,792	1,027
65 Onalaw	13,220	640	546	508	249	570	12,387	647
66 Pamlico	7,720	625	565	645	232	607	6,904	619
67 Pender	14,060	691	778	432	884	596	12,341	728

USE OF FERTILIZER AND LIME

LIME, BY ECONOMIC AREAS AND BY COUNTIES: CENSUS OF 1954—Continued

Fertilizer—Continued								Lime		
Specified crops fertilized		Specified crops fertilized		Fruits, vegetables, and potatoes fertilized		Other crops fertilized except hay		Acres limed	Percent of total cropland plus improved pasture	Quantity used per acre (pounds)
Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)			
Corn	Corn	Tobacco	Tobacco							
1,861	348	2,780	984	550	519	2,088	396	3,379	4.6	2,151
3,480	377	6,396	1,117	480	666	3,160	357	3,622	2.9	2,119
3,252	399	1,900	1,106	252	550	3,136	362	3,256	3.9	1,956
2,430	353	1,896	1,045	412	532	4,092	349	5,985	5.9	2,227
1,100	293	558	890	90	562	1,820	296	3,080	5.3	2,312
1,142	444	684	1,239	1,076	657	1,267	524	1,432	4.1	2,318
3,453	341	1,715	1,115	282	732	3,374	297	5,189	4.7	1,854
1,446	313	...	...	122	728	3,631	300	3,555	4.2	2,008
2,127	416	5	286	318	559	3,921	336	7,596	8.2	2,423
2,664	331	859	1,201	242	547	8,428	388	11,920	7.9	2,027
2,423	359	42	894	316	500	6,192	336	10,377	8.9	2,083
2,225	440	...	...	164	631	7,646	370	9,585	11.2	1,631
3,098	427	274	1,085	186	1,436	9,158	505	2,301	2.6	2,473
4,690	496	18	900	493	730	17,712	547	5,991	4.0	1,700
2,053	430	5	222	136	528	3,296	391	3,303	5.2	2,313
1,940	367	...	...	248	796	6,500	402	5,146	6.7	2,808
1,085	391	1	400	329	639	710	528	2,175	9.7	1,126
2,737	390	30	1,333	841	653	4,431	505	2,480	3.0	2,379
4,367	430	...	...	410	722	15,696	421	6,055	3.9	2,046
2,192	398	...	...	255	468	4,572	412	2,625	2.6	1,985
5,350	446	10,108	1,285	558	845	2,733	468	1,701	1.9	2,028
9,378	473	13,926	1,338	750	1,005	5,856	516	803	0.7	2,762
22,217	517	21,517	1,335	2,455	1,001	8,512	562	2,520	1.3	1,909
1,839	522	3,067	1,178	150	1,017	953	386	801	2.2	2,035
18,862	472	13,755	1,251	4,098	875	9,811	539	4,259	2.3	1,498
2,632	391	4,861	1,140	665	606	3,094	487	2,488	3.5	2,094
8,341	516	17,222	1,286	978	770	3,524	562	1,250	0.9	1,808
9,290	570	5,508	1,288	264	1,035	3,974	453	2,639	3.0	1,336
3,238	497	344	1,246	888	634	1,899	458	2,175	6.0	1,411
6,836	579	158	1,192	248	775	2,580	502	2,912	6.9	1,330
10,578	481	6,073	1,433	434	659	11,488	483	5,962	3.8	1,367
5,400	531	2,556	1,192	82	1,426	3,346	487	2,565	4.9	526
10,508	710	8,169	1,333	976	889	3,040	521	4,476	5.8	1,253
8,616	552	426	1,333	144	862	10,044	475	4,679	4.0	938
5,708	545	...	...	349	784	2,886	296	2,300	4.8	1,116
2,579	530	836	1,335	184	1,363	1,238	348	4,869	13.9	1,518
11,354	460	10,434	1,276	262	651	6,122	486	4,881	3.7	1,065
10,057	461	12,192	1,393	208	1,280	1,241	476	1,070	1.4	1,093
14,710	456	14,814	1,446	630	1,096	1,060	524	1,694	1.6	1,561
11,658	502	16,766	1,333	799	925	5,526	572	2,958	2.3	1,260
15,984	453	24,943	1,362	760	758	3,890	595	2,045	1.3	1,330
16,468	449	14,316	1,393	1,296	942	6,034	534	1,700	1.1	1,453
10,402	486	15,830	1,421	376	1,452	3,564	580	610	0.6	1,574
6,433	469	4,465	1,307	1,518	820	5,342	475	1,925	1.9	1,813
2,660	453	2,787	1,244	234	641	6,558	477	535	0.8	1,424
2,544	414	3,384	1,205	689	781	2,109	400	765	1.3	1,765
2,213	376	1,655	1,137	953	832	3,151	459	632	1.1	1,392
18,327	441	20,357	1,403	629	1,005	16,256	556	5,917	2.5	1,713
2,166	389	1,044	1,222	833	720	6,464	497	555	0.8	1,045
9,184	481	8,260	1,296	2,104	1,337	4,629	315	10,710	9.2	1,946
2,880	454	5	1,000	2,200	1,327	1,069	335	2,042	5.9	1,690
5,118	643	...	...	2,388	1,263	3,166	476	2,072	5.9	2,239
...	...	...	...	2	400	...	...	...	...	...
2,556	437	...	...	449	1,330	1,256	257	2,655	7.6	1,950
4,364	566	...	...	4,095	1,909	1,060	324	3,440	7.3	1,305
1,162	511	...	...	854	1,811	610	475	840	4.5	1,238
8,057	480	6,316	1,179	529	776	2,177	562	4,496	5.1	1,654
3,327	542	3,025	1,256	823	787	778	460	1,882	4.7	1,338
1,454	692	1,592	1,584	2,284	1,394	458	467	1,920	10.1	1,500
12,980	523	13,378	1,271	1,904	980	1,728	456	4,930	3.8	1,286
5,222	426	7,785	1,423	634	1,057	793	375	1,576	2.4	1,977
20,302	492	14,540	1,293	2,945	894	1,808	592	4,922	3.3	1,859
6,124	456	5,340	1,308	173	818	440	462	2,440	4.8	1,637
349	497	154	1,369	1,840	1,374	449	797	1,600	15.0	486
6,186	472	5,372	1,260	233	930	596	391	2,325	4.2	1,923
2,799	540	990	1,310	1,346	1,440	1,769	413	3,295	10.5	1,417
4,920	528	3,033	1,182	3,254	1,319	1,134	435	4,306	7.5	1,734

NORTH DAKOTA
TONS OF FERTILIZER



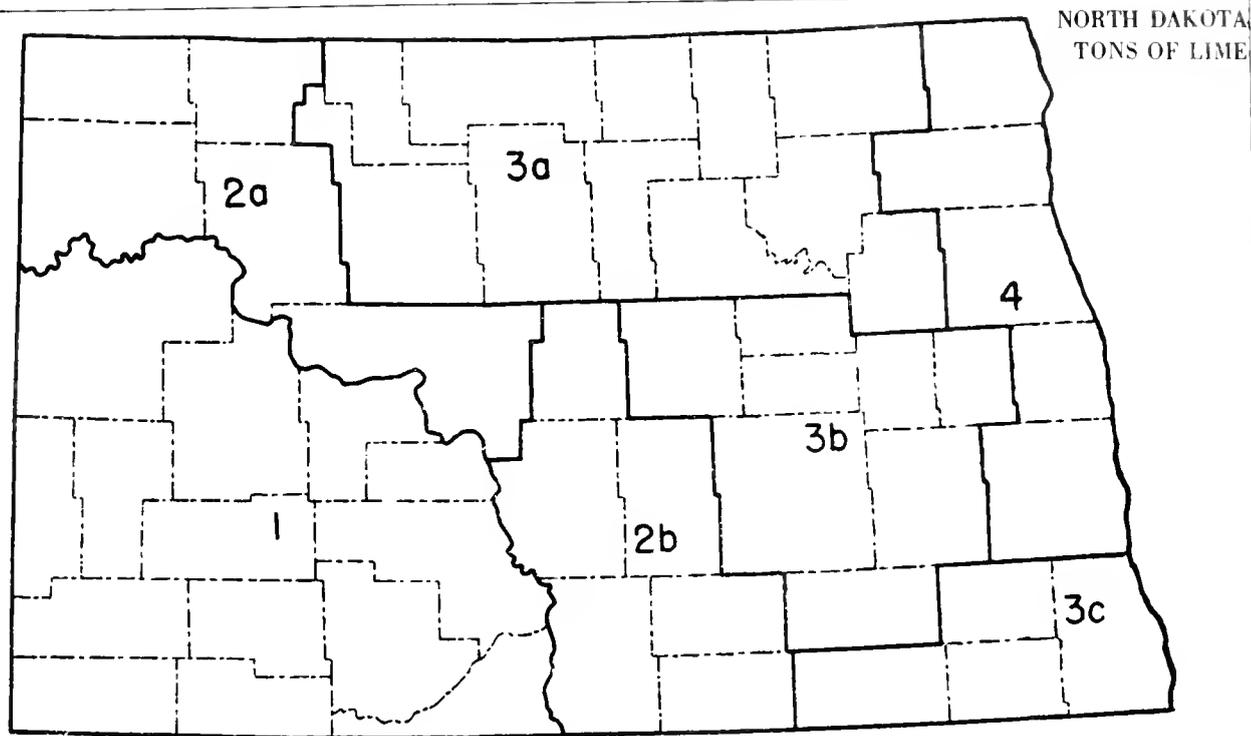
LEGEND
 [B] METROPOLITAN STATE ECONOMIC AREA
 [2] NONMETROPOLITAN STATE ECONOMIC AREA
 1 DOT = 2,000 TONS

Map No. A54-450

Table 1.—USE OF FERTILIZER FOR SPECIFIED CROPS AND USE OF

State, economic area, and county	Fertilizer							
	All crops and all pasture fertilized		Hay and cropland pasture fertilized		Other pasture fertilized		All crops fertilized except hay	
	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)
1 North Dakota, total	54,263	65	1,836	96	407	117	52,005	64
Area 1:								
2 Adams	24	65	1	100	...	...	23	64
3 Billings	21	64	4	70	...	...	17	63
4 Bowman	154	71	10	165	...	...	144	68
5 Dunn	120	43	...	...	...	...	120	43
6 Golden Valley	240	48	5	40	...	...	235	48
7 Grant	181	111	5	48	30	50	146	159
8 Hettinger	125	36	...	...	...	...	125	36
9 McKenzie	676	131	50	91	...	...	625	135
10 Mercer	38	40	...	...	...	...	38	40
11 Morton	87	85	8	186	...	...	79	81
12 Oliver	25	65	1	100	...	...	24	64
13 Sioux	15	74	2	32	...	...	13	93
14 Slope	102	100	17	155	...	...	85	94
15 Stark	151	67	15	94	...	...	136	65
Area 2a:								
16 Burke	106	39	...	...	...	...	106	39
17 Divide	147	39	1	100	...	...	146	39
18 McLean	168	44	4	41	...	...	164	44
19 Mountrail	65	38	...	...	...	...	65	38
20 Williams	461	68	49	170	...	...	412	63
Area 2b:								
21 Burleigh	45	45	4	42	...	...	41	46
22 Emmons	23	46	...	...	...	...	23	46
23 Kidder	48	49	...	...	...	...	48	49
24 Logan	13	82	...	...	...	...	13	82
25 McIntosh	18	130	...	...	...	...	18	130
26 Sheridan	45	44	...	...	...	...	45	44
Area 3a:								
27 Benson:.....	623	47	2	22	...	...	621	47
28 Bottineau	864	41	6	96	60	104	798	39
29 Cavalier	2,718	40	4	38	...	...	2,733	40
30 McHenry	279	58	12	84	...	...	267	57
31 Nelson	1,487	48	38	77	2	160	1,435	47
32 Pierce	218	45	...	...	...	...	218	45
33 Ramsey	604	45	2	100	...	...	602	45
34 Renville	632	39	10	33	...	...	622	39
35 Rolette	478	44	12	23	...	...	470	46
36 Towner	848	43	...	...	...	...	848	44
37 Ward	591	45	80	133	...	...	510	41

Z 0.05 percent or less.



LEGEND
 1 METROPOLITAN STATE ECONOMIC AREA
 2 NONMETROPOLITAN STATE ECONOMIC AREA
 1 DOT = 500 TONS

Map No. A54-451

LIME, BY ECONOMIC AREAS AND BY COUNTIES: CENSUS OF 1954—Continued

Fertilizer—Continued								Lime		
Specified crops fertilized		Specified crops fertilized		Fruits, vegetables, and potatoes fertilized		Other crops fertilized except hay		Acres limed	Percent of total cropland plus improved pasture	Quantity used per acre (pounds)
Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)			
<i>Corn</i> 5,363	<i>Corn</i> 80	<i>Wheat</i> 20,752	<i>Wheat</i> 54	5,295	178	20,595	61	140	(2)	857 1
17	63	5	75	...	...	1	50	...	...	...
4	67	8	47	1	400	4	114	...	...	...
8	49	108	65	...	...	28	95	4	...	2,000 4
34	48	63	38	1	2,000	22	49	...	...	...
12	42	165	42	30	130	28	60	...	...	...
5	35	138	188	...	...	3	71	...	...	...
13	45	104	35	...	...	8	32	...	...	...
384	216	81	49	...	...	160	136	...	...	...
22	68	11	28	...	...	5	21	...	...	...
40	90	29	65	1	222	9	104	1	(2)	2,000 11
1	67	23	65	...	...	...	...	...	...	...
3	86	10	95	...	...	...	...	...	...	...
...	...	80	94	...	...	5	91	...	...	...
33	127	91	55	...	...	12	63	...	...	...
7	85	67	35	...	...	32	43	...	...	...
6	120	116	36	...	...	24	51	...	...	...
15	66	125	42	...	...	24	43	...	...	...
...	...	64	38	...	...	1	27	...	...	...
7	49	250	47	...	...	155	152	...	...	...
21	39	18	58	...	...	2	44	...	...	...
19	45	3	46	...	...	1	100	...	...	...
2	36	15	42	...	...	31	55	...	...	...
6	86	4	62	...	...	3	122	...	...	...
10	400	8	71	...	...	...	...	...	...	...
5	34	32	45	...	...	8	46	...	...	...
28	60	313	44	4	57	276	49	...	...	...
58	55	531	40	...	...	209	35	...	...	...
5	51	1,401	41	62	140	1,265	38	...	...	...
29	99	159	45	21	457	58	69	...	...	...
44	83	589	46	4	33	798	47	...	...	...
11	46	166	46	1	100	40	42	...	...	...
40	50	383	44	2	40	177	46	...	...	...
6	133	433	38	...	...	183	39	100	(2)	1,000 34
10	59	321	44	...	...	139	50	...	...	...
6	56	538	42	15	100	289	44	...	...	...
9	71	424	44	4	11	73	29	35	(2)	286 37

USE OF FERTILIZER AND LIME

Table 1.—USE OF FERTILIZER FOR SPECIFIED CROPS AND USE OF

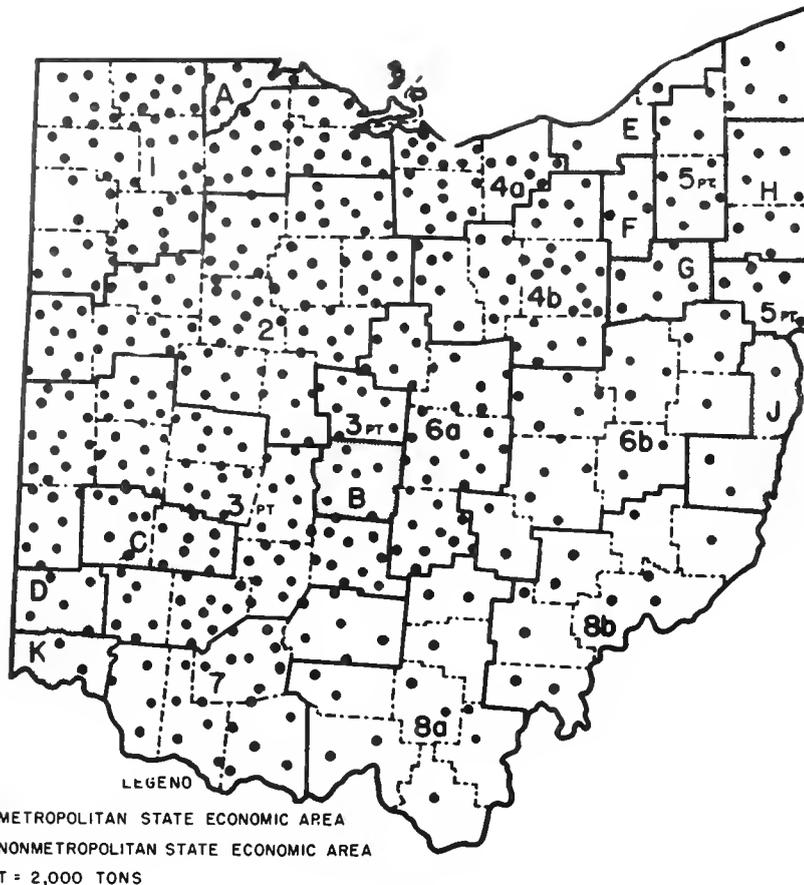
State, economic area, and county	Fertilizer								
	All crops and all pasture fertilized		Hay and cropland pasture fertilized		Other pasture fertilized		All crops fertilized except hay		
	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	
North Dakota—Continued									
Area 3b:									
1	Barnes	1,368	52	136	66	...	...	1,206	49
2	Eddy	352	48	15	56	...	...	337	48
3	Foster	567	54	35	90	6	160	525	52
4	Griggs	661	55	25	81	1	83	635	54
5	La Moure	248	52	6	120	...	...	241	50
6	Steele	1,499	57	14	85	2	80	1,484	57
7	Stutsman	407	68	3	98	1	95	402	68
8	Wells	548	43	7	74	...	...	541	48
Area 3c:									
9	Dickey	433	149	...	...	60	400	373	136
10	Ransom	284	79	30	113	...	...	254	76
11	Richland	2,450	70	308	94	23	50	2,119	67
12	Sargent	271	63	21	89	...	...	250	62
Area 4:									
13	Cass	4,156	69	235	125	2	85	3,926	67
14	Grand Forks	9,337	89	304	128	181	154	8,854	87
15	Pembina	8,122	72	76	100	17	72	8,029	71
16	Trails	2,708	73	208	118	10	143	2,490	71
17	Walsh	8,412	78	71	71	12	137	8,324	78

LIME, BY ECONOMIC AREAS AND BY COUNTIES: CENSUS OF 1954—Continued

Fertilizer—Continued								Lime		
Specified crops fertilized		Specified crops fertilized		Fruits, vegetables, and potatoes fertilized		Other crops fertilized except hay		Acres limed	Percent of total cropland plus improved pasture	Quantity used per acre (pounds)
Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)			
Corn	Corn	Wheat	Wheat							
165	68	622	45	15	231	404	48	...	...	...
61	66	183	42	6	57	87	51	...	...	...
30	56	204	48	2	62	289	56	...	...	...
107	69	297	53	...	...	231	50	...	...	...
78	51	108	53	...	...	55	45	...	...	...
82	69	578	56	61	241	763	52	...	...	...
69	63	139	53	26	135	168	83	...	...	...
81	60	228	46	1	67	231	46	...	...	...
122	116	88	145	1	667	162	149	...	...	...
101	71	66	67	17	262	70	81	...	...	...
1,142	79	208	55	20	61	749	58	...	...	...
129	81	71	48	2	200	48	50	...	...	...
977	71	1,132	60	60	109	1,757	69	...	...	...
671	102	3,043	73	1,820	215	3,320	74	...	...	...
224	87	3,088	60	1,306	184	3,411	66	...	...	...
324	95	852	66	72	121	1,242	68	...	...	...
80	95	2,969	63	1,740	167	3,535	73	...	...	...

OHIO

TONS OF FERTILIZER

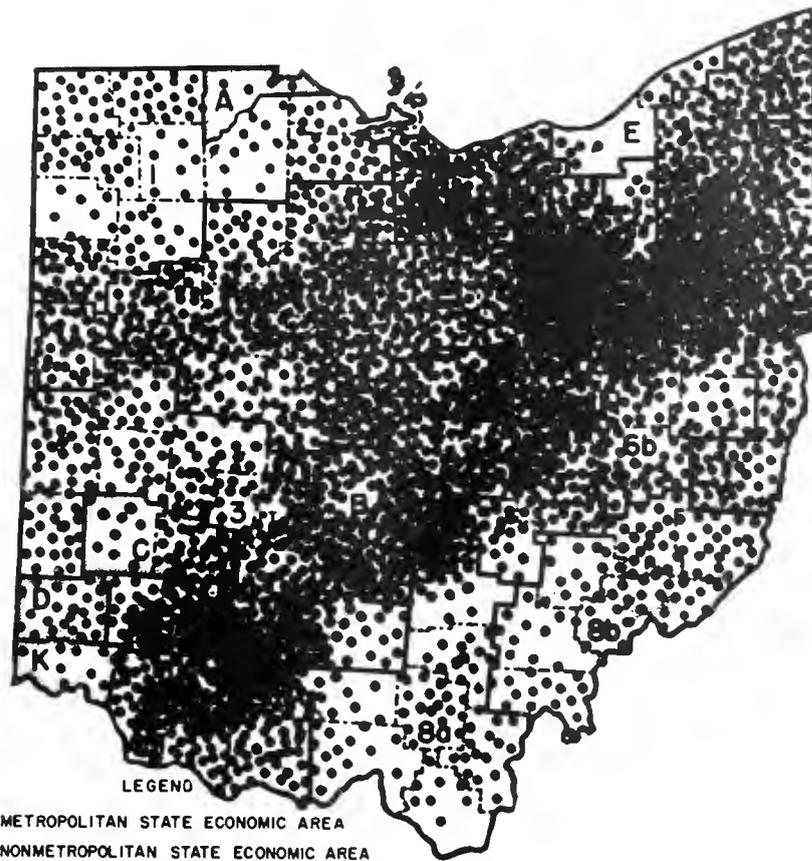


Map No. A54-452

Table 1.—USE OF FERTILIZER FOR SPECIFIED CROPS AND USE OF

State, economic area, and county	Fertilizer							
	All crops and all pasture fertilized		Hay and cropland pasture fertilized		Other pasture fertilized		All crops fertilized except hay	
	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)
1 Ohio, total	971,525	292	67,655	302	16,744	309	876,949	288
Area 1:								
2 Defiance	11,620	264	750	244	70	235	10,578	263
3 Fulton	18,870	278	1,241	301	45	360	17,649	278
4 Henry	15,531	269	572	240	8	291	14,759	267
5 Ottawa	6,792	298	500	248	2	160	6,290	309
6 Paulding	6,766	257	171	224	2	400	6,471	249
7 Putnam	16,114	257	864	291	56	252	14,885	255
8 Sandusky	17,928	319	1,242	268	164	274	16,378	320
9 Van Wert	12,780	249	442	236	41	273	12,072	249
10 Williams	13,182	251	407	216	41	256	12,475	252
11 Wood	23,438	262	948	247	22	400	22,333	262
Metropolitan Area A:								
12 Lucas	10,297	329	416	283	...	...	9,828	329
Area 2:								
13 Allen	14,389	270	529	231	85	254	13,494	266
14 Auglaize	13,630	233	1,020	282	104	318	12,390	232
15 Crawford	13,201	263	628	304	71	290	12,418	262
16 Hancock	17,115	257	540	228	72	227	16,429	257
17 Hardin	17,560	295	832	350	50	253	16,570	256
18 Logan	14,101	298	1,062	270	316	224	12,582	254
19 Marion	11,558	258	578	303	61	400	10,941	256
20 Mercer	17,370	256	1,770	253	249	237	15,024	253
21 Seneca	18,786	257	1,076	343	220	356	17,348	254
22 Union	12,536	265	700	259	159	261	11,430	260
23 Wyandot	12,700	271	707	295	90	269	11,803	272
Area 3:								
24 Champaign	14,700	259	934	242	352	266	13,172	257
25 Clark	13,158	270	1,356	330	207	237	11,503	261
26 Clinton	17,260	295	961	342	102	283	15,943	284
27 Darke	24,293	277	1,310	293	292	315	22,517	276
28 Delaware	14,082	293	1,098	304	337	273	12,434	285
29 Fayette	16,373	264	1,068	372	161	346	14,868	251
30 Madison	16,244	277	1,142	279	214	325	14,735	274
31 Miami	17,196	279	963	243	196	233	15,846	284
32 Pickaway	19,718	263	1,292	291	292	439	17,795	253
33 Preble	15,918	272	814	271	115	238	14,841	267
34 Shelby	14,260	250	1,076	261	73	203	13,015	246
35 Warren	11,341	285	801	248	274	374	10,266	285

OHIO
TONS OF LIME



LEGEND
 [A] METROPOLITAN STATE ECONOMIC AREA
 [2] NONMETROPOLITAN STATE ECONOMIC AREA
 1 DOT = 500 TONS

Map No. A54-453

LIME, BY ECONOMIC AREAS AND BY COUNTIES: CENSUS OF 1954—Continued

Fertilizer—Continued								Lime			
Specified crops fertilized		Specified crops fertilized		Fruits, vegetables, and potatoes fertilized		Other crops fertilized except hay		Acres limed	Percent of total cropland plus improved pasture	Quantity used per acre (pounds)	
Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)				
Corn 467,347	Corn 281	Wheat 223,842	Wheat 290					841,087	6.4	3,684	1
5,558	279	3,146	274	36	282	1,838	211	7,267	4.1	2,620	2
9,328	270	3,892	294	886	804	3,543	244	7,220	3.7	2,842	3
7,533	254	4,492	286	484	480	2,250	252	5,590	2.6	1,508	4
2,102	270	2,322	308	462	508	1,404	341	1,735	1.7	4,790	5
2,948	235	2,347	267	28	487	1,148	253	3,155	1.6	2,355	6
7,147	251	4,275	257	557	451	2,906	239	7,070	2.9	2,304	7
7,451	294	4,113	296	2,004	919	2,810	290	6,180	3.3	3,680	8
6,547	243	3,211	269	94	365	2,220	237	8,940	4.2	3,706	9
6,373	258	3,320	278	180	537	2,602	208	8,035	4.4	2,427	10
10,598	260	7,124	277	512	651	4,099	227	5,069	1.7	2,430	11
4,097	314	2,102	304	2,020	683	1,609	231	1,720	1.7	1,820	12
7,336	276	3,176	270	128	353	2,854	237	8,640	5.1	3,228	13
6,264	226	3,008	263	64	449	3,054	218	11,410	6.2	3,411	14
6,934	265	3,342	283	70	418	2,072	226	12,379	6.9	3,836	15
9,049	261	4,376	268	240	1,021	2,764	217	9,785	3.8	3,204	16
9,748	268	3,452	256	200	482	3,170	217	10,566	4.7	4,329	17
7,297	256	2,670	284	61	370	2,554	224	7,625	4.2	3,515	18
6,706	267	2,331	271	50	270	1,854	210	10,600	6.0	3,883	19
7,896	257	3,747	271	170	425	3,211	223	11,330	5.0	3,395	20
9,198	250	4,728	267	306	651	3,116	234	11,995	4.7	4,460	21
6,790	268	2,456	273	22	238	2,162	227	7,670	4.0	3,829	22
6,504	265	3,480	300	92	368	1,727	248	11,140	5.6	4,174	23
7,678	260	3,062	282	86	410	2,346	220	4,805	2.6	3,380	24
6,917	252	3,072	293	16	229	1,498	248	6,365	3.8	3,595	25
9,842	280	4,413	290	210	535	1,478	270	15,789	8.4	3,597	26
13,296	283	4,160	258	846	1,102	4,215	239	9,300	3.3	4,027	27
7,664	290	2,672	287	18	327	2,080	264	14,185	8.0	3,843	28
8,300	247	4,418	264	78	186	2,072	241	9,385	4.3	3,739	29
8,918	280	3,833	281	92	423	1,892	238	8,478	3.7	5,155	30
8,933	272	4,308	296	717	1,220	1,888	241	4,010	2.2	4,072	31
10,693	257	5,554	250	136	338	1,412	234	14,711	5.7	3,649	32
9,072	267	3,421	266	269	1,681	2,079	242	5,740	3.1	3,758	33
7,004	254	3,024	274	15	667	2,972	209	5,300	2.8	3,878	34
6,814	289	2,440	278	70	262	942	279	8,665	5.9	4,277	35

Table 1.—USE OF FERTILIZER FOR SPECIFIED CROPS AND USE OF

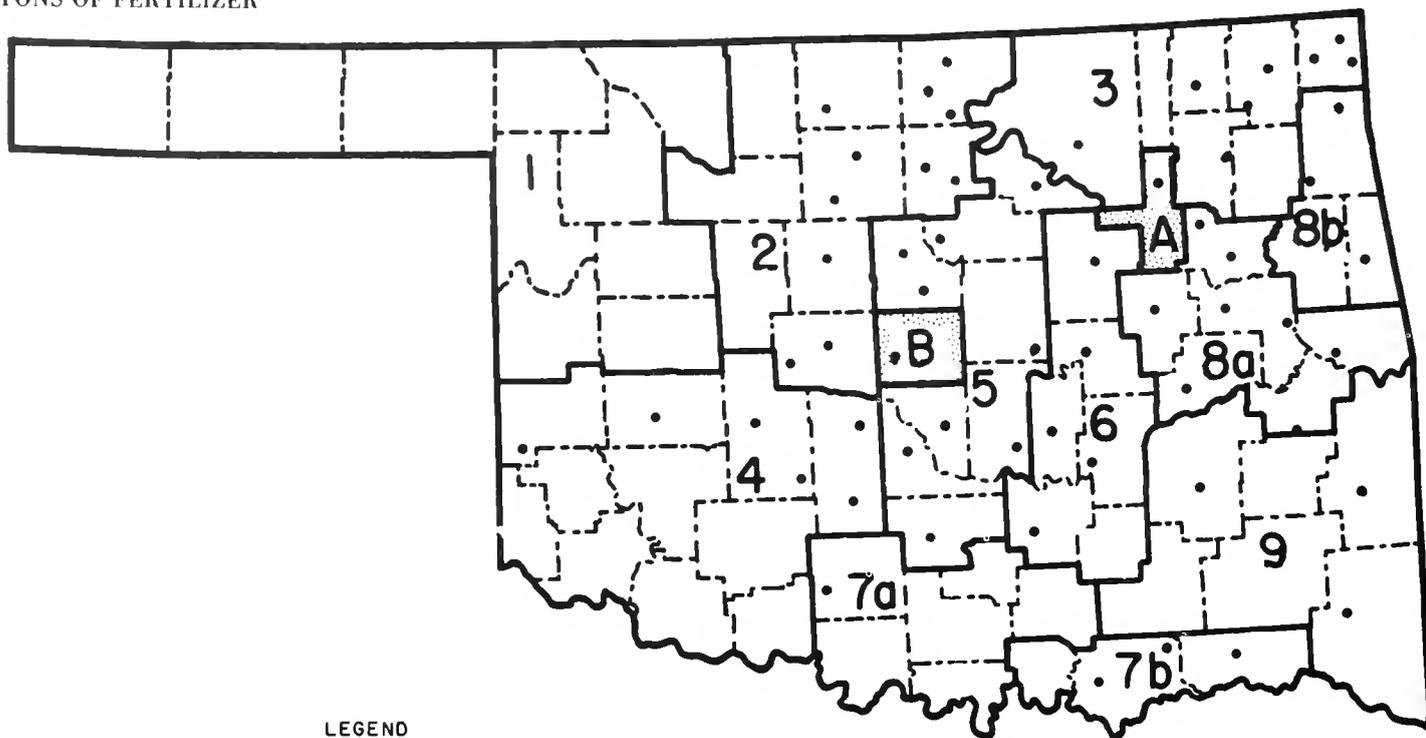
State, economic area, and county	Fertilizer							
	All crops and all pasture fertilized		Hay and cropland pasture fertilized		Other pasture fertilized		All crops fertilized except hay	
	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)
Ohio—Continued								
1 Metropolitan Area B: Franklin	13,884	291	1,009	341	396	476	12,171	277
2 Metropolitan Area C: Greene	16,690	306	1,322	344	250	293	15,010	301
3 Montgomery	14,362	307	973	263	228	388	12,140	288
4 Metropolitan Area D: Butler	10,766	260	1,078	362	192	373	9,433	247
5 Area 4a: Erie	12,486	358	930	364	180	336	11,219	359
6 Huron	17,058	301	404	363	132	341	16,458	300
7 Lorain	12,437	392	1,064	388	137	380	11,394	402
8 Metropolitan Area E: Cuyahoga	1,934	618	122	257	...	...	1,777	666
9 Lake	2,280	407	212	404	32	291	2,005	406
10 Area 4b: Ashland	11,109	296	774	270	242	247	9,878	296
11 Holmes	10,244	270	450	302	324	312	9,301	262
12 Medina	10,661	335	1,090	378	182	322	9,323	328
13 Richland	11,886	282	920	327	282	272	10,513	273
14 Wayne	22,856	341	2,078	350	744	362	20,092	341
15 Area 5: Ashtabula	10,616	344	630	332	176	381	9,761	343
16 Columbiana	10,950	349	480	259	266	327	10,017	345
17 Geauga	5,856	345	543	339	137	317	5,100	340
18 Portage	11,206	382	920	315	111	171	9,992	389
19 Metropolitan Area F: Summit	5,906	378	581	308	115	205	5,319	411
20 Metropolitan Area G: Stark	12,899	305	1,043	332	303	271	11,467	302
21 Metropolitan Area H: Mahoning	7,831	345	562	350	66	287	7,099	336
22 Trumbull	9,894	366	736	375	72	316	9,056	364
23 Area 6a: Fairfield	17,277	294	1,668	263	316	258	15,227	294
24 Knox	12,196	299	448	255	337	283	11,358	303
25 Licking	18,608	317	1,296	305	612	366	16,590	315
26 Morrow	11,108	292	802	303	132	284	10,029	286
27 Area 6b: Carroll	5,098	302	326	271	136	309	4,565	302
28 Coshocton	10,100	374	902	342	410	356	8,621	369
29 Guernsey	3,762	309	462	361	442	343	2,801	298
30 Harrison	1,904	290	148	229	145	289	1,587	294
31 Muskingum	9,516	355	810	295	410	295	8,234	356
32 Perry	4,982	317	300	258	98	233	4,588	318
33 Tuscarawas	8,513	328	921	301	387	264	7,052	324
34 Metropolitan Area J: Belmont	3,572	332	470	374	155	339	2,926	321
35 Jefferson	2,372	305	201	285	106	190	2,023	306
36 Area 7: Adams	11,313	405	951	393	340	349	9,876	398
37 Brown	9,028	367	308	275	55	220	8,618	364
38 Clermont	8,729	349	698	307	159	372	7,785	348
39 Highland	17,756	294	1,110	295	292	328	16,143	285
40 Ross	11,332	244	609	271	452	449	10,064	229
41 Metropolitan Area K: Hamilton	3,765	384	580	425	194	524	2,964	366
42 Area 8a: Gallia	4,144	394	568	335	316	349	3,251	399
43 Hocking	3,588	315	365	248	234	321	2,982	325
44 Jackson	3,828	372	586	338	212	428	3,025	373
45 Pike	3,244	280	468	361	60	238	2,712	269
46 Scioto	4,603	309	356	258	64	249	4,153	309
47 Vinton	2,380	410	437	382	101	287	1,829	421
48 Metropolitan Area L: Lawrence	1,866	347	370	306	84	317	1,409	362
49 Area 8b: Athens	3,386	340	448	296	262	273	2,668	355
50 Meigs	3,974	433	746	497	258	330	2,935	426
51 Monroe	3,316	355	606	400	289	397	2,348	334
52 Morgan	3,534	365	446	358	210	396	2,881	360
53 Noble	1,994	336	444	316	98	248	1,433	341
54 Washington	6,114	389	1,074	367	268	305	4,665	386

LIME, BY ECONOMIC AREAS AND BY COUNTIES: CENSUS OF 1954—Continued

Fertilizer—Continued								Lime		
Specified crops fertilized		Specified crops fertilized		Fruits, vegetables, and potatoes fertilized		Other crops fertilized except hay		Acres limed	Percent of total cropland plus improved pasture	Quantity used per acre (pounds)
Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)			
Corn 6,768	Corn 274	Wheat 3,471	Wheat 286	286	506	1,646	251	11,300	6.4	3,891 1
9,452	301	4,214	305	136	788	1,208	268	9,425	5.4	3,662 2
7,104	279	3,246	286	167	415	1,623	330	3,240	2.1	2,895 3
5,850	239	2,483	261	77	933	1,023	251	6,750	4.1	3,403 4
4,540	321	2,455	308	1,924	631	2,300	377	8,685	9.3	4,341 5
7,634	293	4,218	313	1,118	893	3,488	248	18,480	9.4	4,150 6
5,069	377	2,464	359	1,499	870	2,362	373	12,130	7.9	4,702 7
398	448	212	377	370	779	797	1,070	2,025	8.9	2,227 8
555	359	264	335	768	519	418	372	2,040	5.6	4,064 9
4,914	298	2,844	301	198	1,165	1,922	264	13,925	9.6	3,999 10
4,089	266	3,222	282	40	571	1,950	227	20,082	14.6	3,428 11
4,732	336	2,383	328	342	561	1,866	289	14,950	10.9	4,184 12
5,056	280	2,958	284	457	928	2,042	214	13,120	8.0	3,902 13
9,166	334	5,594	317	2,352	1,128	2,980	254	32,975	15.0	3,397 14
4,300	339	2,148	360	776	395	2,537	323	13,020	7.4	5,258 15
3,589	330	2,465	327	1,315	695	2,648	304	20,705	15.0	3,395 16
2,362	344	1,027	348	116	374	1,595	327	7,788	9.9	4,437 17
3,886	344	2,074	347	1,996	1,022	2,036	316	14,185	11.9	3,980 18
1,664	333	1,100	358	1,200	665	1,355	441	6,830	10.8	3,616 19
4,399	288	3,366	305	958	797	2,744	261	23,020	14.2	3,245 20
2,910	310	1,778	327	931	799	1,480	287	11,250	12.3	4,077 21
4,233	356	1,940	350	684	843	2,199	330	16,315	12.8	3,928 22
8,796	295	5,194	300	32	352	1,205	264	18,910	9.1	3,576 23
6,053	301	3,710	321	66	222	1,529	275	12,461	7.1	3,455 24
9,914	327	4,522	312	296	281	1,858	270	19,710	8.7	3,227 25
5,504	281	2,386	305	253	865	1,886	257	11,530	8.0	3,729 26
1,747	295	1,372	321	74	538	1,372	286	11,720	13.2	3,508 27
4,680	347	1,932	313	1,222	1,134	787	298	14,675	13.0	3,706 28
1,610	290	741	320	24	135	426	314	7,775	9.1	3,619 29
763	298	388	310	12	424	436	271	4,955	9.5	3,802 30
4,378	324	1,993	323	953	1,342	910	333	11,123	7.9	4,722 31
2,446	313	1,676	327	33	400	433	307	5,670	7.0	3,647 32
3,890	350	2,104	313	174	239	884	278	17,120	13.0	3,143 33
1,464	321	550	326	202	366	710	307	9,526	10.2	3,531 34
790	310	603	323	114	294	516	284	6,655	11.5	3,480 35
5,056	330	2,364	340	34	1,046	2,422	985	10,843	7.4	4,022 36
4,628	297	1,780	315	80	970	2,130	885	9,640	4.6	4,771 37
5,013	318	1,438	319	186	456	1,148	687	9,320	6.7	4,630 38
9,584	281	4,799	277	62	208	1,698	343	24,265	10.5	3,260 39
6,257	229	3,080	226	132	406	595	225	10,813	5.5	3,666 40
1,462	281	322	282	400	602	780	721	3,680	6.4	2,266 41
1,736	319	314	335	219	701	982	677	5,385	8.5	3,229 42
1,811	309	836	335	25	385	310	403	2,042	3.5	4,628 43
2,060	375	434	363	139	329	392	393	4,923	7.3	3,364 44
1,986	267	424	274	18	450	284	269	3,680	5.4	3,566 45
2,708	269	426	314	500	810	519	368	4,520	7.3	3,150 46
1,218	413	376	447	58	527	177	395	4,328	10.6	2,977 47
748	292	68	343	204	245	389	1,265	2,370	5.8	3,097 48
1,809	362	227	342	94	355	538	341	3,160	5.4	3,136 49
1,638	387	330	342	572	786	395	405	4,850	8.1	3,173 50
1,180	321	540	374	100	377	528	322	5,380	8.8	4,290 51
1,686	343	576	342	189	1,160	430	346	2,944	5.0	4,522 52
952	339	198	334	14	400	269	351	4,305	7.1	4,576 53
2,575	350	726	346	923	717	441	324	8,715	9.5	2,766 54

OKLAHOMA

TONS OF FERTILIZER



LEGEND

- 8 METROPOLITAN STATE ECONOMIC AREA
 - 2 NONMETROPOLITAN STATE ECONOMIC AREA
- 1 DOT = 2,000 TONS

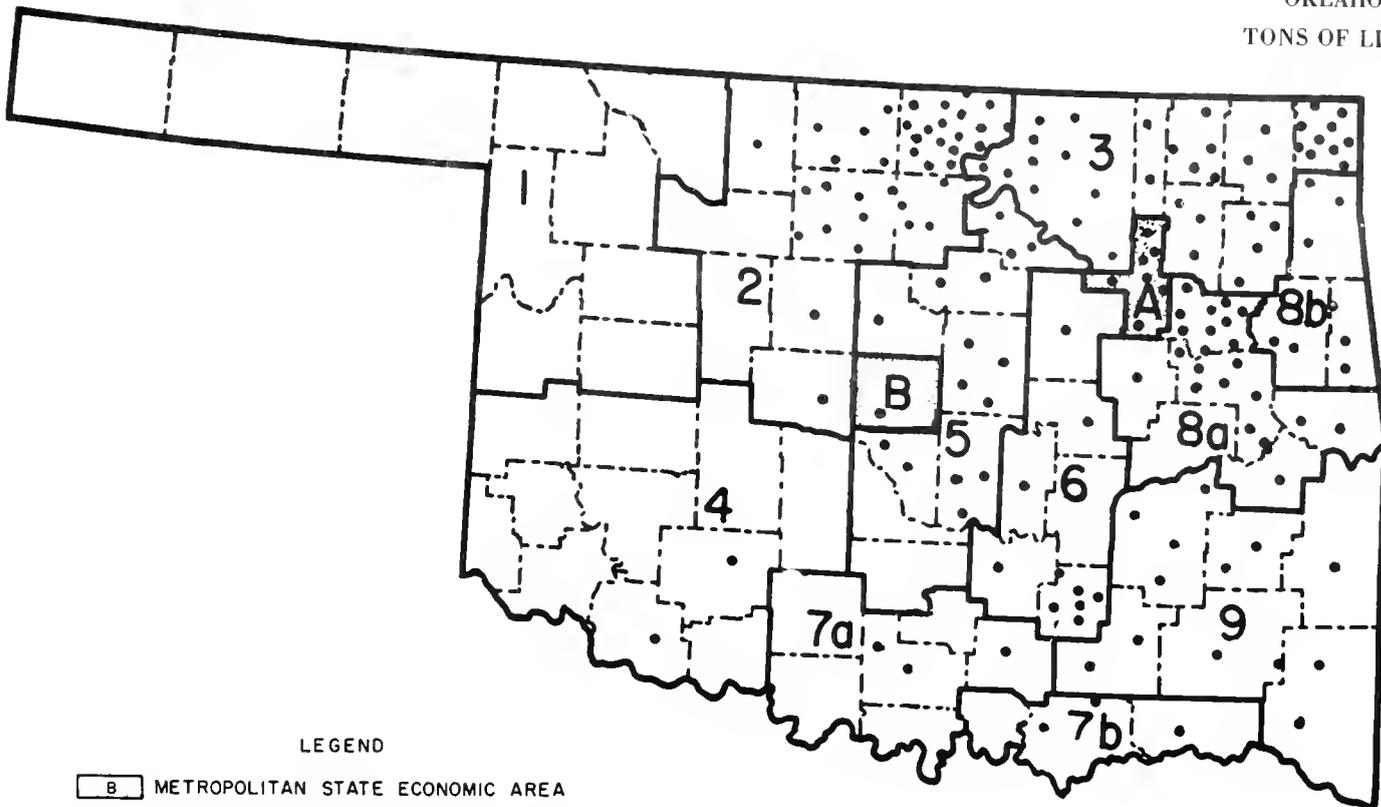
Map No. A54-454

Table 1.-USE OF FERTILIZER FOR SPECIFIED CROPS AND USE OF

State, economic area, and county	Fertilizer							
	All crops and all pasture fertilized		Hay and cropland pasture fertilized		Other pasture fertilized		All crops fertilized except hay	
	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)
1 Oklahoma, total	126,331	128	26,332	179	8,774	162	90,388	115
Area 1:								
2 Beaver	67	129	13	161	...	...	54	123
3 Cimarron	31	117	16	356	...	...	14	64
4 Custer	809	95	32	144	...	...	777	95
5 Dewey	401	94	104	153	11	244	286	81
6 Ellia	162	85	66	97	4	94	92	78
7 Harper	151	140	83	167	...	...	68	117
8 Roger Mills	524	72	68	95	18	60	434	68
9 Texas	184	86	12	117	2	73	170	84
10 Woods	240	109	58	271	...	...	181	91
11 Woodward	257	98	40	136	...	...	218	93
Area 2:								
12 Alfalfa	506	74	48	117	26	249	432	67
13 Blaine	622	105	228	149	4	160	387	89
14 Canadian	4,235	95	354	152	6	67	3,814	92
15 Garfield	3,280	64	386	77	16	67	2,875	63
16 Grant	1,535	68	110	214	2	32	1,409	64
17 Kay	6,680	88	662	156	80	173	5,895	83
18 Kingfisher	1,121	77	116	97	12	71	994	76
19 Major	958	73	160	129	...	...	798	67
20 Noble	3,554	69	209	83	24	229	3,321	69
Area 3:								
21 Craig	3,604	135	508	190	164	133	2,910	127
22 Mayes	2,007	139	525	181	343	173	1,192	124
23 Nowata	1,694	169	521	282	14	137	1,190	148
24 Osage	2,113	157	776	212	139	328	1,194	129
25 Ottawa	6,020	168	918	161	188	137	4,589	157
26 Rogers	2,411	159	522	198	195	315	1,668	138
27 Washington	613	220	244	306	15	361	354	182
Metropolitan Area A:								
28 Tulsa	2,528	208	646	239	404	209	1,477	193

Z 0.05 percent or less.

OKLAHOMA
TONS OF LIME



LEGEND

- B METROPOLITAN STATE ECONOMIC AREA
- 2 NONMETROPOLITAN STATE ECONOMIC AREA
- 1 DOT = 500 TONS

Map No. A54-455

LIME, BY ECONOMIC AREAS AND BY COUNTIES: CENSUS OF 1954—Continued

Fertilizer—Continued								Lime			
Specified crops fertilized		Specified crops fertilized		Fruits, vegetables, and potatoes fertilized		Other crops fertilized except hay		Acres limed	Percent of total cropland plus improved pasture	Quantity used per acre (pounds)	
Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)				
Corn 9,018	Corn 161	Cotton 12,204	Cotton 125	2,889	283	66,277	107	59,572	0.4	2,572	1
...	...	...	...	(2)	(2)	54	123	...	...	...	2
(2)	(2)	...	...	...	...	14	65	...	...	...	3
6	104	134	109	25	500	612	89	...	...	...	4
4	40	44	89	...	...	238	81	...	...	...	5
2	73	7	177	...	...	83	74	...	...	...	6
...	...	...	...	...	...	68	117	...	...	...	7
9	84	280	85	...	...	145	49	...	...	...	8
...	...	...	...	...	...	170	84	...	...	...	9
8	86	...	...	...	...	173	91	...	...	...	10
3	71	38	152	2	222	175	86	...	...	...	11
...	...	...	...	...	...	432	67	300	0.4	4,000	12
6	100	51	78	...	...	330	91	...	...	...	13
212	112	509	135	3	273	3,090	86	280	0.1	2,786	14
...	...	35	212	...	...	2,840	62	3,660	0.8	2,120	15
2	114	...	...	...	...	1,407	64	1,585	0.4	3,023	16
52	100	13	141	...	...	5,830	83	4,574	1.3	3,401	17
14	112	22	157	7	140	951	75	135	(2)	2,074	18
6	42	14	106	76	154	702	64	85	(2)	2,118	19
58	114	54	273	...	...	3,209	67	1,435	0.6	2,690	20
311	129	31	170	16	246	2,552	126	585	0.3	5,070	21
155	171	4	133	56	2,489	977	113	1,235	0.8	3,020	22
103	135	22	129	1	400	1,064	149	1,332	1.3	3,797	23
123	140	225	147	...	...	846	123	3,080	1.7	3,492	24
508	156	...	...	4	400	4,077	157	2,578	2.1	3,960	25
287	158	52	123	5	500	1,324	134	823	0.7	3,356	26
50	192	...	...	...	...	304	180	525	0.9	3,067	27
262	173	187	167	124	249	904	200	5,040	3.2	1,357	28

USE OF FERTILIZER AND LIME

Table 1.—USE OF FERTILIZER FOR SPECIFIED CROPS AND USE OF

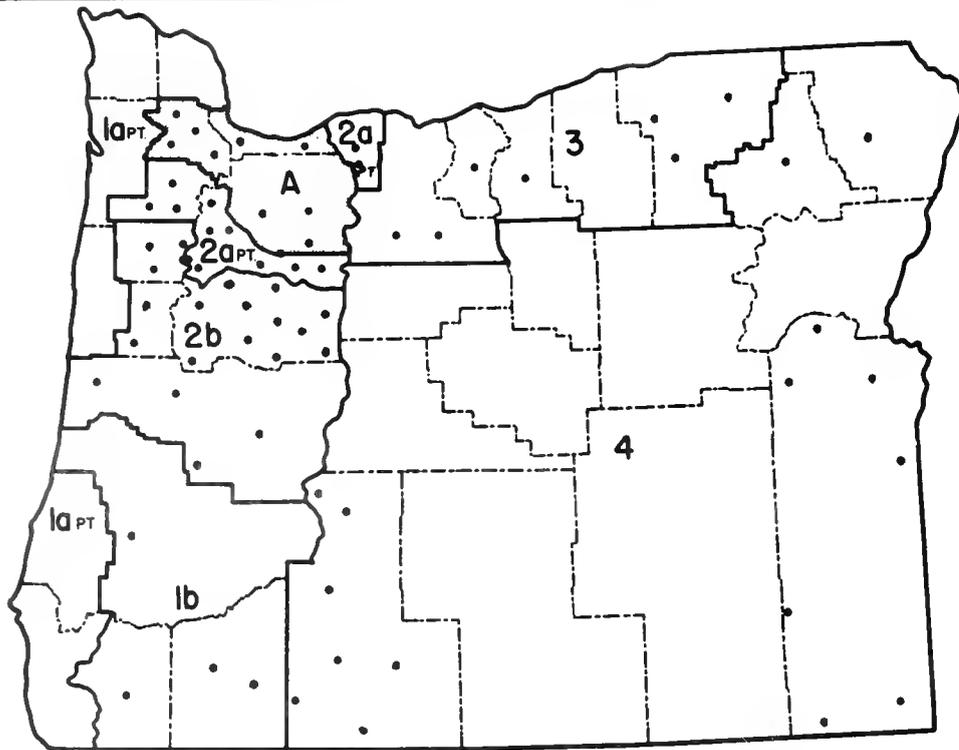
State, economic area, and county	Fertilizer								
	All crops and all pasture fertilized		Hay and cropland pasture fertilized		Other pasture fertilized		All crops fertilized except hay		
	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	
Oklahoma—Continued									
Area 4:									
1	Beckham	1,264	90	56	84	52	297	1,140	86
2	Caddo	4,634	107	311	120	88	103	4,195	107
3	Comanche	988	111	138	142	...	...	845	105
4	Cotton	848	77	79	103	...	...	765	75
5	Grady	3,502	146	572	181	134	199	2,800	140
6	Greer	227	100	36	180	...	...	190	92
7	Harmon	414	68	23	75	...	...	391	67
8	Jackson	522	98	16	77	...	...	500	97
9	Kiowa	362	99	64	95	5	100	293	101
10	Tillman	488	105	29	69	1	50	458	109
11	Washita	2,464	94	182	119	21	112	2,224	92
Area 5:									
12	Cleveland	1,163	165	478	201	65	185	604	140
13	Garvin	1,853	203	692	239	346	202	811	182
14	Lincoln	2,077	161	649	185	322	132	1,105	154
15	Logan	3,261	94	376	140	88	109	2,756	89
16	McClain	1,872	174	609	245	168	296	1,076	140
17	Pawnee	2,753	144	462	169	100	142	2,153	136
18	Payne	2,129	155	491	151	214	241	1,415	148
19	Pottawatomie	1,740	160	556	191	206	149	972	148
Metropolitan Area B:									
20	Oklahoma	2,146	138	775	148	145	236	1,188	122
Area 6:									
21	Coal	693	100	192	182	164	51	332	126
22	Creek	1,047	183	331	186	76	84	635	209
23	Hughes	2,063	169	368	164	256	210	1,438	164
24	Okfuskee	1,528	177	402	158	181	214	949	179
25	Pontotoc	1,178	215	531	227	218	157	427	241
26	Seminole	1,362	212	598	239	263	182	499	208
Area 7a:									
27	Carter	743	197	479	176	66	135	201	357
28	Jefferson	329	206	23	156	...	...	305	210
29	Johnston	484	185	227	220	69	230	189	149
30	Love	501	178	174	151	39	196	288	200
31	Murray	709	273	500	253	52	277	161	84
32	Stephens	1,800	154	589	270	106	112	1,099	127
Area 7b:									
33	Bryan	3,344	164	892	208	278	73	2,181	171
34	Choctaw	1,552	242	470	268	296	245	783	229
35	Marshall	998	112	516	190	348	81	134	70
Area 8a:									
36	Haskell	2,003	170	566	203	194	144	1,234	163
37	McIntosh	2,344	151	203	123	150	159	2,003	152
38	Muskogee	3,582	186	310	223	544	313	2,728	170
39	Okmulgee	1,696	178	232	191	99	104	1,364	187
40	Sequoyah	1,167	179	376	171	226	264	560	161
41	Wagoner	3,051	153	412	141	200	184	2,428	153
Area 8b:									
42	Adair	1,414	226	495	177	80	214	826	268
43	Cherokee	510	200	204	182	96	255	208	201
44	Delaware	3,080	184	787	211	71	203	2,207	175
Area 9:									
45	Atoka	676	158	198	156	86	150	385	159
46	Latimer	504	247	274	240	176	280	54	195
47	Le Flore	1,971	205	565	219	132	202	1,273	200
48	McCurtain	1,569	211	462	200	106	169	1,002	222
49	Pittsburg	2,803	189	779	206	439	211	1,554	174
50	Pushmataha	616	207	158	207	191	209	267	205

Z 0.05 percent or less.

LIME, BY ECONOMIC AREAS AND BY COUNTIES: CENSUS OF 1954—Continued

Fertilizer—Continued								Lime		
Specified crops fertilized		Specified crops fertilized		Fruits, vegetables, and potatoes fertilized		Other crops fertilized except hay		Acres limed	Percent of total cropland plus improved pasture	Quantity used per acre (pounds)
Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)			
<i>Orn</i>	<i>Orn</i>	<i>Cotton</i>	<i>Cotton</i>							
1	100	929	90	2	73	208	70	...	...	...
116	154	1,288	129	6	114	2,785	98	...	...	1
34	192	25	93	32	188	754	102	625	0.2	...
...	...	5	33	...	...	760	76	...	...	1,440
146	169	392	148	221	222	2,041	131	200	0.1	...
...	...	166	108	...	...	24	45	...	...	4
2	53	339	67	...	...	50	71	25	(2)	...
12	50	402	111	2	267	84	66	...	...	6
25	164	134	117	...	...	13	84	60	(2)	...
...	...	141	120	62	238	255	92	400	0.1	...
2	160	1,591	97	6	400	625	81	...	...	2,000
...
136	176	30	190	11	400	427	127	1,442	1.6	1,567
220	142	88	174	4	267	499	209	100	0.1	600
142	166	157	172	3	75	803	150	1,740	1.3	2,257
10	71	48	95	12	533	2,686	88	630	0.4	2,317
31	113	74	148	8	246	963	140	...	...	...
82	185	74	131	7	700	1,990	134	824	0.9	3,762
149	207	179	159	9	295	1,078	140	650	0.5	1,760
63	207	37	208	17	1,133	855	141	240	0.2	2,917
...
50	166	2	80	60	400	1,076	116	465	0.4	1,557
62	133	54	78	2	50	214	150	1,366	2.9	2,000
147	163	30	245	10	400	448	225	543	0.9	2,722
545	181	206	147	28	249	659	144	660	0.4	424
246	155	116	139	56	157	531	210	217	0.2	2,304
126	278	10	133	32	640	259	217	466	0.5	2,103
56	165	57	245	10	667	376	207	301	0.3	2,359
...
5	200	11	293	26	306	159	383	785	0.9	2,148
14	181	30	158	55	305	206	205	80	0.1	2,250
80	202	23	123	...	...	86	125	370	0.5	2,618
57	170	126	215	9	189	96	204	81	0.1	1,975
5	133	65	63	1	200	90	105	100	0.2	2,000
88	164	233	172	40	271	738	111	125	0.1	320
...
605	177	569	163	23	123	984	173	1,025	0.5	1,707
192	193	122	198	119	517	350	221	545	0.6	1,468
16	38	40	47	...	...	78	124	...	...	...
...
206	128	199	204	134	245	695	156	340	0.4	2,235
551	162	429	161	76	146	947	144	120	0.1	1,250
280	180	746	166	127	159	1,555	170	2,927	1.7	2,866
311	146	143	162	21	300	889	210	813	0.6	1,828
40	167	71	164	108	199	341	151	935	1.0	2,353
348	136	288	165	41	198	1,751	155	2,970	2.1	3,481
...
92	173	...	...	496	425	238	172	340	0.5	2,676
92	216	6	160	14	329	96	181	300	0.3	2,787
230	172	...	...	176	503	1,801	165	2,245	2.1	1,502
...
91	173	38	129	23	200	233	157	2,200	3.1	1,014
40	232	2	89	4	533	8	107	641	2.1	3,342
236	202	120	249	294	326	623	164	1,017	0.8	1,396
477	208	260	185	112	479	153	265	1,192	0.9	2,122
264	194	386	178	67	534	837	158	1,545	1.2	2,614
114	189	1	286	4	320	148	217	640	1.3	2,300

OREGON
TONS OF FERTILIZER



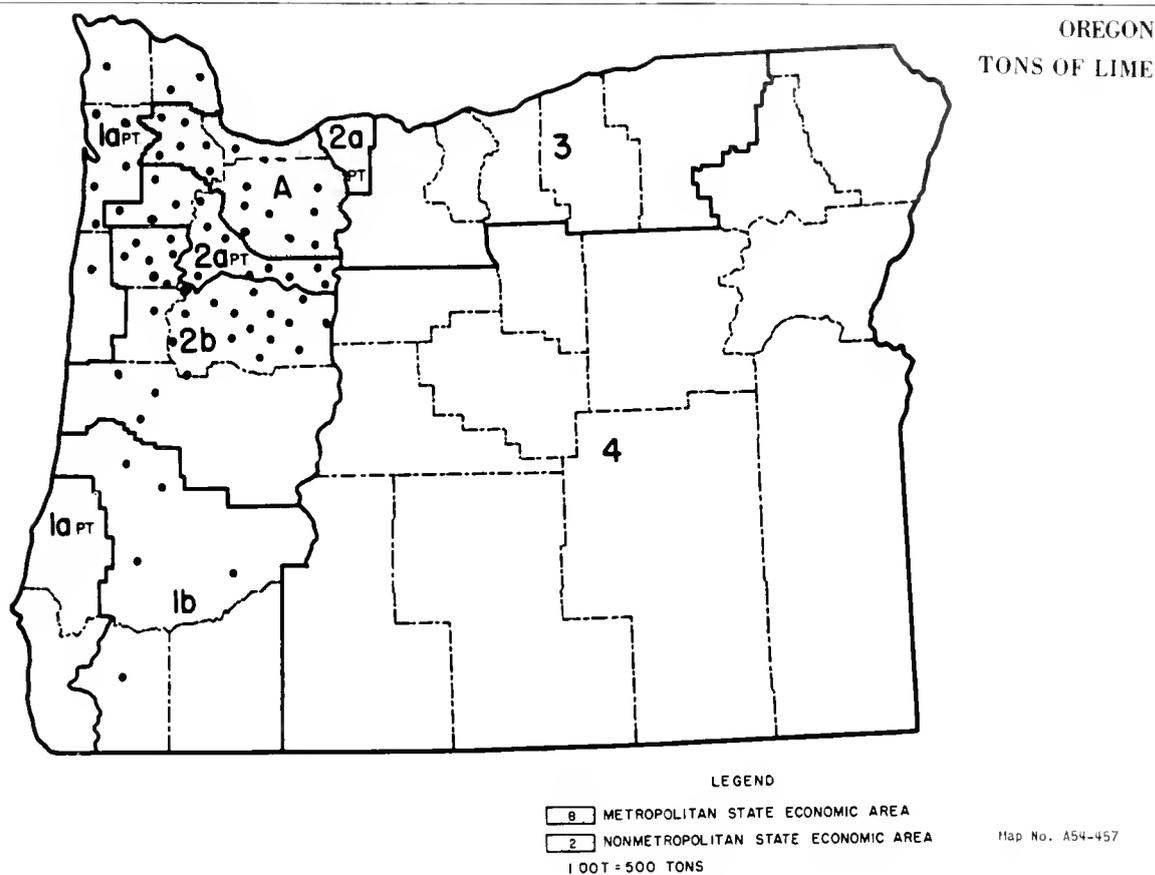
LEGENO

- 1 METROPOLITAN STATE ECONOMIC AREA
- 2 NONMETROPOLITAN STATE ECONOMIC AREA
- 1 DOT = 2,000 TONS

Map No. A54-456

Table 1.-USE OF FERTILIZER FOR SPECIFIED CROPS AND USE OF

State, economic area, and county	Fertilizer							
	All crops and all pasture fertilized		Hay and cropland pasture fertilized		Other pasture fertilized		All crops fertilized except hay	
	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)
1 Oregon, total	148,790	227	22,562	206	5,346	208	119,940	230
2 Area 1a:								
3 Clatsop	397	221	282	213	36	110	78	538
4 Columbia	915	278	301	229	152	262	446	320
5 Coos	539	385	453	426	36	244	50	263
6 Curry	284	716	52	229	1	154	231	1,444
7 Lincoln	282	212	217	179	33	443	32	753
8 Tillamook	960	305	670	333	284	251	...	...
9 Area 1b:								
10 Douglas	1,689	205	788	196	189	154	709	243
11 Jackson	4,026	247	1,225	167	494	210	2,280	346
12 Josephine	1,568	273	1,202	251	162	282	187	489
13 Area 2a:								
14 Hood River	3,314	461	185	271	43	200	3,077	489
15 Marion	15,112	280	1,263	186	606	251	13,174	295
16 Yamhill	5,554	203	726	179	307	228	4,424	201
17 Metropolitan Area A:								
18 Clackamas	6,764	267	1,607	239	262	325	4,849	273
19 Multnomah	3,446	548	158	322	50	189	3,234	580
20 Washington	7,484	285	906	218	258	265	6,203	297
21 Area 2b:								
22 Benton	3,891	184	774	241	109	133	2,969	174
23 Lane	7,450	223	1,361	190	581	225	5,503	226
24 Linn	21,316	275	1,446	182	398	189	19,177	279
25 Polk	5,469	196	543	195	233	184	4,686	199
26 Area 3:								
27 Gilliam	1,134	79	180	273	7	124	947	69
28 Morrow	782	77	143	155	16	176	634	69
29 Sherman	1,537	58	36	101	...	...	1,480	57
30 Umatilla	6,747	75	616	129	175	176	5,964	72
31 Wasco	3,166	135	379	186	47	167	2,728	129



LIME, BY ECONOMIC AREAS AND BY COUNTIES: CENSUS OF 1954—Continued

Fertilizer—Continued								Lime			
Specified crops fertilized		Specified crops fertilized		Fruits, vegetables, and potatoes fertilized		Other crops fertilized except hay		Acres limed	Percent of total cropland plus improved pasture	Quantity used per acre (pounds)	
Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)				
Wheat 17,722	Wheat 97	Oats 10,356	Oats 209	38,805	512	53,057	239	23,615	0.4	2,944	1
...	...	...	...	28	1,400	50	400	155	0.8	5,677	2
1	100	69	244	202	451	174	551	551	1.2	3,590	3
...	...	...	...	48	263	2	267	131	0.2	3,802	4
...	...	...	...	...	437	224	1,556	15	0.1	1,000	5
...	...	...	...	22	677	10	1,000	155	0.8	4,387	6
...	...	...	...	...	...	...	...	945	2.9	5,143	7
46	143	72	170	114	213	477	292	1,059	0.9	3,543	8
29	201	53	128	2,017	391	181	207	430	0.4	991	9
20	276	5	200	94	637	68	495	370	1.1	1,514	10
...	...	...	400	3,066	490	10	400	25	0.1	800	11
722	149	944	141	4,862	636	6,646	261	2,295	0.9	3,869	12
638	133	496	133	1,866	456	1,424	151	1,235	0.8	2,991	13
619	163	799	169	1,908	609	1,523	250	2,282	1.5	3,350	14
86	337	146	323	2,755	591	547	770	625	1.6	1,568	15
544	158	497	141	3,228	496	1,934	260	2,300	1.6	2,620	16
351	134	420	153	403	452	1,795	167	868	0.9	1,475	17
371	161	584	137	1,683	416	2,865	209	1,215	0.7	2,306	18
424	165	950	115	1,312	430	16,491	301	5,609	2.0	2,937	19
518	148	416	147	1,364	498	2,448	168	2,323	1.6	2,820	20
898	68	2	133	...	...	47	105	...	...	...	21
325	54	2	80	126	933	181	61	...	...	...	22
1,276	56	4	320	?	100	197	58	...	...	...	23
3,783	58	62	114	985	198	1,134	95	10	...	2,000	24
1,902	114	54	81	413	255	379	166	15	...	267	25

USE OF FERTILIZER AND LIME

Table I.—USE OF FERTILIZER FOR SPECIFIED CROPS AND USE OF

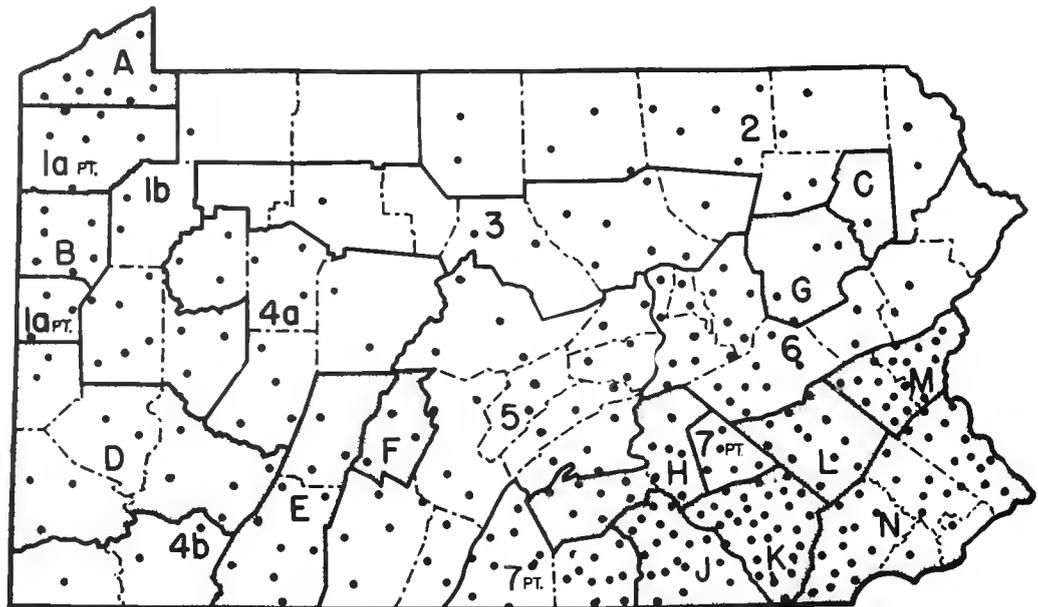
State, economic area, and county	Fertilizer							
	All crops and all pasture fertilized		Hay and cropland pasture fertilized		Other pasture fertilized		All crops fertilized except hay	
	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)
Oregon—Continued								
Area 4:								
1 Baker	834	176	346	225	23	180	466	151
2 Crook	2,132	317	593	206	106	143	1,423	462
3 Deschutes	3,392	300	2,066	268	207	273	1,112	393
4 Grant	365	171	331	178	10	104	19	105
5 Harney	362	237	358	236	...	...	4	308
6 Jefferson	4,871	244	649	210	119	177	4,113	252
7 Klamath	13,679	361	816	171	128	125	12,677	394
8 Lake	616	151	360	162	29	237	221	127
9 Malheur	14,891	498	616	234	211	182	14,027	545
10 Union	2,236	169	446	190	18	122	1,741	163
11 Wallowa	1,432	127	356	159	16	100	1,032	116
12 Wheeler	154	136	112	199	...	...	43	77

2 0.05 percent or less.

LIME, BY ECONOMIC AREAS AND BY COUNTIES: CENSUS OF 1954—Continued

Fertilizer—Continued								Lime		
Specified crops fertilized		Specified crops fertilized		Fruits, vegetables, and potatoes fertilized		Other crops fertilized except hay		Acres limed	Percent of total cropland plus improved pasture	Quantity used per acre (pounds)
Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)			
<i>Wheat</i>	<i>Wheat</i>	<i>Oats</i>	<i>Oats</i>							
178	130	35	192	31	352	222	153	12	...	167
213	282	24	181	946	750	240	258	...	...	...
168	277	144	247	664	730	136	187	525	0.8	903
6	111	4	119	...	...	9	98	...	...	...
2	200	...	...	...	...	2	667	...	...	...
1,548	199	92	263	1,117	566	1,356	217	...	...	...
389	140	4,009	601	3,621	524	4,658	295	185	0.1	2,486
79	84	26	159	32	337	84	153	80	(2)	1,500
1,112	368	276	328	6,241	709	6,398	489	200	0.1	2,000
767	141	102	207	7	156	865	184	...	...	...
673	112	67	165	...	...	292	119	...	...	...
34	74	1	400	...	...	8	86	...	...	...

PENNSYLVANIA
TONS OF FERTILIZER



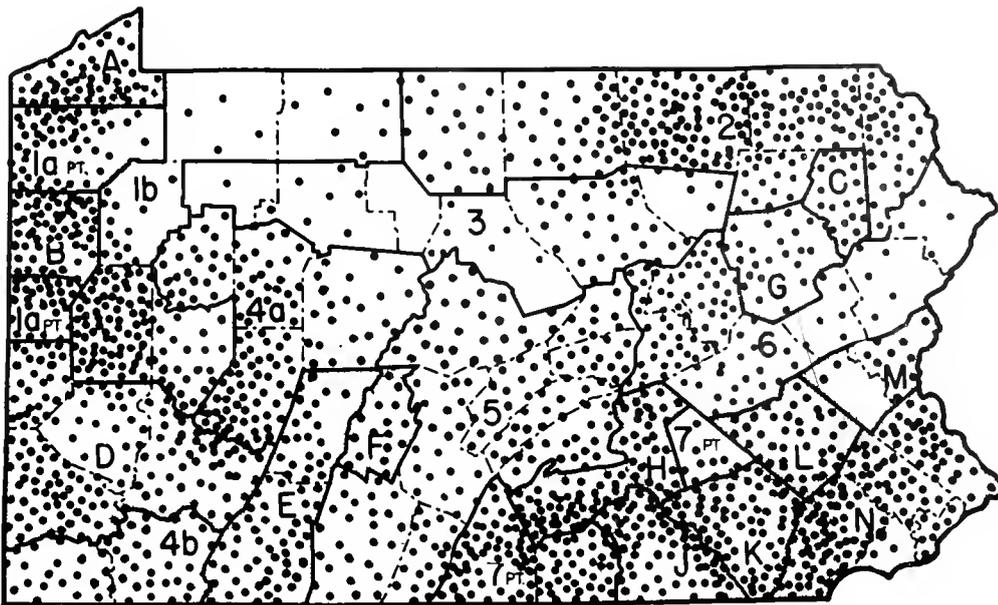
LEGEND

- B METROPOLITAN STATE ECONOMIC AREA
 - 2 NONMETROPOLITAN STATE ECONOMIC AREA
- 1 DOT = 2,000 TONS

Map No. A54-455

Table I.-USE OF FERTILIZER FOR SPECIFIED CROPS AND USE OF

State, economic area, and county	Fertilizer							
	All crops and all pasture fertilized		Hay and cropland pasture fertilized		Other pasture fertilized		All crops fertilized except hay	
	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)
1 Pennsylvania, total	609,005	381	68,715	353	20,524	353	515,769	383
2 Area 1a:								
3 Crawford	11,605	350	840	359	205	315	10,408	343
3 Lawrence	6,290	295	451	318	216	386	5,579	286
4 Metropolitan Area A:								
4 Erie	16,562	462	696	296	234	397	15,637	483
5 Metropolitan Area B:								
5 Mercer	11,112	334	636	347	370	386	9,948	325
6 Area 1b:								
6 Armstrong	6,053	283	510	351	218	379	5,212	267
7 Butler	11,271	347	1,164	334	346	338	9,730	345
8 McKean	906	370	256	375	22	440	624	360
9 Venango	3,110	334	282	333	118	360	2,678	327
10 Warren	2,466	358	410	454	130	468	1,930	332
11 Area 2:								
11 Bradford	10,790	323	1,450	360	350	500	8,900	307
12 Potter	4,796	523	182	310	198	428	4,398	546
13 Susquehanna	4,456	350	1,202	303	240	409	3,008	359
14 Tioga	5,739	323	555	364	202	327	4,947	317
15 Wayne	3,266	426	1,549	397	148	403	1,568	468
16 Wyoming	3,036	427	984	458	136	490	1,915	405
17 Area 3:								
17 Cameron	88	352	37	302	...	...	50	392
18 Clinton	3,114	375	462	338	218	413	2,388	378
19 Elk	1,136	482	157	413	21	365	950	500
20 Forest	312	420	32	533	11	733	267	405
21 Lycoming	11,449	345	1,352	314	342	416	9,617	343
22 Sullivan	1,042	354	161	306	66	528	808	350
23 Area 4a:								
23 Clarion	5,428	290	412	262	255	351	4,680	283
24 Clearfield	3,480	330	364	268	170	293	2,906	333
25 Indiana	8,900	301	926	324	469	293	7,456	300
26 Jefferson	5,156	333	802	289	92	379	4,177	332



LEGEND

- B METROPOLITAN STATE ECONOMIC AREA
- 2 NONMETROPOLITAN STATE ECONOMIC AREA
- 1 DOT = 500 TONS

Map No. A54-459

LIME, BY ECONOMIC AREAS AND BY COUNTIES: CENSUS OF 1954—Continued

Fertilizer—Continued								Lime			
Specified crops fertilized		Specified crops fertilized		Fruits, vegetables, and potatoes fertilized		Other crops fertilized except hay		Acres limed	Percent of total cropland plus improved pasture	Quantity used per acre (pounds)	
Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)				
<i>Corn</i> 201,889	<i>Corn</i> 355	<i>Wheat</i> 95,800	<i>Wheat</i> 333	89,014	907	129,066	328	649,069	8.7	2,702	1
4,532	340	1,580	329	1,120	1,284	3,176	280	16,675	8.8	3,092	2
2,540	302	1,442	279	202	298	1,395	266	8,940	10.8	3,160	3
3,434	368	1,819	345	7,696	750	2,688	357	16,130	9.1	3,394	4
4,579	326	1,980	312	202	569	3,187	321	17,600	10.9	3,269	5
2,086	277	1,230	266	64	366	1,832	256	7,595	6.2	3,072	6
3,876	354	2,138	341	648	589	3,068	311	24,485	16.0	1,024	7
198	168	26	281	89	1,047	311	306	2,545	7.1	2,982	8
996	336	475	273	292	948	915	288	4,411	7.1	2,919	9
688	342	208	328	156	560	878	304	4,991	8.5	2,861	10
4,196	309	643	320	98	370	3,963	301	30,348	12.6	2,490	11
595	395	195	342	2,054	1,062	1,554	383	7,629	10.1	2,727	12
1,766	346	68	453	46	449	1,128	373	16,145	11.5	2,937	13
1,725	316	316	339	266	1,013	2,640	295	13,436	8.3	2,525	14
994	436	10	333	101	842	463	502	10,447	10.8	3,224	15
1,017	348	122	392	317	961	459	393	5,771	9.6	2,890	16
28	386	4	400	4	800	14	350	70	2.7	2,714	17
945	366	466	273	454	1,526	533	302	4,015	10.5	1,758	18
176	466	125	476	206	1,230	443	405	3,185	15.3	2,220	19
104	447	33	426	22	800	108	335	415	5.2	3,494	20
4,587	373	1,842	329	387	557	2,801	296	10,834	8.2	2,756	21
278	348	36	306	122	1,038	372	292	2,350	9.6	2,076	22
1,641	281	1,224	307	45	486	1,770	267	6,701	7.1	3,493	23
1,148	352	598	311	152	715	1,048	303	9,091	10.9	2,399	24
3,160	325	1,638	296	258	742	2,400	259	20,910	12.9	2,588	25
1,517	361	902	320	220	696	1,538	294	10,240	11.1	2,390	26

Table 1.—USE OF FERTILIZER FOR SPECIFIED CROPS AND USE OF

State, economic area, and county	Fertilizer							
	All crops and all pasture fertilized		Hay and cropland pasture fertilized		Other pasture fertilized		All crops fertilized except hay	
	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)
Pennsylvania—Continued								
Metropolitan Area D:								
1 Allegheny	3,308	352	338	271	120	242	2,846	365
2 Beaver	3,169	346	452	336	96	400	2,577	343
3 Washington	5,845	314	1,076	258	328	340	4,353	321
4 Westmoreland	9,492	332	1,496	329	361	327	7,535	328
Area 4b:								
5 Fayette	4,528	346	814	364	298	489	3,413	325
6 Greene	1,448	348	353	337	64	400	1,028	346
7 Somerset	15,002	357	2,252	319	732	369	11,848	360
Metropolitan Area E:								
8 Cambria	5,578	423	574	662	107	293	4,863	414
Area 5:								
9 Bedford	9,470	288	1,620	296	263	269	7,504	283
10 Centre	8,921	300	952	311	217	340	7,676	296
11 Fulton	5,018	325	564	336	270	334	4,119	313
12 Huntingdon	5,282	285	472	310	142	377	4,592	278
13 Juniata	5,102	273	424	291	71	263	4,601	273
14 Mifflin	4,587	295	446	347	296	337	3,774	288
15 Perry	7,225	294	632	282	328	387	6,169	287
16 Snyder	6,098	281	472	277	125	216	5,462	278
17 Union	4,958	306	532	278	191	375	4,204	306
Metropolitan Area F:								
18 Blair	5,754	359	996	326	61	277	4,678	370
Area 6:								
19 Carbon	3,126	454	183	455	16	291	2,922	446
20 Columbia	11,511	360	1,033	389	143	364	10,210	356
21 Monroe	3,802	493	331	339	42	329	3,444	514
22 Montour	3,606	274	282	278	62	388	3,260	272
23 Northumberland	11,784	342	748	294	444	415	10,574	346
24 Pike	657	507	192	431	15	375	450	557
25 Schuylkill	14,472	544	1,278	303	158	297	12,980	594
Metropolitan Area C:								
26 Lackawanna	2,829	489	536	280	199	447	2,046	599
Metropolitan Area G:								
27 Luzerne	8,200	510	976	409	176	367	7,049	536
Area 7:								
28 Adams	19,992	380	1,616	340	560	273	17,756	387
29 Franklin	18,058	316	2,168	345	860	293	14,847	307
30 Lebanon	10,496	352	1,124	385	429	293	8,928	359
Metropolitan Area H:								
31 Cumberland	13,883	292	1,479	368	378	443	11,951	285
32 Dauphin	11,058	356	1,566	413	394	383	9,155	346
Metropolitan Area J:								
33 York	36,837	432	2,024	367	1,024	361	33,656	439
Metropolitan Area K:								
34 Lancaster	58,150	493	5,344	402	1,900	359	50,434	508
Metropolitan Area L:								
35 Berks	23,850	363	2,599	367	596	381	20,336	355
Metropolitan Area M:								
36 Lehigh	20,567	576	1,130	348	254	369	18,967	595
37 Northampton	15,354	458	3,474	472	270	478	11,483	448
Metropolitan Area N:								
38 Bucks	25,556	515	2,966	374	706	368	21,949	552
39 Cheater	28,104	449	5,728	382	2,563	330	19,696	481
40 Delaware	1,613	473	300	484	68	368	1,245	477
41 Montgomery	11,574	400	1,290	391	420	432	9,835	402
42 Philadelphia	1,578	1,020	11	79	...	...	1,573	1,120

LIME, BY ECONOMIC AREAS AND BY COUNTIES: CENSUS OF 1954—Continued

Fertilizer—Continued								Lime			
Specified crops fertilized		Specified crops fertilized		Fruits, vegetables, and potatoes fertilized		Other crops fertilized except hay		Acres limed	Percent of total cropland plus improved pasture	Quantity used per acre (pounds)	
Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)				
<i>Corn</i> 916	<i>Corn</i> 333	<i>Wheat</i> 492	<i>Wheat</i> 309	714	585	724	325	7,530	9.9	2,888	1
1,023	346	590	349	114	338	850	334	8,835	15.3	2,778	2
2,049	315	662	334	214	437	1,428	312	15,975	7.6	3,184	3
3,368	325	1,546	329	275	473	2,346	320	17,397	8.7	2,411	4
1,426	330	653	324	60	857	1,274	312	8,980	8.4	3,048	5
597	336	158	322	30	1,333	243	356	5,100	4.2	4,007	6
4,243	356	1,500	354	1,224	1,044	4,881	312	19,652	11.3	2,464	7
1,324	383	749	345	1,182	1,086	1,608	320	8,945	11.5	2,459	8
3,052	288	1,347	291	552	358	2,553	263	8,655	5.2	2,953	9
2,964	291	1,998	305	472	833	2,242	259	8,984	6.9	3,138	10
1,268	282	1,287	311	330	727	1,234	303	6,869	9.5	2,909	11
1,978	270	1,104	299	168	715	1,342	254	6,854	6.6	3,022	12
1,880	267	1,104	276	230	538	1,387	258	5,011	7.0	2,852	13
1,608	291	918	282	194	464	1,054	270	4,639	7.1	2,840	14
2,510	271	1,648	330	79	405	1,932	274	4,715	4.7	3,099	15
1,983	259	1,514	291	443	535	1,522	257	4,925	6.3	2,512	16
1,741	292	1,011	287	416	737	1,036	281	3,045	4.6	2,870	17
2,084	405	844	337	420	654	1,330	306	5,300	6.6	3,066	18
951	424	612	372	656	1,286	703	327	2,156	7.9	2,583	19
3,898	368	2,716	339	1,070	759	2,526	290	9,570	8.4	2,576	20
880	427	512	388	1,114	1,593	938	358	2,542	7.0	2,097	21
1,220	287	973	284	78	416	989	241	2,580	5.6	3,027	22
3,936	340	2,342	308	1,872	783	2,424	269	9,785	8.2	2,343	23
174	383	34	493	182	1,324	60	407	1,173	11.2	3,009	24
3,196	450	2,006	424	5,412	1,437	2,366	375	8,525	8.6	2,355	25
820	463	40	593	778	910	408	563	8,050	15.5	2,258	26
1,914	424	914	379	2,959	973	1,262	397	11,370	13.5	1,946	27
7,636	361	3,312	347	4,638	539	2,170	333	14,270	8.2	2,762	28
5,568	287	4,380	307	2,123	361	2,776	313	16,055	7.8	3,283	29
4,084	323	1,518	294	1,476	952	1,850	336	5,585	5.3	1,654	30
5,328	272	3,135	280	604	494	2,884	293	11,870	6.8	3,422	31
4,119	352	1,834	346	648	816	2,554	296	9,840	9.3	2,776	32
13,176	360	8,034	383	7,841	1,192	4,605	369	19,213	6.7	2,563	33
18,568	414	9,044	348	9,248	1,174	13,574	658	28,785	7.4	2,244	34
9,594	349	4,546	331	1,950	746	4,246	316	17,755	6.7	2,115	35
5,102	480	2,433	385	9,002	1,153	2,430	341	1,575	1.4	1,213	36
5,612	430	1,340	342	2,125	1,160	2,406	353	3,490	2.9	2,630	37
7,838	456	3,282	383	7,746	1,577	3,083	339	14,937	8.8	2,123	38
9,427	480	2,694	438	2,766	1,017	4,809	386	27,100	12.9	2,328	39
504	511	140	418	144	339	457	529	1,535	7.4	2,169	40
5,512	434	1,701	350	784	771	1,838	311	13,843	12.1	2,072	41
12	185	63	355	1,460	1,371	38	390	1,095	27.3	6,393	42

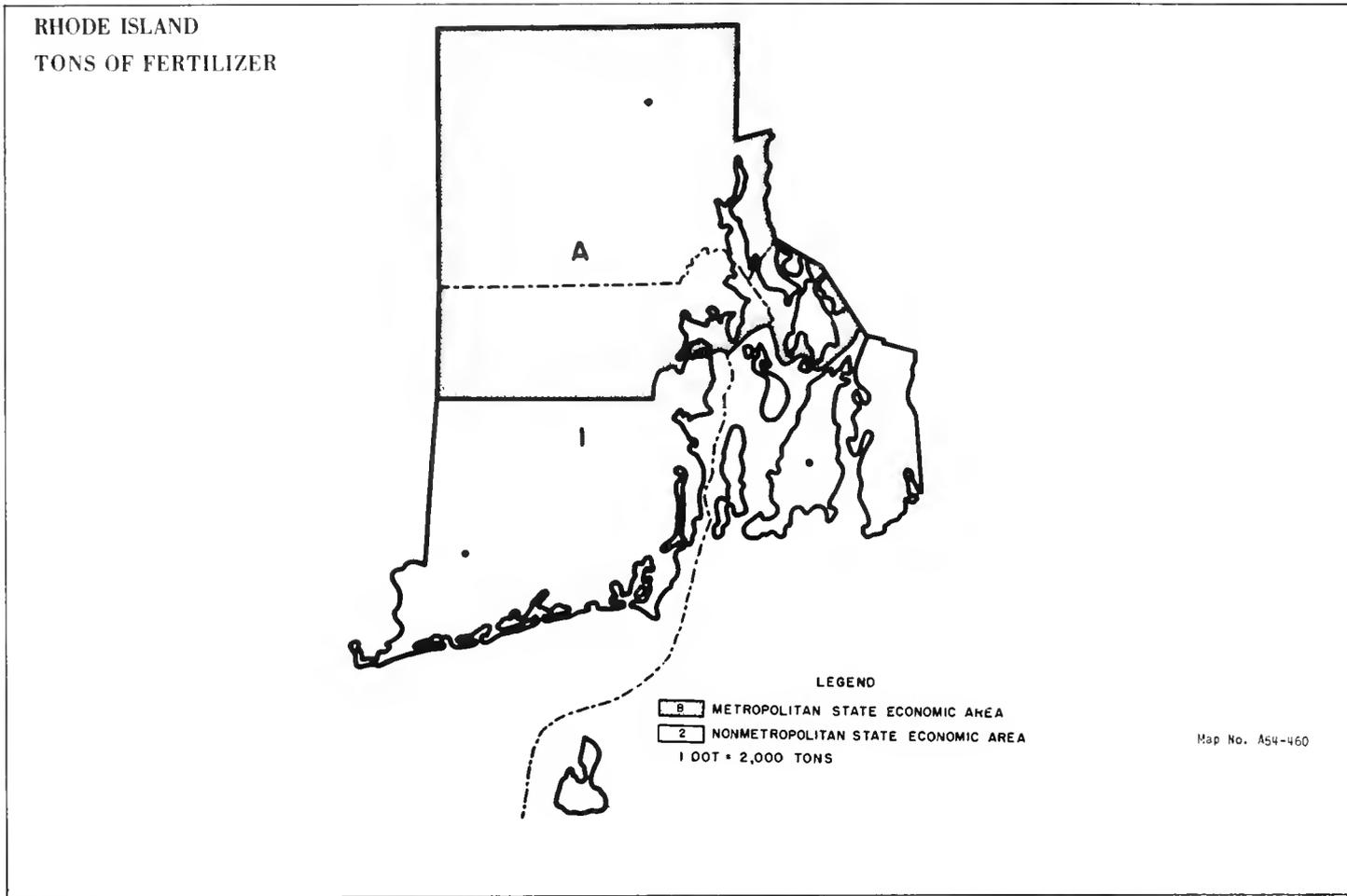
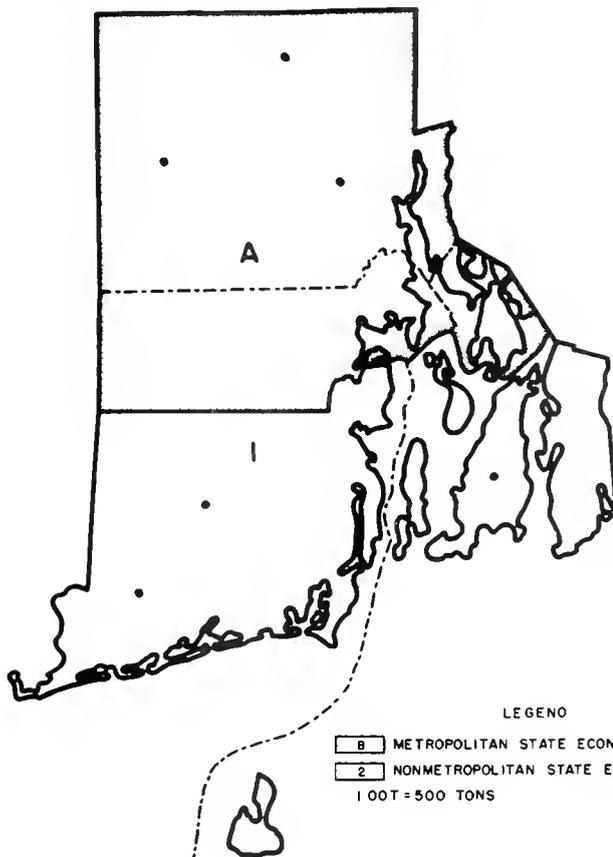


Table 1.-USE OF FERTILIZER FOR SPECIFIED CROPS AND USE OF

State, economic area, and county	Fertilizer							
	All crops and all pasture fertilized		Hay and cropland pasture fertilized		Other pasture fertilized		All crops fertilized except hay	
	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)
1 Rhode Island, total.....	5,788	731	1,884	501	163	292	3,710	1,016
2 Area 1:								
3 Newport	2,058	718	736	531	80	248	1,212	1,002
3 Washington	1,242	689	418	405	38	338	786	1,195
4 Metropolitan Area A:								
5 Bristol	208	763	...	...	...	...	208	763
5 Kent	334	576	136	716	6	480	191	506
6 Providence	1,946	813	594	515	39	355	1,313	1,159

RHODE ISLAND
TONS OF LIME

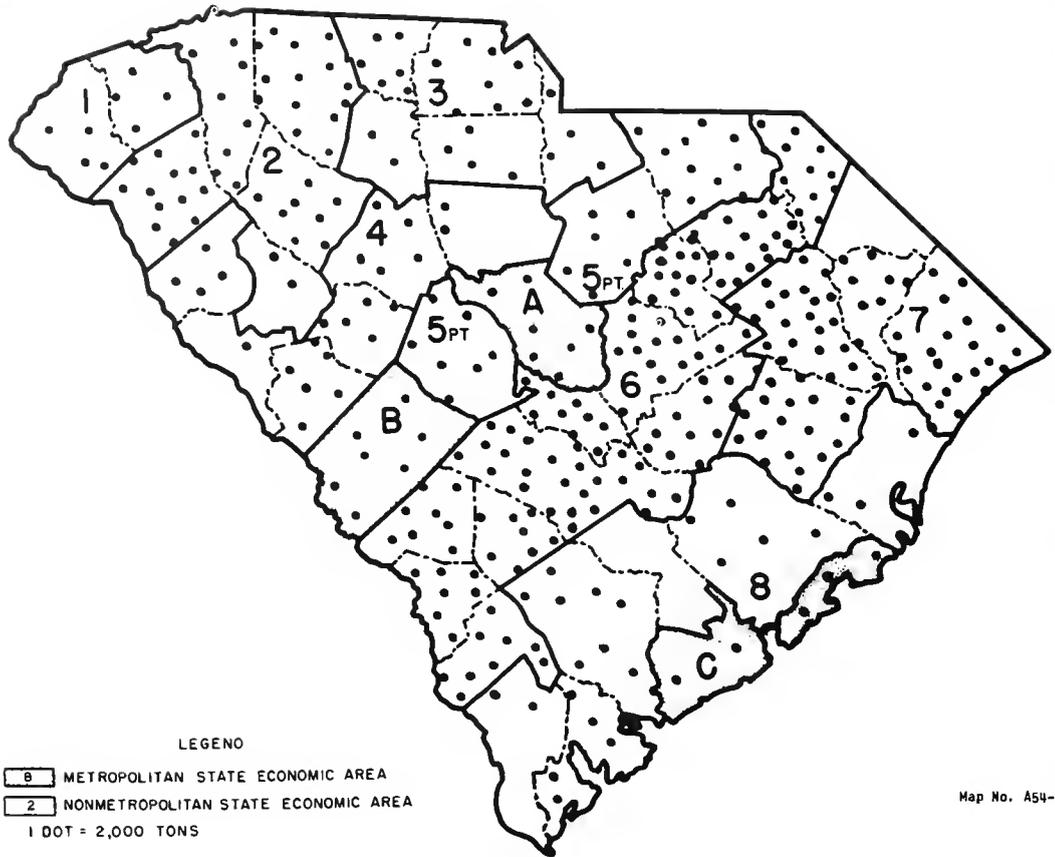


Map No. A54-461

LIME, BY ECONOMIC AREAS AND BY COUNTIES: CENSUS OF 1954—Continued

Fertilizer—Continued								Lime		
Specified crops fertilized		Specified crops fertilized		Fruits, vegetables, and potatoes fertilized		Other crops fertilized except hay		Acres limed	Percent of total cropland plus improved pasture	Quantity used per acre (pounds)
Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)			
<i>Corn</i> 1,268	<i>Corn</i> 611	<i>Tobacco</i> ...	<i>Tobacco</i> ...	1,645	1,253	797	3,036	3,222	4.7	2,052
482	614	...	...	710	1,711	20	2,000	720	3.7	2,069
158	521	...	...	568	2,367	60	522	1,092	6.5	1,916
120	600	...	...	78	1,156	10	2,000	...	...	...
80	604	...	...	89	414	22	733	40	0.5	4,000
428	653	...	...	200	533	685	6,683	1,370	6.5	2,095

SOUTH CAROLINA
TONS OF FERTILIZER



LEGEND

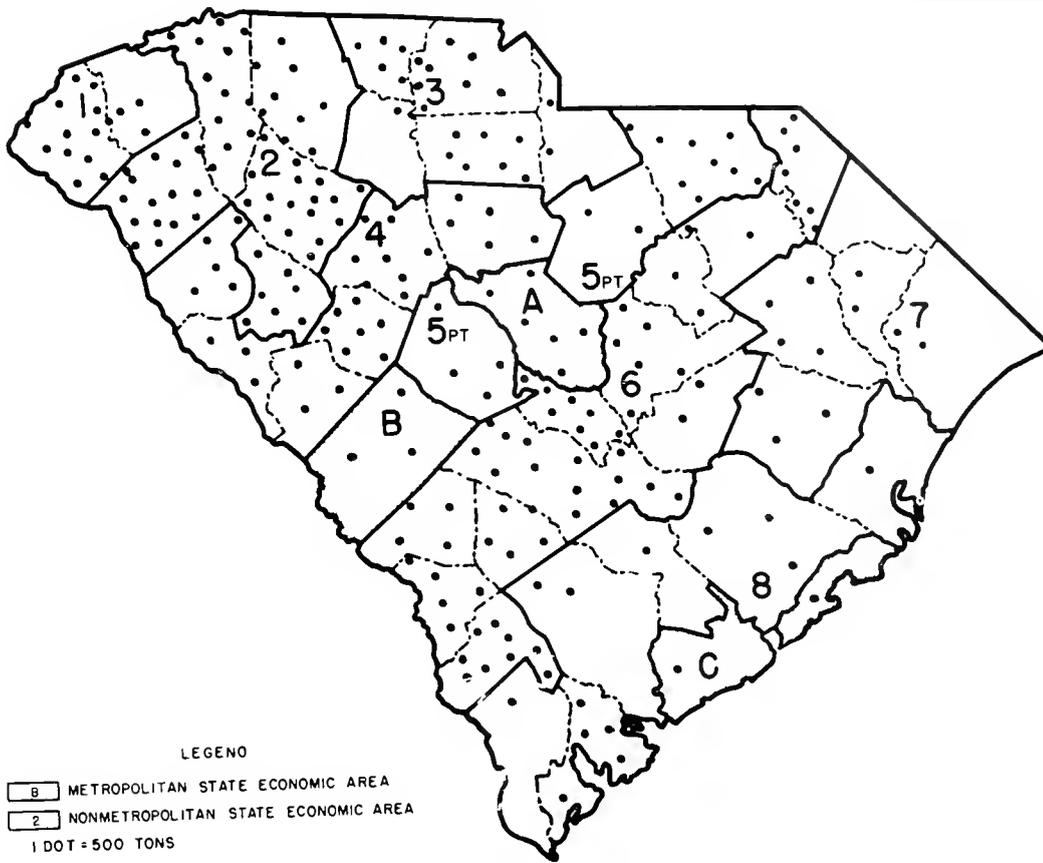
- A METROPOLITAN STATE ECONOMIC AREA
- 2 NONMETROPOLITAN STATE ECONOMIC AREA
- 1 DOT = 2,000 TONS

Map No. A54-462

Table 1.—USE OF FERTILIZER FOR SPECIFIED CROPS AND USE OF

State, economic area, and county	Fertilizer							
	All crops and all pasture fertilized		Hay and cropland pasture fertilized		Other pasture fertilized		All crops fertilized except hay	
	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)
1 South Carolina, total	777,105	477	80,158	350	19,687	324	675,294	507
Area 1:								
2 Oconee	8,888	372	683	275	527	257	7,677	397
3 Pickens	8,421	419	554	254	763	340	7,061	452
Area 2:								
4 Anderson	26,400	388	2,746	336	1,194	233	22,515	414
5 Greenville	16,348	432	2,920	386	760	372	12,572	447
6 Greenwood	4,780	307	1,492	290	254	159	2,976	339
7 Laurens	16,948	431	3,789	420	922	329	12,136	436
8 Spartanburg	27,782	419	4,734	321	1,420	299	21,478	461
Area 3:								
9 Cherokee	11,131	422	2,024	369	672	327	8,223	442
10 Chester	8,024	399	1,894	385	459	273	5,631	418
11 Lancaster	8,444	456	1,338	326	598	389	6,443	508
12 Union	4,645	355	1,212	318	144	249	3,279	382
13 York	15,581	394	3,046	322	1,414	290	11,433	445
Area 4:								
14 Abbeville	7,983	384	1,292	297	580	299	6,054	421
15 Edgefield	11,057	439	948	351	758	401	9,303	451
16 Fairfield	4,400	346	1,102	296	456	321	2,868	386
17 McCormick	2,092	383	193	269	90	209	1,788	406
18 Newberry	10,471	352	1,617	293	513	257	8,396	382
19 Saluda	9,871	387	1,700	341	487	406	7,590	401
Area 5:								
20 Chesterfield	23,815	486	1,027	343	157	162	22,497	500
21 Kershaw	12,973	454	709	275	157	174	12,096	488
22 Lexington	13,846	408	1,374	328	162	472	12,324	426
Metropolitan Area A:								
23 Richland	13,534	401	2,061	319	672	291	10,782	432
Metropolitan Area B:								
24 Aiken	17,069	398	1,851	341	306	313	14,971	415

SOUTH CAROLINA
TONS OF LIME



LIME, BY ECONOMIC AREAS AND BY COUNTIES: CENSUS OF 1954—Continued

Fertilizer—Continued								Lime			
Specified crops fertilized		Specified crops fertilized		Fruits, vegetables, and potatoes fertilized		Other crops fertilized except hay		Acres limed	Percent of total cropland plus improved pasture	Quantity used per acre (pounds)	
Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)				
Corn 203,410	Corn 398	Cotton 234,518	Cotton 597	53,810	825	183,556	504	143,070	2.9	1,740	1
2,632	362	2,299	585	616	785	2,130	290	6,619	7.8	1,776	2
3,116	423	1,934	590	444	689	1,567	362	2,023	2.8	2,035	3
4,910	418	8,876	611	667	562	8,064	300	4,720	4.2	1,660	4
3,726	376	4,890	590	1,160	753	2,796	334	8,122	6.2	1,499	5
927	299	847	467	82	474	1,120	304	7,194	9.6	1,006	6
2,793	417	5,438	554	232	556	3,673	337	9,180	6.3	1,883	7
5,316	404	6,402	556	5,734	595	4,026	327	4,682	2.3	1,951	8
2,016	375	3,786	576	472	520	1,949	338	2,345	2.6	2,097	9
1,431	341	3,114	605	149	854	937	237	3,950	4.4	1,757	10
1,787	396	3,479	678	281	706	896	342	885	1.2	1,869	11
1,096	348	1,447	471	88	562	648	294	390	0.6	1,744	12
2,941	384	5,678	607	433	417	2,381	307	4,418	3.2	1,802	13
1,320	317	2,766	639	138	607	1,830	326	2,540	2.8	1,958	14
2,548	359	3,238	642	1,127	924	2,390	330	2,215	2.9	1,467	15
895	293	1,403	632	31	873	639	249	2,529	4.0	1,837	16
566	307	1,540	518	28	577	154	310	1,370	4.5	1,956	17
2,843	375	2,185	573	80	432	3,288	317	4,305	4.7	1,816	18
2,949	402	2,034	542	704	846	1,905	271	4,420	5.2	1,652	19
5,167	399	11,436	640	2,167	635	3,727	347	5,254	3.5	1,733	20
2,902	357	6,423	648	972	688	1,799	338	1,118	1.0	1,923	21
5,330	375	3,345	525	1,862	803	1,787	296	1,915	1.8	1,979	22
2,511	352	2,611	617	272	585	5,388	411	2,640	2.7	2,442	23
5,656	316	7,178	648	366	486	1,771	279	1,317	0.8	2,126	24

USE OF FERTILIZER AND LIME

Table 1.—USE OF FERTILIZER FOR SPECIFIED CROPS AND USE OF

State, economic area, and county	Fertilizer							
	All crops and all pasture fertilized		Hay and cropland pasture fertilized		Other pasture fertilized		All crops fertilized except hay	
	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)
South Carolina—Continued								
Area 6:								
1 Allendale	13,213	410	585	494	70	252	12,598	411
2 Bamberg	15,686	436	820	250	243	460	14,659	457
3 Barnwell	15,580	473	1,247	359	329	300	14,069	495
4 Calhoun	17,172	463	1,310	394	256	563	15,606	473
5 Clarendon	24,762	497	1,709	332	122	536	22,921	519
6 Darlington	30,620	506	1,943	294	246	288	28,292	536
7 Hampton	18,836	447	1,434	363	254	318	17,237	461
8 Lee	23,605	519	910	352	346	416	22,248	524
9 Marlboro	22,798	454	2,118	308	103	410	20,868	485
10 Orangeburg	49,226	458	4,935	337	855	395	43,030	474
11 Sumter	29,758	472	2,781	330	73	328	26,556	490
Area 7:								
12 Dillon	22,140	603	1,514	346	314	487	20,278	641
13 Florence	43,556	610	2,333	359	580	477	40,841	645
14 Horry	43,586	786	2,020	384	258	625	41,050	827
15 Marion	15,823	605	1,184	272	104	298	14,534	681
16 Williamsburg	35,434	564	2,633	365	253	354	32,174	592
Area 8:								
17 Beaufort	10,320	1,023	708	381	684	518	8,923	1,300
18 Berkeley	10,037	493	1,520	431	69	286	8,391	517
19 Colleton	16,782	483	2,497	554	491	416	13,706	473
20 Dorchester	12,935	526	1,100	367	137	559	11,700	557
21 Georgetown	5,540	550	496	401	282	548	4,719	575
22 Jasper	4,495	432	812	349	134	403	3,488	453
Metropolitan Area C:								
23 Charleston	10,698	848	3,243	677	19	271	7,313	938

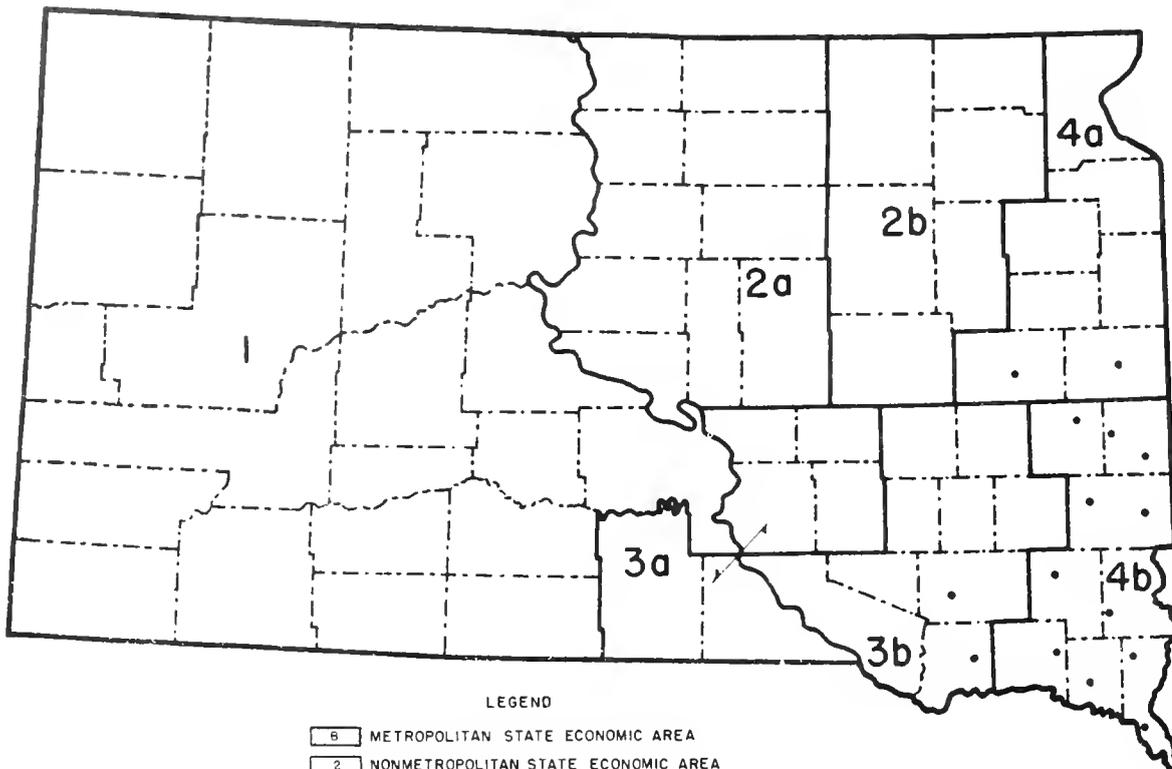
USE OF FERTILIZER AND LIME

LIME, BY ECONOMIC AREAS AND BY COUNTIES: CENSUS OF 1954—Continued

Fertilizer—Continued								Lime		
Specified crops fertilized		Specified crops fertilized		Fruits, vegetables, and potatoes fertilized		Other crops fertilized except hay		Acres limed	Percent of total cropland plus improved pasture	Quantity used per acre (pounds)
Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)			
<i>Corn</i>	<i>Corn</i>	<i>Cotton</i>	<i>Cotton</i>							
3,292	367	3,427	618	1,661	623	4,218	313	2,628	2.8	1,742
5,848	382	4,845	634	1,703	565	2,263	368	2,050	2.1	1,737
4,718	356	4,682	612	3,710	704	959	422	2,640	2.4	1,413
3,134	354	4,798	597		222	7,452	469	3,685	3.6	2,089
7,348	356	9,552	584	356	838	5,665	836	1,087	0.8	1,899
6,128	389	10,032	602	611	759	11,521	588	1,339	0.9	1,624
6,112	413	3,242	672	2,361	893	5,522	366	3,205	3.1	2,702
4,019	387	13,334	640	280	736	4,615	425	1,880	1.5	1,239
3,607	401	12,930	557	421	651	3,910	385	3,831	2.9	1,841
13,934	374	18,760	615	3,458	784	6,878	372	8,310	3.0	1,836
6,242	370	13,022	586	813	769	6,479	462	4,837	3.0	1,332
5,136	427	7,090	582	228	996	7,824	1,087	1,935	2.1	1,532
12,779	433	10,283	590	1,167	928	16,612	1,101	2,909	1.6	1,361
13,354	521	2,822	515	2,910	1,070	21,964	1,391	1,875	1.3	1,319
4,244	432	3,447	584	375	1,242	6,468	1,217	960	1.3	1,812
11,552	416	9,839	556	567	1,053	10,216	1,218	2,167	1.4	1,555
941	461	212	453	7,414	1,975	356	593	2,826	6.4	1,793
4,667	455	2,620	574	216	609	888	843	1,674	2.9	1,969
8,161	412	3,201	629	952	808	1,392	486	1,361	1.2	1,797
7,064	511	2,700	597	748	758	1,188	708	630	1.1	1,898
1,992	409	743	545	250	1,116	1,734	996	435	1.3	2,189
2,186	414	708	591	342	615	252	374	435	1.2	2,207
1,574	531	380	587	4,944	1,390	415	659	1,290	2.4	1,682

SOUTH DAKOTA

TONS OF FERTILIZER



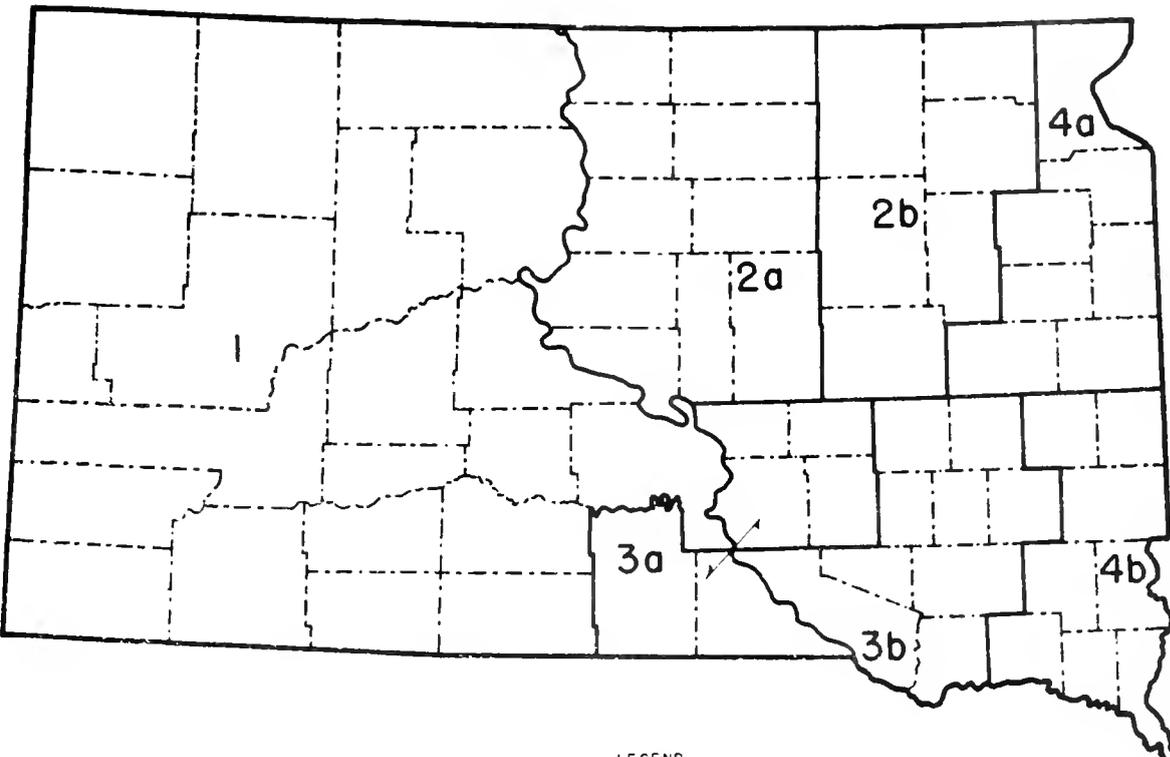
Map No. A54-464

Table 1.—USE OF FERTILIZER FOR SPECIFIED CROPS AND USE OF

State, economic area, and county	Fertilizer							
	All crops and all pasture fertilized		Hay and cropland pasture fertilized		Other pasture fertilized		All crops fertilized except hay	
	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)
1 South Dakota, total	38,756	140	6,447	151	678	146	31,479	136
2 Area 1:								
3 Bennett	34	95	...	...	1	133	33	92
4 Butte	798	226	69	169	2	100	727	234
5 Corson	6	261	...	...	...	...	6	261
6 Custer	16	106	13	104	...	...	3	115
7 Dewey ¹	34	68	...	...	...	...	34	68
8 Fall River	367	239	92	226	...	...	275	242
9 Haakon	4	82	...	...	...	...	4	82
10 Harding	8	98	2	89	...	...	6	102
11 Jackson	3	88	...	...	...	...	3	88
12 Jones	16	122	5	111	...	...	11	127
13 Lawrence	63	155	18	189	...	...	45	145
14 Lyman	47	125	...	...	...	...	47	125
15 Meade	56	137	8	114	...	...	48	142
16 Mellette	7	33	...	...	...	...	7	33
17 Pennington	62	259	29	227	...	...	33	299
18 Perkins	4	154	2	200	...	...	2	125
19 Shannon	18	87	5	116	...	...	12	74
20 Stanley	2	50	...	...	...	...	2	59
21 Todd	9	52	1	87	...	...	9	59
22 Washabaugh	2	160	...	...	...	...	2	160
23 Ziebach	24	107	...	...	...	...	24	107
24 Area 2a:								
25 Campbell	2	98	1	80	...	...	1	125
26 Edmunds	16	98	4	145	...	...	12	88
27 Faulk	25	58	...	...	...	...	24	56
28 Hand	29	72	9	116	...	...	289	72
29 Hughes	10	1,000	...	...	...	...	10	4,000
30 Hyde	26	68	...	...	...	...	26	68
31 McPherson	52	141	...	...	...	...	52	141
32 Potter	67	64	2	65	1	100	63	63
33 Sully	83	91	6	136	1	111	74	86
34 Walworth	8	89	...	...	...	...	8	89
35 Area 2b:								
36 Beadle	372	114	12	78	10	90	334	120
37 Brown	560	109	12	104	3	100	540	107
38 Clark	654	148	162	192	20	186	472	135
39 Fay	636	112	60	133	5	100	566	109
40 Marshall	671	96	86	103	5	125	566	95
41 Spink	296	106	39	125	16	149	240	101

¹ 100 percent or less. ² Amounting to 1/2 ton was also listed with Dewey County in March 1954.

SOUTH DAKOTA
TONS OF LIME



LEGEND
 8 METROPOLITAN STATE ECONOMIC AREA
 2 NONMETROPOLITAN STATE ECONOMIC AREA
 1000 = 500 TONS

Map No. A54-465

LIME, BY ECONOMIC AREAS AND BY COUNTIES: CENSUS OF 1954—Continued

Fertilizer—Continued								Lime			
Specified crops fertilized		Specified crops fertilized		Fruits, vegetables, and potatoes fertilized		Other crops fertilized except hay		Acres limed	Percent of total cropland plus improved pasture	Quantity used per acre (pounds)	
Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)				
Corn 18,078	139	Wheat 1,558	97	543	205	11,300	138	991	(C)	1,251	1
10	172	22	75	...	...	1	133	...	...	...	2
49	179	2	78	2	100	674	243	...	...	...	3
1	167	...	...	...	...	5	400	...	...	...	4
...	...	...	...	...	...	3	120	...	...	...	5
1	50	24	75	...	...	4	41	5	(C)	4,000	6
80	234	12	113	4	320	179	269	...	...	...	7
...	...	1	42	...	...	3	120	...	...	...	8
...	...	2	105	...	...	4	100	...	...	...	9
...	...	2	70	...	...	1	182	...	...	...	10
5	167	2	143	...	...	4	94	...	...	...	11
26	149	9	126	2	182	8	157	...	...	...	12
5	182	27	111	...	...	15	142	...	...	...	13
...	...	32	98	...	...	26	229	...	...	...	14
2	114	3	20	...	...	2	42	...	...	...	15
12	453	...	...	5	2,000	16	200	...	(C)	1,000	16
...	...	1	100	...	...	1	167	...	...	...	17
1	25	6	74	1	500	4	100	...	...	...	18
...	...	2	50	...	...	6	75	...	...	...	19
3	35	...	...	...	...	...	...	...	...	...	20
2	800	...	...	...	...	...	...	...	...	...	21
2	50	20	138	...	...	2	50	...	...	...	22
...	...	...	...	...	...	1	182	...	...	...	23
9	80	2	125	...	...	1	133	1	(C)	2,000	24
10	78	8	44	...	...	6	49	...	...	...	25
141	71	72	77	...	...	76	69	1	(C)	2,000	26
...	...	...	...	...	...	10	4,000	...	...	...	27
1	200	5	67	...	...	20	67	...	...	...	28
13	108	31	176	...	...	8	109	...	...	...	29
18	78	32	52	...	...	13	83	...	...	...	30
28	91	36	92	...	...	10	64	...	...	...	31
7	88	1	100	...	...	...	...	...	...	...	32
93	117	43	97	1	400	197	127	...	...	...	33
357	107	90	96	119	274	93	124	45	(C)	2,000	34
237	126	36	105	...	...	80	97	...	...	...	35
196	121	58	69	...	...	312	115	...	...	...	36
253	87	91	74	...	...	236	117	...	...	...	37
105	110	95	100	...	...	40	84	160	(C)	750	38

Table 1.—USE OF FERTILIZER FOR SPECIFIED CROPS AND USE OF

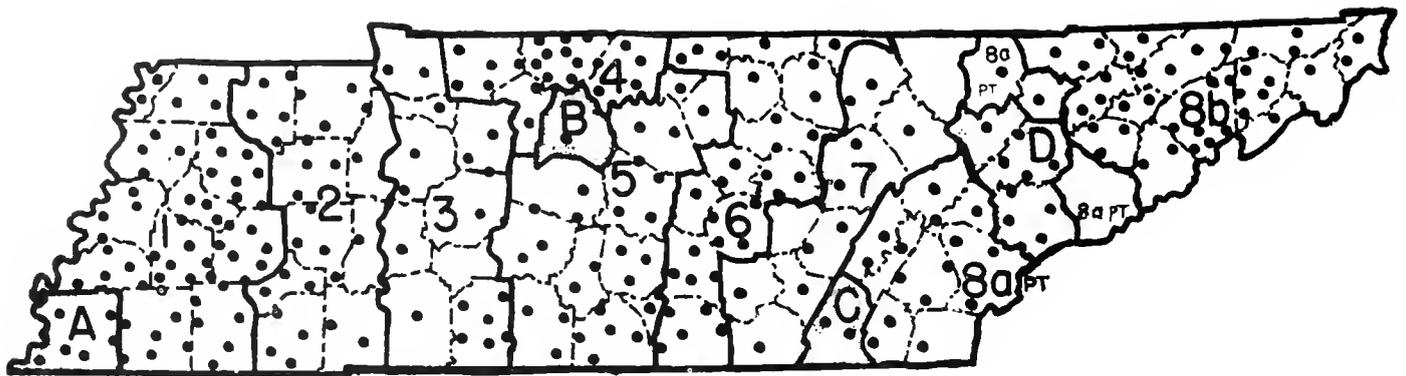
State, economic area, and county	Fertilizer								
	All crops and all pasture fertilized		Hay and cropland pasture fertilized		Other pasture fertilized		All crops fertilized except hay		
	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	
South Dakota--Continued									
Area 3a:									
1	Aurora	102	74	10	93	...	...	92	72
2	Brule	54	128	...	...	2	200	52	126
3	Buffalo	11	95	...	...	...	...	11	95
4	Gregory	164	98	20	92	3	109	142	99
5	Jerauld	256	93	39	95	...	...	217	92
6	Tripp	254	74	13	91	...	...	241	73
Area 3b:									
7	Bon Homme	1,104	140	142	141	30	150	934	140
8	Charles Mix	590	96	42	113	5	100	540	92
9	Davison	266	158	25	167	...	...	241	157
10	Douglas	125	95	13	160	1	100	111	90
11	Hanson	707	171	114	164	42	171	551	172
12	Hutchinson	1,262	140	174	118	10	67	1,074	146
13	McCook	566	141	92	185	36	182	438	132
14	Miner	389	117	32	142	...	...	357	114
15	Sanborn	243	120	46	135	...	...	197	117
Area 4a:									
16	Brookings	2,067	124	712	150	16	173	1,339	113
17	Codington	646	135	192	142	...	...	452	130
18	Deuel	965	152	326	190	24	145	616	138
19	Grant	520	157	78	161	37	166	405	155
20	Hamlin	932	152	336	154	10	267	587	145
21	Kingsbury	1,084	153	296	158	22	147	766	151
22	Roberts	1,225	115	310	183	8	200	900	99
Area 4b:									
23	Clay	2,002	147	162	137	44	132	1,771	146
24	Lake	1,076	150	226	138	8	128	842	154
25	Lincoln	2,499	148	267	169	44	114	2,171	145
26	Minnehaha	3,764	156	678	168	104	200	2,982	152
27	Moody	3,112	148	466	151	25	145	2,621	148
28	Turner	2,126	155	361	143	48	116	1,717	159
29	Union	3,632	185	336	163	65	157	3,158	182
30	Yankton	1,658	137	287	127	30	113	1,330	138

Z 0.05 percent or less.

LIME, BY ECONOMIC AREAS AND BY COUNTIES: CENSUS OF 1954—Continued

Fertilizer—Continued								Lime			
Specified crops fertilized		Specified crops fertilized		Fruits, vegetables, and potatoes fertilized		Other crops fertilized except hay		Acres limed	Percent of total cropland plus improved pasture	Quantity used per acre (pounds)	
Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)				
<i>Corn</i>	<i>Corn</i>	<i>Wheat</i>	<i>Wheat</i>	...	...	42	8.	30	(Z)	1,667	1
30	87	20	46	...	...	9	109	...	...	...	2
30	152	13	99	...	...	6	86	...	...	...	3
1	65	4	133	...	...	...	...	...	...	...	...
67	86	16	125	...	...	59	112	...	...	...	4
96	93	20	102	...	...	101	90	...	...	...	5
114	60	75	87	...	...	52	96	...	...	...	6
626	151	16	194	...	...	292	120	155	0.1	2,387	7
186	94	63	103	12	112	279	89	120	(Z)	500	8
93	125	5	100	40	267	103	174	...	...	...	9
25	213	18	63	...	...	68	82	...	...	...	10
309	184	8	97	...	...	234	162	...	...	...	11
702	160	38	113	3	136	331	126	30	(Z)	2,000	12
281	143	3	133	...	...	15.	114	...	...	...	13
170	103	30	143	...	...	157	123	...	...	...	14
99	99	4	67	...	...	94	151	10	(Z)	1,000	15
766	100	11	157	10	455	552	135	...	...	...	16
198	117	12	86	142	185	100	114	...	...	...	17
392	133	25	200	...	...	199	145	...	...	...	18
155	129	42	251	...	...	208	168	100	(Z)	200	19
366	140	35	179	106	197	80	116	...	...	...	20
289	127	61	153	20	200	396	172	4.	(C)	667	21
522	111	150	86	7	64	221	86	25	(C)	480	22
1,405	141	8	267	8	91	350	172	10	(Z)	2,000	23
635	166	...	...	...	...	207	125	...	...	...	24
1,393	141	...	...	...	...	778	15.	180	0.1	1,722	25
1,957	157	...	...	...	318	1,018	14.	...	...	...	26
1,502	151	29	276	20	1,000	1,070	140	...	...	...	27
1,231	174	...	...	1	400	485	131	20	(Z)	1,000	28
2,068	199	62	151	30	150	998	158	50	(Z)	800	29
703	122	28	184	3	170	596	160	...	...	...	30

TENNESSEE
TONS OF FERTILIZER



LEGEND

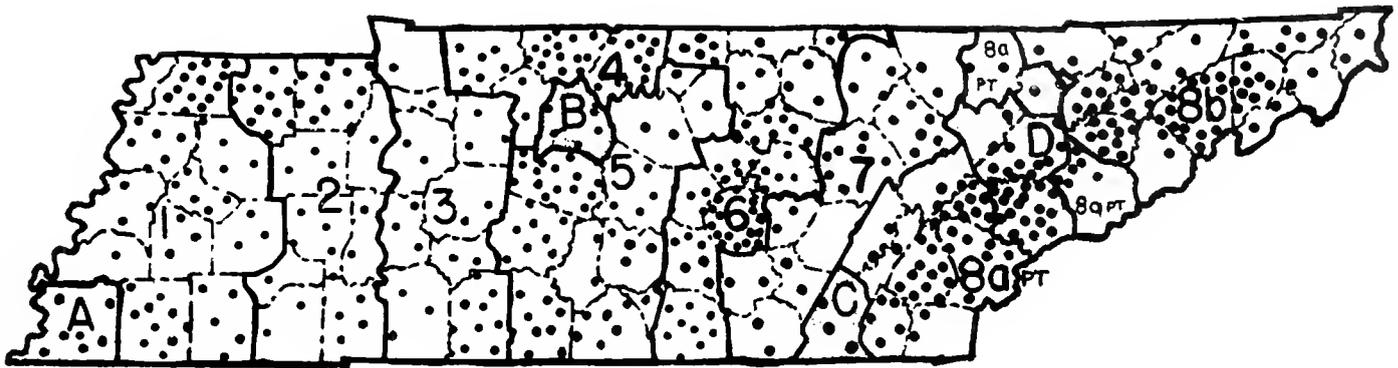
- B METROPOLITAN STATE ECONOMIC AREA
- 2 NONMETROPOLITAN STATE ECONOMIC AREA
- 1 DOT = 2,000 TONS

Map No. A54-466

Table I.—USE OF FERTILIZER FOR SPECIFIED CROPS AND USE OF

State, economic area, and county	Fertilizer							
	All crops and all pasture fertilized		Hay and cropland pasture fertilized		Other pasture fertilized		All crops fertilized except hay	
	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)
1 Tennessee total	532,195	330	102,565	303	23,045	310	403,226	336
2 Area 1:								
3 Crockett	10,773	370	668	374	77	218	10,026	371
4 Dyer	8,405	278	732	211	133	190	7,510	281
5 Fayette	14,325	346	1,596	533	664	352	11,918	329
6 Gibson	16,446	336	1,672	362	384	379	14,442	333
7 Hardeman	11,051	371	1,222	458	332	714	9,502	361
8 Haywood	13,263	339	476	223	92	79	12,610	354
9 Lake	3,779	284	38	203	...	...	3,722	282
10 Lauderdale	8,060	227	487	287	204	280	7,258	225
11 Madison	12,332	324	882	287	200	230	11,028	321
12 Obion	6,386	271	684	338	216	204	5,418	261
13 Tipton	10,746	256	532	275	177	169	9,979	254
14 Metropolitan Area A:								
15 Shelby	12,960	309	958	242	418	268	11,357	314
16 Area 2:								
17 Benton	2,326	231	289	208	76	400	1,962	232
18 Carroll	3,843	284	756	271	208	329	7,816	279
19 Chester	5,534	343	407	72	52	257	5,206	341
20 Decatur	2,330	243	388	301	68	358	1,838	223
21 Hardin	3,700	262	265	273	86	282	3,301	263
22 Henderson	8,512	338	712	326	96	392	7,680	344
23 Henry	7,439	251	1,911	289	444	275	5,043	235
24 McNairy	8,548	332	266	422	92	580	8,167	333
25 Weakley	9,038	255	1,422	320	214	382	7,322	237
26 Area 3:								
27 Dickson	5,987	350	1,480	382	539	443	3,969	325
28 Hickman	2,567	236	426	266	70	375	2,058	226
29 Houston	1,616	307	503	395	186	524	931	262
30 Humphreys	3,191	242	428	341	356	331	2,407	221
31 Lawrence	12,087	280	1,670	228	203	292	10,131	295
Lewis	811	248	77	283	6	400	726	243
Perry	1,456	266	388	473	100	400	970	220
Stewart	3,006	316	190	226	54	366	2,723	323
Wayne	2,808	221	376	282	112	220	2,318	215

TENNESSEE
TONS OF LIME



LEGEND

- B METROPOLITAN STATE ECONOMIC AREA
- 2 NONMETROPOLITAN STATE ECONOMIC AREA
- 1 DOT = 500 TONS

Map No. A54-467

LIME, BY ECONOMIC AREAS AND BY COUNTIES: CENSUS OF 1954—Continued

Fertilizer—Continued								Lime			
Specified crops fertilized		Specified crops fertilized		Fruits, vegetables, and potatoes fertilized		Other crops fertilized except hay		Acres limed	Percent of total cropland plus improved pasture	Quantity used per acre (pounds)	
Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)				
<i>Corn</i> 168,492	<i>Corn</i> 255	<i>Tobacco</i> 57,297	<i>Tobacco</i> 1,236	18,894	684	158,543	340	144,600	1.6	3,215	1
1,653	296	...	...	427	621	7,946	383	2,425	1.9	2,177	2
1,884	210	...	...	1,025	1,127	4,601	272	1,603	0.8	3,480	3
3,098	264	...	...	17	486	8,803	361	5,669	2.5	1,701	4
4,378	262	...	...	1,012	847	9,052	355	1,270	0.5	3,353	5
3,693	284	...	...	110	584	5,699	434	1,921	1.4	2,768	6
2,486	246	...	...	247	688	9,877	392	912	0.4	3,596	7
195	208	...	...	35	609	3,492	286	190	0.3	947	8
2,416	185	...	...	155	381	4,687	250	1,019	0.7	2,797	9
3,274	237	...	...	353	666	7,401	371	1,190	0.7	2,639	10
3,114	234	9	400	11	210	2,284	310	3,795	1.8	3,548	11
2,652	197	...	...	13	520	7,314	284	190	0.1	4,842	12
2,863	264	...	...	634	588	7,860	325	2,980	1.4	2,238	13
1,406	208	...	...	26	612	530	320	565	1.1	2,142	14
3,562	222	...	...	120	500	4,134	353	1,070	0.7	3,000	15
2,169	246	...	...	38	422	2,999	472	405	0.7	2,938	16
1,172	197	...	...	21	365	645	288	529	0.9	4,045	17
1,459	201	...	...	48	149	1,794	361	1,046	1.1	4,141	18
3,080	256	...	...	40	400	4,560	447	1,455	1.2	3,636	19
3,266	204	408	565	109	412	1,260	283	3,407	2.2	3,403	20
3,562	258	...	...	26	578	4,579	428	1,145	1.0	2,052	21
4,398	192	226	747	166	449	2,532	346	4,675	2.3	2,248	22
2,234	245	1,039	919	124	841	572	313	1,020	1.0	3,324	23
1,790	217	82	643	22	629	164	239	400	0.5	3,800	24
620	209	190	920	25	526	96	298	235	0.9	3,745	25
1,864	201	22	1,467	19	844	502	317	665	1.2	2,902	26
3,941	220	182	1,080	474	532	5,534	360	3,155	1.9	2,796	27
521	220	43	989	25	549	137	258	460	2.3	3,387	28
904	216	...	...	8	1,600	58	282	1,029	2.7	3,232	29
1,669	230	964	994	16	762	74	395	355	0.6	3,183	30
1,700	189	...	...	30	545	588	334	815	1.2	4,196	31

USE OF FERTILIZER AND LIME

Table 1.—USE OF FERTILIZER FOR SPECIFIED CROPS AND USE OF

State, economic area, and county	Fertilizer							
	All crops and all pasture fertilized		Hay and cropland pasture fertilized		Other pasture fertilized		All crops fertilized except hay	
	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)
Tennessee—Continued								
Area 4:								
1 Cheatham	3,824	514	505	360	24	417	3,258	556
2 Montgomery	9,813	380	1,412	353	339	260	8,017	393
3 Robertson	19,650	425	1,420	239	890	306	17,207	461
4 Sumner	7,570	351	1,124	273	374	397	6,071	368
Area 5:								
5 Bedford	6,652	237	1,478	233	256	220	4,914	240
6 Giles	5,202	260	1,015	359	196	198	3,914	244
7 Lincoln	9,836	334	1,652	276	536	243	7,510	353
8 Marshall	3,485	232	1,006	225	148	188	2,370	237
9 Maury	3,642	233	1,116	213	248	182	2,275	254
10 Moore	1,130	310	176	249	28	700	918	317
11 Rutherford	8,190	262	2,195	238	426	290	5,677	282
12 Smith	2,844	336	337	291	52	335	2,434	344
13 Trousdale	1,762	265	270	163	250	185	1,244	347
14 Williamson	5,022	257	1,396	209	652	229	2,952	304
15 Wilson	3,729	264	980	214	280	332	2,394	277
Metropolitan Area B:								
16 Davidson	1,934	246	591	216	168	308	1,161	250
Area 6:								
17 Cannon	2,178	270	590	280	182	334	1,369	254
18 Clay	2,841	328	588	368	147	283	2,099	317
19 Coffee	7,214	310	1,724	277	236	311	5,164	313
20 De Kalb	4,258	349	815	283	194	371	3,181	363
21 Franklin	10,990	370	2,217	359	516	323	8,178	373
22 Jackson	2,640	279	280	203	100	360	2,232	288
23 Macon	5,285	339	966	252	137	386	4,216	372
24 Overton	3,852	312	968	269	198	293	2,623	323
25 Pickett	1,775	436	647	382	48	392	1,083	470
26 Putnam	5,812	334	1,490	286	526	334	3,795	361
27 Warren	8,368	294	2,760	277	391	346	5,208	296
28 White	6,961	358	2,653	339	491	375	3,893	369
Area 7:								
29 Blount	3,948	371	1,030	313	141	326	2,757	395
30 Cumberland	4,611	490	1,468	393	425	536	2,697	554
31 Fentress	3,281	423	923	343	40	205	2,278	469
32 Grundy	1,233	325	333	400	24	246	865	307
33 Marion	1,830	244	350	194	261	316	1,217	250
34 Morgan	1,584	448	330	286	78	650	1,147	509
35 Scott	944	373	199	347	104	473	635	375
36 Sequatchie	1,578	278	610	245	14	170	941	299
37 Van Buren	928	382	251	360	119	553	559	364
Area 8a:								
38 Bradley	4,119	331	1,663	347	542	415	1,914	301
39 Campbell	1,848	339	554	214	30	104	1,260	488
40 Loudon	4,618	373	1,648	324	83	291	2,890	418
41 Meigs	6,864	344	2,790	323	678	425	3,290	337
42 Weigs	1,788	315	547	231	26	200	1,204	381
43 Monroe	5,544	352	1,724	314	283	422	3,446	360
44 Polk	1,440	349	467	401	40	333	922	323
45 Rhea	3,156	354	750	289	384	395	1,991	377
46 Roane	2,538	404	1,146	342	82	345	1,284	479
47 Sevier	5,460	404	1,439	311	132	350	3,886	454
48 Union	2,542	560	611	381	36	436	1,885	661
Metropolitan Area C:								
49 Hamilton	3,586	404	1,248	370	280	443	2,109	432
Metropolitan Area D:								
50 Anderson	2,114	411	902	359	207	412	1,006	494
51 Blount	7,924	386	3,763	331	406	454	3,696	431
52 Knox	7,376	358	3,930	324	572	295	2,856	441
Area 8b:								
53 Carter	2,987	477	1,239	365	130	391	1,611	610
54 Claiborne	6,960	579	1,326	335	83	312	5,501	707
55 Cooke	4,117	392	871	190	165	606	3,102	426
56 Grainger	5,402	546	1,620	417	318	458	3,464	652
57 Greene	14,996	398	2,883	292	614	261	11,144	450
58 Hamblen	4,296	376	1,096	352	514	350	2,717	396
59 Hancock	3,461	530	685	394	145	260	2,599	598
60 Hawkins	7,284	460	1,267	371	396	374	5,609	491
61 Jefferson	6,860	368	2,186	337	526	328	4,094	426
62 Johnson	3,624	517	610	280	222	347	2,775	642
63 Sullivan	6,087	390	1,982	334	439	226	3,656	474
64 Unicoi	1,292	533	308	386	70	295	918	666
65 Washington	9,086	376	3,716	330	568	304	4,626	426

USE OF FERTILIZER AND LIME

LIME, BY ECONOMIC AREAS AND BY COUNTIES: CENSUS OF 1954—Continued

Fertilizer—Continued								Lime		
Specified crops fertilized		Specified crops fertilized		Fruits, vegetables, and potatoes fertilized		Other crops fertilized except hay		Acres limed	Percent of total cropland plus improved pasture	Quantity used per acre (pounds)
Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)			
<i>Corn</i>	<i>Corn</i>	<i>Tobacco</i>	<i>Tobacco</i>							
1,390	356	1,466	1,357	82	1,215	320	394	615	1.0	3,161
3,827	267	3,255	965	84	575	851	334	2,075	1.3	3,205
6,878	340	5,930	1,232	198	666	3,201	285	3,700	1.8	3,849
2,645	261	1,698	824	222	569	1,506	384	2,080	1.2	3,668
2,666	225	190	731	18	800	2,040	246	1,390	1.0	2,871
1,821	187	165	811	26	650	1,902	316	3,500	1.8	2,297
2,754	249	298	666	254	555	4,204	452	2,025	1.0	3,047
1,374	215	234	775	20	571	742	227	820	0.9	2,841
844	185	799	864	24	600	608	178	5,727	3.0	1,461
490	225	242	1,019	18	900	168	365	395	0.9	2,785
1,996	242	54	982	23	613	2,604	341	1,365	0.8	3,194
1,141	213	1,133	966	30	706	130	264	180	0.2	3,889
564	211	663	837	2	400	15	120	180	0.5	3,722
1,276	220	898	959	146	1,054	632	221	4,430	2.9	3,382
1,478	226	506	1,049	98	530	312	220	591	0.4	3,051
464	285	222	1,280	233	337	242	113	1,555	1.7	2,958
968	225	110	1,000	24	738	267	281	1,700	2.5	1,841
1,325	244	472	1,074	148	738	154	281	240	0.5	5,083
3,106	276	80	727	321	747	1,657	351	2,360	2.2	3,701
1,940	265	770	1,304	140	927	331	469	1,500	1.8	4,008
3,564	307	184	1,132	283	976	4,147	420	2,711	2.2	3,484
1,444	212	652	1,153	68	1,283	68	216	446	0.7	3,686
2,211	241	1,624	1,275	87	809	294	372	1,204	1.3	4,219
1,706	264	293	1,546	338	891	286	261	785	0.9	4,015
513	318	370	1,674	89	693	111	326	525	2.2	4,095
2,310	273	929	1,430	214	920	342	289	2,380	2.4	4,324
3,191	268	214	982	138	642	1,665	317	3,910	2.9	3,862
2,768	304	643	1,495	134	940	348	403	1,322	1.4	3,844
1,346	301	14	1,400	879	946	518	321	2,106	3.8	4,062
1,281	396	132	1,784	1,025	860	259	710	7,069	2.1	7,069
910	361	150	1,935	1,107	569	111	358	843	2.0	4,747
539	276	4	800	146	695	176	272	521	2.8	3,021
986	240	14	1,400	37	698	180	255	450	1.2	3,956
654	413	51	1,360	250	641	192	792	1,720	6.5	3,645
404	301	10	1,250	213	669	8	291	455	2.4	3,604
615	281	...	...	92	511	234	301	620	2.9	3,210
386	344	11	2,200	69	627	93	313	395	2.4	4,177
1,044	254	222	1,410	106	411	542	295	1,137	1.9	3,967
570	298	410	1,802	226	701	54	470	525	1.4	3,238
973	323	719	1,490	122	487	1,076	340	1,960	2.4	4,490
1,672	275	631	1,127	167	686	820	287	3,145	2.9	3,587
608	272	266	1,255	60	659	270	430	210	0.5	3,524
1,360	278	798	1,196	282	451	1,006	298	1,870	1.8	3,523
485	273	34	2,267	41	432	362	375	540	1.9	3,667
1,003	324	52	1,224	435	746	501	321	549	1.1	4,029
728	389	314	1,174	82	656	160	383	953	1.7	3,396
1,498	296	1,578	1,873	204	868	586	246	2,190	2.2	2,918
534	332	1,040	1,698	211	844	100	263	505	1.2	3,208
919	305	4	1,600	692	809	494	488	880	1.5	341
554	349	233	1,983	144	860	75	462	570	1.3	3,561
1,402	302	648	1,726	212	912	1,434	430	6,174	6.0	2,603
1,080	361	676	1,774	428	565	672	286	2,535	2.3	4,165
657	469	425	1,223	356	705	173	449	800	2.1	2,762
2,002	433	2,622	1,924	334	1,012	543	371	550	0.7	4,091
1,145	248	1,416	1,404	78	525	463	308	656	0.7	2,756
984	350	1,832	1,767	225	657	423	375	1,540	2.1	3,682
3,810	301	4,470	1,348	208	778	2,656	311	3,190	1.5	4,019
962	245	995	1,337	73	512	687	335	1,380	2.3	4,152
1,018	342	1,370	1,671	66	506	145	341	698	1.6	3,510
2,172	325	2,136	1,381	236	882	1,065	364	1,260	1.4	2,643
1,321	298	1,312	1,379	354	806	1,107	293	1,976	2.2	4,441
812	456	1,076	1,443	418	609	469	421	615	1.5	2,829
1,507	328	1,274	1,449	123	895	752	359	1,880	2.1	3,027
308	438	416	1,353	139	625	55	379	495	4.6	3,374
1,566	304	1,683	1,297	216	636	1,161	285	2,365	2.0	3,340

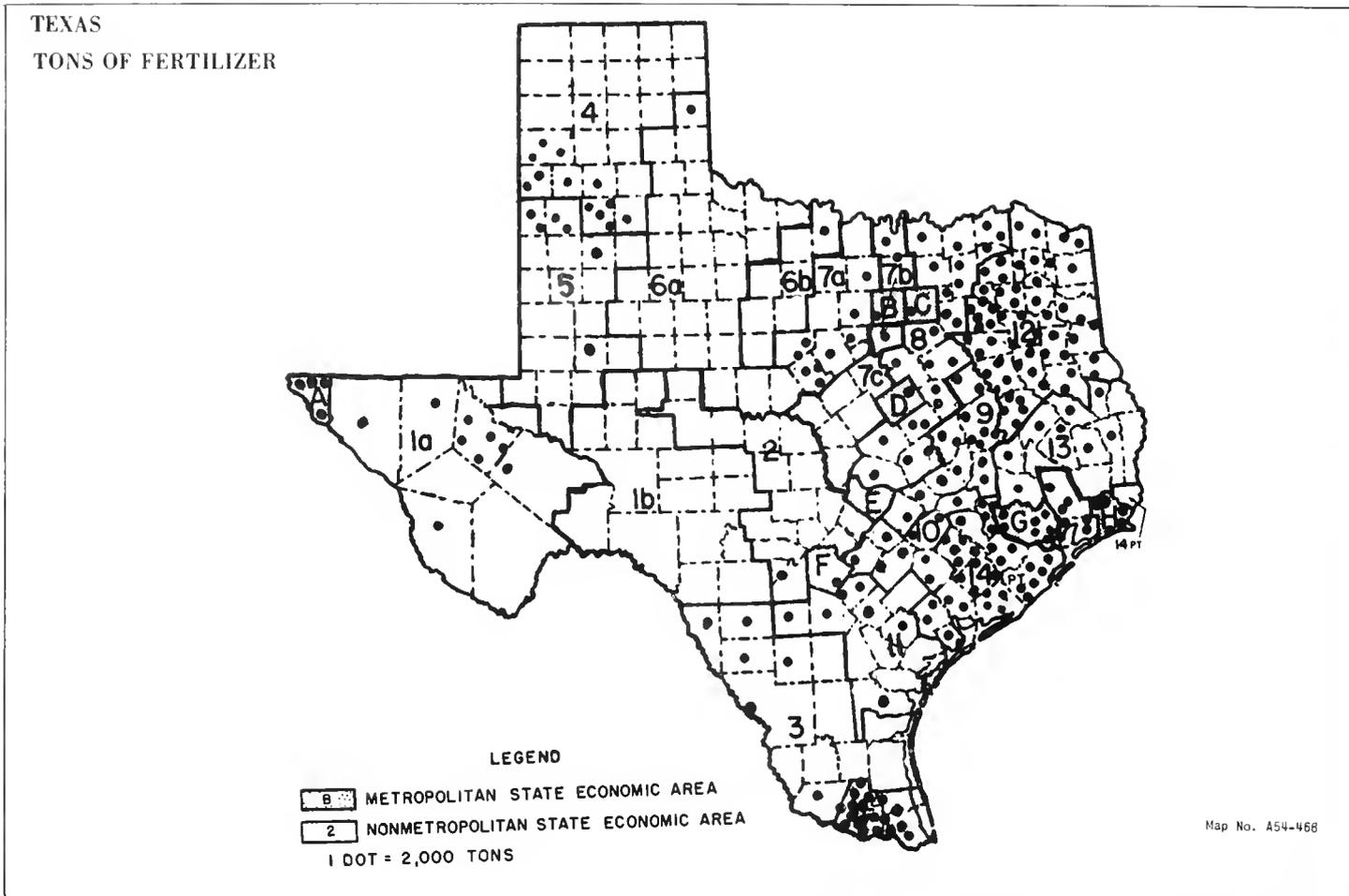
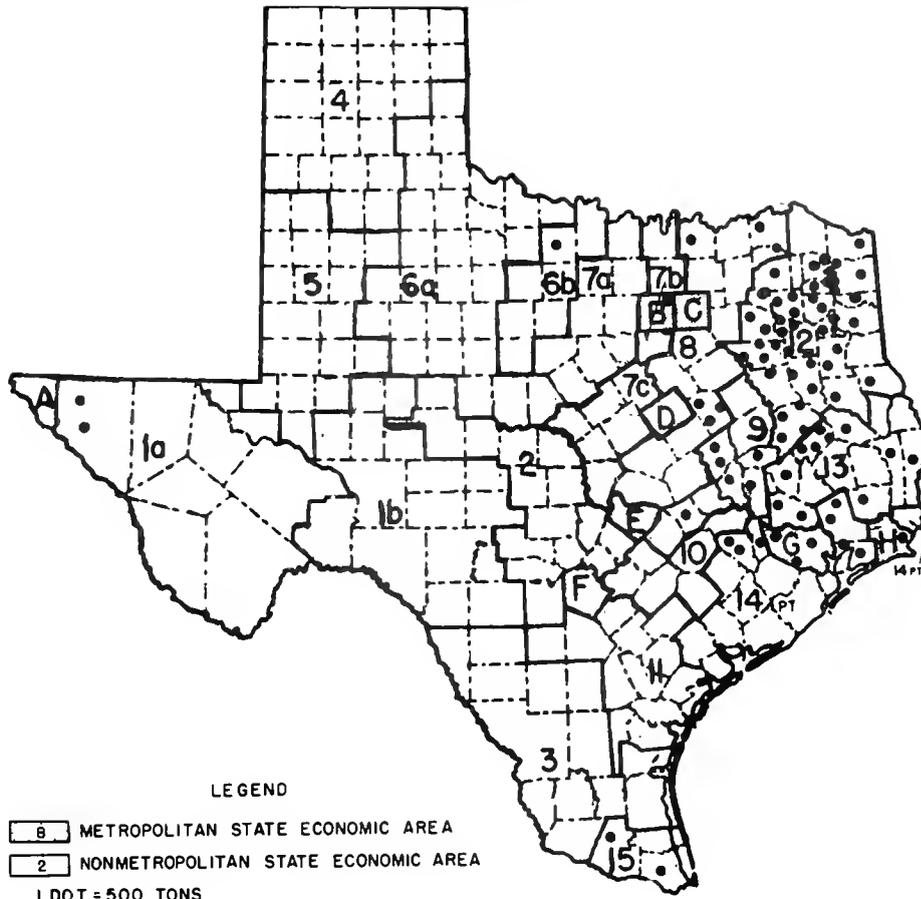


Table 1.—USE OF FERTILIZER FOR SPECIFIED CROPS AND USE OF

State, economic area, and county	Fertilizer							
	All crops and all pasture fertilized		Hay and cropland pasture fertilized		Other pasture fertilized		All crops fertilized except hay	
	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)
1 Texas, total	491,294	215	86,562	208	30,968	202	371,963	217
Area la:								
2 Brewster	12	161	2	200	...	...	10	155
3 Culberson	1,088	383	12	38	...	...	1,077	426
4 Hudspeth	2,084	225	508	208	...	...	1,577	230
5 Jeff Davis	479	345	6	109	...	...	473	355
6 Loving .....	...	...	...	...	...	...	...	...
7 Pecos	1,961	256	471	273	...	...	1,488	250
8 Presidio	1,400	341	159	323	11	185	1,227	345
9 Reeves	9,079	309	406	226	2	70	8,669	314
10 Ward	314	266	220	303	2	160	92	209
Metropolitan Area A:								
11 El Paso	7,018	347	2,238	349	...	...	4,716	342
Area lb:								
12 Crockett	2	80	...	...	...	...	2	80
13 Edwards	44	530	36	507	...	...	8	667
14 Glascock	138	267	2	267	...	...	136	267
15 Irion	18	327	12	320	...	...	5	286
16 Kimble	61	255	20	209	...	...	41	285
17 Kinney	16	194	6	185	...	...	10	200
18 Menard	226	202	70	383	...	...	156	166
19 Reagan .....	...	...	...	...	...	...	...	...
20 Real	29	175	11	159	...	...	18	186
21 Schleicher	15	100	5	67	...	...	10	133
22 Sterling .....	...	...	...	...	...	...	...	...
23 Sutton	4	320	4	320	...	...	...	...
24 Terrell .....	...	...	...	...	...	...	...	...
25 Upton	23	232	...	...	...	...	23	232
26 Uvalde	492	153	68	130	10	27	413	177
27 Val Verde	107	319	95	463	...	...	12	92

TEXAS
TONS OF LIME



Map No. A54-469

LIME, BY ECONOMIC AREAS AND BY COUNTIES: CENSUS OF 1954—Continued

Fertilizer—Continued								Lime			
Specified crops fertilized		Specified crops fertilized		Fruits, vegetables, and potatoes fertilized		Other crops fertilized except hay		Acres limed	Percent of total cropland plus improved pasture	Quantity used per acre (pounds)	
Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)				
57,175	220	108,413	218	56,008	347	150,367	190	48,164	0.1	1,799	1
...	...	8	145	2	211	...	...	...	...	...	2
...	...	625	379	...	...	452	515	280	2.5	100	3
...	...	1,548	235	...	...	29	100	300	0.7	6,667	4
...	...	465	361	...	...	8	178	...	...	...	5
...	6
...	...	1,384	244	...	...	104	364	...	...	...	7
...	...	899	371	318	304	10	114	...	...	...	8
...	...	7,856	309	70	737	743	354	...	...	...	9
...	...	85	212	...	...	7	177	...	...	...	10
22	242	4,490	341	122	458	82	315	...	...	...	11
...	2	80	...	...	...	12
...	6	1,000	2	333	...	...	...	13
...	...	132	267	...	...	4	267	...	...	...	14
...	5	286	...	...	...	15
...	41	285	...	...	...	16
...	10	200	...	...	...	17
38	608	...	...	1	400	117	134	125	0.4	2,000	18
...	16	186	...	...	...	19
2	182	...	...	...	...	...	...	...	...	...	20
...	10	133	...	...	...	21
...	22
...	23
...	24
...	23	232	...	...	...	25
5	200	82	285	180	198	140	132	...	...	...	26
...	12	92	...	...	...	27

Table 1.—USE OF FERTILIZER FOR SPECIFIED CROPS AND USE OF

State, economic area, and county	Fertilizer							
	All crops and all pasture fertilized		Hay and cropland pasture fertilized		Other pasture fertilized		All crops fertilized except hay	
	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)
Texas—Continued								
Area 2:								
1 Bandera	516	212	326	201	2	148	176	222
2 Blanco	374	150	143	152	20	133	210	150
3 Coke	10	99	10	114	...	...	...	...
4 Comal	276	245	164	328	2	80	108	179
5 Concho	8	68	8	68	...	...	...	...
6 Gillespie	806	130	209	112	32	284	263	132
7 Hays	495	162	307	171	2	167	184	147
8 Kendall	200	149	50	189	32	109	119	151
9 Kerr	383	172	244	168	...	...	137	178
10 Llano	78	128	44	130	7	149	27	121
11 McCulloch	84	127	34	149	2	133	49	117
12 Mason	329	97	74	102	6	89	249	96
13 Medina	1,204	162	413	176	22	105	768	158
14 San Saba	694	131	143	138	9	189	541	129
15 Tom Green	268	274	109	395	...	...	159	227
Area 3:								
16 Brooks	302	156	46	280	...	...	256	145
17 Dimmit	2,662	360	106	107	24	178	2,531	404
18 Duval	359	114	114	110	27	154	218	112
19 Jim Hogg	80	99	42	109	10	100	29	91
20 Kenedy	8	133	4	145	...	...	4	123
21 Kleberg	514	187	82	184	10	100	421	194
22 La Salle	1,018	136	556	150	90	118	367	124
23 McMullen	3	52	...	...	...	...	2	38
24 Maverick	2,383	363	893	359	...	...	1,492	366
25 Starr	1,165	359	20	160	1	29	1,143	371
26 Webb	1,458	503	49	146	...	...	1,408	590
27 Zapata	807	453	20	320	...	...	787	458
28 Zavala	1,771	245	104	114	...	...	1,677	263
Area 4:								
29 Armstrong	18	80	6	109	...	...	12	71
30 Briscoe	427	199	24	322	...	...	403	195
31 Carson	5	100	...	...	...	...	5	100
32 Castro	2,944	154	66	160	22	102	2,847	153
33 Dallam	253	76	...	...	1	133	252	76
34 Deaf Smith	5,137	208	150	204	25	222	4,918	209
35 Floyd	1,254	128	205	170	4	186	1,045	121
36 Gray	186	91	7	200	...	...	179	89
37 Hale	7,416	196	591	334	10	88	6,805	190
38 Hansford	138	149	2	267	...	...	136	148
39 Hartley	15	53	...	...	...	...	15	53
40 Hemphill	132	62	14	80	...	...	117	60
41 Hutchinson	44	223	5	200	...	...	39	226
42 Lipscomb	43	65	18	41	2	73	23	117
43 Moore	293	108	1	333	...	...	292	108
44 Ochiltree	48	207	7	175	...	...	41	214
45 Oldham	125	134	...	...	...	...	120	129
46 Farmer	3,760	196	64	205	5	400	3,689	195
47 Potter	60	63	...	...	...	...	60	63
48 Randall	742	130	18	129	12	192	711	130
49 Roberts	21	168	21	168	...	...	21	168
50 Sherman	21	111	...	119	...	...	21	111
51 Swisher	2,107	97	29	119	4	471	2,070	95
Area 5:								
52 Andrews	29	299	...	...	...	...	29	299
53 Bailey	3,578	389	1,568	435	2	160	2,009	356
54 Cochran	326	385	80	604	...	...	246	344
55 Crane	...	...	...	...	...	...	...	...
56 Crosby	126	402	...	...	...	...	126	410
57 Dawson	280	157	...	...	...	...	281	157
58 Ector	73	562	3	100	...	...	70	700
59 Gaines	908	206	201	244	...	...	708	198
60 Hockley	504	163	46	198	11	183	446	159
61 Howard	22	90	2	44	...	...	20	100
62 Lamb	4,398	274	1,324	396	12	80	3,057	246
63 Lubbock	2,130	284	138	253	28	295	1,965	286
64 Lynn	26	89	...	...	2	133	24	86
65 Martin	1,526	356	...	...	...	...	1,526	356
66 Midland	612	213	...	...	...	...	612	213
67 Terry	791	191	40	205	7	93	747	191
68 Winkler	...	...	...	...	...	...	...	...
69 Yoakum	91	208	28	232	...	...	63	199
Area 6a:								
70 Baylor	214	153	54	144	16	168	144	154
71 Borden	...	...	...	...	...	...	...	...
72 Brown	877	189	146	152	31	99	701	212
73 Childress	24	74	20	70	...	...	4	107
74 Coleman	64	183	1	57	10	400	54	175
75 Collingsworth	427	57	71	90	...	...	354	52
76 Cottle	535	339	...	...	...	...	535	339
77 Dickens	52	87	2	133	...	...	50	86
78 Donley	342	82	42	247	70	65	233	79
79 Fisher	12	176	12	200	...	...	...	...
80 Foard	202	214	192	229	...	...	10	95
81 Garza	57	78	5	200	...	...	52	73
82 Hall	42	53	3	71	...	...	39	52
83 Hardeman	230	166	3	50	84	132	142	205
84 Haskell	222	128	62	248	4	200	157	108
85 Jones	213	185	9	90	...	...	204	194
86 Kent	...	...	...	...	...	...	...	...
87 King	...	...	...	...	...	...	...	...
88 Knox	78	110	54	206	...	...	25	56
89 Mitchell	19	115	2	200	...	...	17	110

2 0.35 percent or less.

LIME, BY ECONOMIC AREAS AND BY COUNTIES: CENSUS OF 1954—Continued

Fertilizer—Continued								Lime		
Specified crops fertilized		Specified crops fertilized		Fruits, vegetables, and potatoes fertilized		Other crops fertilized except hay		Acres limed	Percent of total cropland plus improved pasture	Quantity used per acre (pounds)
Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)			
...
6	99	...	...	8	213	176	222	...	...	1
...	...	...	...	...	...	196	151	...	...	2
34	197	...	...	...	...	...	...	...	...	3
...	...	...	...	...	...	...	...	...	...	4
20	172	18	95	71	299	74	172	...	...	5
19	121	24	106	...	...	...	...	...	...	6
...	...	...	...	...	...	141	122	...	...	7
2	100	...	...	8	533	111	144	5	(2)	2,000
8	364	...	...	...	...	127	177	...	...	8
...	198	...	...	...	...	25	115	...	...	9
...	...	49	119	...	...	33	106	...	...	10
...	...	32	106	...	...	133	198	...	...	11
93	119	32	155	48	259	595	161	250	0.1	160
4	400	114	167	28	122	395	121	...	...	14
...	...	100	221	52	285	7	104	...	...	15
...
3	182	38	150	20	154	195	143	...	...	16
2	250	74	155	2,428	426	27	360	...	...	17
24	112	44	72	88	111	62	191	...	...	18
...	...	7	64	1	133	21	106	...	...	19
...	...	...	...	...	...	4	123	...	...	20
28	329	90	167	277	204	54	193	...	...	21
...	...	103	105	74	168	162	112	...	...	22
...	...	...	...	...	...	2	42	...	...	23
39	108	1,037	468	324	240	92	609	...	...	24
3	100	255	195	866	528	32	187	...	...	25
10	250	93	301	1,303	599	2	53	...	...	26
1	133	132	253	654	550	...	...	...	...	27
42	102	66	126	1,403	354	166	113	...	...	28
...
...	...	1	33	...	...	11	79	...	...	29
8	320	204	353	...	...	191	130	...	...	30
...	...	...	...	...	...	5	100	...	...	31
104	254	493	195	207	346	2,043	136	...	...	32
34	96	...	...	...	...	218	73	...	...	33
128	216	101	199	1,020	454	669	182	70	(2)	6,000
49	131	424	168	...	...	572	100	...	...	35
2	267	132	87	...	...	44	91	...	...	36
76	150	2,356	263	141	266	4,232	164	...	...	37
...	...	8	107	...	...	128	151	...	...	38
...	...	...	...	...	...	15	53	...	...	39
3	67	34	120	...	...	80	49	...	...	40
...	...	...	...	...	...	39	226	...	...	41
...	...	...	...	...	...	23	117	...	...	42
21	94	...	...	...	...	271	109	...	...	43
...	...	...	...	...	...	40	211	...	...	44
...	...	...	...	1	500	120	120	...	...	45
...	...	642	258	200	419	2,847	178	...	...	46
...	...	...	...	...	...	60	63	...	...	47
7	68	...	...	25	625	679	127	...	...	48
...	...	...	...	...	...	...	...	...	...	49
...	...	...	...	...	...	21	111	...	...	50
5	71	391	128	60	299	1,614	88	150	(2)	2,000
...
...	...	19	404	...	...	10	200	...	...	52
21	250	1,270	338	228	644	490	339	...	...	53
...	...	198	438	...	...	48	183	...	...	54
...	...	...	...	...	...	...	...	...	...	55
...	...	126	410	...	...	...	...	...	...	56
2	160	277	157	...	...	2	133	...	...	57
...	...	70	700	4	533	...	...	...	...	58
6	300	388	156	...	...	4	148	...	...	59
...	...	20	100	...	...	52	172	...	...	60
4	40	2,156	283	264	433	633	155	...	...	61
...	...	1,882	300	15	400	68	125	...	...	62
...	...	14	67	...	...	10	148	10	(2)	2,000
...	...	1,496	368	...	...	30	141	...	...	64
...	...	612	213	...	...	...	...	...	...	65
...	...	460	174	...	...	225	225	40	(2)	2,000
...	...	...	...	...	...	...	...	...	...	66
...	...	48	184	...	...	15	268	...	...	68
...	...	...	...	...	...	...	...	...	...	69
...	...	23	219	...	...	121	146	...	...	70
...	...	...	...	...	...	...	...	...	...	71
11	176	70	418	79	832	541	181	...	...	72
...	...	4	107	...	...	...	...	...	...	73
...	...	...	...	...	...	54	175	...	...	74
...	...	246	52	...	...	108	54	...	...	75
...	...	460	402	...	...	75	172	...	...	76
5	50	44	95	...	...	1	50	...	...	77
...	...	188	78	10	100	35	81	...	...	78
...	...	...	...	...	...	...	...	...	...	79
...	...	...	...	...	...	10	95	...	...	80
...	...	...	...	...	...	52	73	...	...	81
...	...	37	51	...	...	2	80	...	...	82
...	...	2	33	...	...	140	222	...	...	83
...	...	119	101	...	...	38	137	...	...	84
...	...	93	152	40	195	71	297	...	...	85
...	...	...	...	...	...	...	...	...	...	86
...	...	...	...	...	...	...	...	...	...	87
...	...	5	32	...	...	20	69	...	...	88
...	...	9	73	...	...	8	254	...	...	89

USE OF FERTILIZER AND LIME

Table 1.—USE OF FERTILIZER FOR SPECIFIED CROPS AND USE OF

State, economic area, and county	Fertilizer								
	All crops and all pasture fertilized		Hay and cropland pasture fertilized		Other pasture fertilized		All crops fertilized except hay		
	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	
Texas—Continued									
Area 6a—Continued									
1	Motley	67	42	4	26	...	...	63	44
2	Nolan	147	474	...	...	...	...	147	474
3	Runnels	97	282	2	200	...	...	95	285
4	Scurry	1	400	...	...	...	...	1	400
5	Stonewall	58	80	10	133	...	...	49	76
6	Taylor	34	101	10	53	...	...	24	160
7	Wheeler	1,008	79	103	138	68	53	830	78
8	Wichita	710	114	328	166	42	231	339	83
9	Wilbarger	862	214	643	266	...	...	219	135
Area 6b:									
10	Archer	486	114	392	107	...	...	94	157
11	Callahan	695	176	209	177	23	128	453	178
12	Clay	1,035	171	242	164	41	529	752	167
13	Shackelford	28	117	8	123	15	100	5	200
14	Stephens	70	139	6	109	...	...	65	146
15	Throckmorton	51	158	25	167	...	...	26	151
16	Young	182	119	32	118	24	95	126	124
Area 7a:									
17	Comanche	5,303	131	923	139	65	172	4,267	126
18	Eastland	3,049	112	349	105	22	28	2,671	115
19	Erath	2,056	132	812	139	5	111	1,211	128
20	Hood	1,484	175	299	155	13	141	1,163	180
21	Jack	570	185	199	201	25	167	346	178
22	Montague	950	149	357	153	86	72	508	181
23	Palo Pinto	369	164	116	175	31	376	218	146
24	Parker	1,231	170	484	161	96	168	651	177
25	Somervell	370	143	106	134	3	150	257	145
26	Wise	1,461	186	499	143	64	137	874	227
Area 7b:									
27	Cooke	2,533	184	765	164	204	179	1,518	192
28	Denton	1,890	128	669	141	140	167	1,080	118
29	Johnson	1,366	168	471	160	80	168	816	169
Metropolitan Area B:									
30	Tarrant	1,811	221	950	223	139	131	709	245
Area 7c:									
31	Bosque	896	138	286	176	27	142	580	123
32	Burnet	277	94	120	160	...	...	157	71
33	Coryell	351	134	108	116	...	...	239	142
34	Hamilton	170	126	87	141	...	...	83	116
35	Lampasas	225	132	105	135	6	98	110	128
36	Mills	166	121	53	183	...	...	114	106
Area 8:									
37	Bell	1,374	174	400	221	2	133	956	160
38	Collin	2,376	191	1,076	218	282	188	1,020	171
39	Delta	1,137	182	286	248	78	246	773	162
40	Ellis	1,404	170	692	163	168	119	545	212
41	Falls	4,140	205	900	225	368	205	2,849	202
42	Fannin	2,847	213	877	234	455	250	1,491	191
43	Grayson	2,132	192	815	207	246	191	1,051	181
44	Hill	1,320	153	326	157	62	149	923	150
45	Hunt	3,977	195	866	187	260	184	2,820	193
46	Kaufman	3,959	190	1,664	185	468	223	1,788	183
47	Lamar	4,418	197	1,030	229	652	200	2,719	184
48	Limestone	4,580	187	710	208	316	280	3,513	175
49	Milam	3,380	211	834	179	128	156	2,474	238
50	Navarro	3,006	191	1,207	182	120	118	1,646	210
51	Rockwall	880	173	126	179	58	219	692	167
52	Williamson	1,422	156	207	125	40	140	1,175	163
Metropolitan Area C:									
53	Dallas	1,204	233	377	216	151	219	675	247
Metropolitan Area D:									
54	McLennan	2,267	156	714	148	97	119	1,444	163
Metropolitan Area E:									
55	Travis	900	175	411	163	12	94	478	193
Area 9:									
56	Bastrop	1,849	189	384	198	47	208	1,412	188
57	Brazos	2,629	220	605	227	584	226	1,404	210
58	Burleson	2,450	195	505	296	106	203	1,844	177
59	Freestone	4,601	194	661	216	563	232	3,357	185
60	Grimes	4,760	238	870	249	906	246	2,943	230
61	Lee	2,318	162	268	158	120	134	1,910	166
62	Leon	5,024	261	537	222	390	237	4,107	271
63	Madison	4,246	207	1,015	183	1,286	188	1,939	243
64	Robertson	4,379	241	708	234	429	294	3,196	235
Area 10:									
65	Caldwell	1,683	166	504	194	69	207	1,106	151
66	Fayette	3,601	249	786	233	364	243	2,406	249
67	Gonzales	3,433	182	620	212	92	127	2,717	179
68	Guadalupe	2,318	168	415	167	246	143	1,680	176
69	Lavaca	4,210	222	571	176	256	175	3,366	232
70	Washington	2,172	222	560	228	268	145	1,323	236

USE OF FERTILIZER AND LIME

LIME, BY ECONOMIC AREAS AND BY COUNTIES: CENSUS OF 1954—Continued

Fertilizer—Continued								Lime		
Specified crops fertilized		Specified crops fertilized		Fruits, vegetables, and potatoes fertilized		Other crops fertilized except hay		Acres limed	Percent of total cropland plus improved pasture	Quantity used per acre (pounds)
Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)			
...	...	62	44	...	...	1	133	...	...	...
...	...	147	474	...	...	...	...	...	...	...
...	...	50	63	1	400	44	174	...	...	...
...	...	...	...	...	...	1	400	...	...	...
1	400	22	49	...	...	...	132	...	...	...
...	...	...	...	...	...	24	160	...	...	...
...	...	59	85	14	307	237	62	...	...	...
...	...	17	178	2	133	320	81	...	...	...
...	...	49	147	5	27	165	150	...	...	...
...	...	...	...	...	...	94	157	700	0.5	2,143
1	400	29	145	21	350	402	176	...	...	...
17	170	120	171	16	152	599	166	...	...	...
...	...	...	...	...	...	5	200	...	...	...
1	400	1	200	...	...	63	144	...	...	...
...	...	...	...	...	...	26	151	...	...	...
1	42	6	109	6	160	113	125	...	...	...
96	156	353	130	223	169	3,625	123	100	(2)	200
34	118	162	132	...	255	2,468	113	...	...	...
59	122	126	164	6	400	1,020	125	...	...	...
81	154	93	138	26	135	963	191	...	...	...
...	...	5	164	3	86	226	183	...	...	...
14	141	18	195	90	248	386	171	...	...	...
21	98	52	180	1	100	144	147	...	...	...
105	198	20	286	136	172	390	171	120	0.1	2,083
50	147	30	135	...	...	177	147	...	...	...
29	155	48	131	448	361	349	170	400	0.3	1,225
112	183	70	369	28	233	1,308	187	160	0.1	1,000
67	147	100	161	16	256	897	112	75	(2)	1,200
66	187	66	217	28	184	656	164	69	(2)	638
36	240	25	185	234	288	414	231	250	0.1	2,600
34	214	55	128	...	...	441	113	...	...	...
2	143	25	156	...	...	130	64	150	0.1	333
6	150	10	98	1	400	222	144	...	...	...
12	112	...	...	...	...	71	116	...	...	...
16	85	20	133	3	240	71	139	...	...	...
13	182	10	80	...	...	91	103	40	(2)	2,000
98	225	312	175	4	400	542	145	325	0.1	215
153	137	198	179	91	183	578	177	100	(2)	1,100
92	181	470	144	...	...	211	212	550	0.5	545
26	144	130	226	1	400	388	214	...	...	...
566	169	1,175	185	486	461	622	186	870	0.3	184
214	170	496	157	33	307	748	327	115	(2)	783
188	196	121	182	8	400	674	175	440	0.2	1,205
87	125	330	157	1	400	505	150	...	...	...
150	153	776	140	21	168	1,873	236	260	0.1	1,269
290	195	378	127	18	400	1,102	440	440	0.2	364
574	243	1,416	153	173	524	556	200	860	0.3	1,886
896	188	1,889	161	259	248	469	185	1,625	0.7	1,797
392	191	480	181	904	488	183	183	110	(2)	3,273
179	167	828	174	2	308	637	322	125	(2)	1,984
38	111	57	52	...	...	597	221	...	...	...
117	188	370	158	38	124	650	165	...	...	...
69	134	58	301	100	909	448	235	50	(2)	400
227	183	360	150	163	456	694	143	230	0.1	2,000
74	213	42	163	18	248	344	191	...	...	...
632	187	286	184	174	242	320	173	99	0.1	444
592	135	376	176	31	221	405	212	2,375	2.1	303
528	188	734	164	146	304	436	164	...	...	...
1,360	191	1,542	180	79	292	476	176	...	...	...
828	208	1,402	214	345	467	368	241	355	0.3	2,000
742	163	343	171	141	262	684	154	250	0.3	2,248
1,563	259	909	248	1,115	350	172	230	...	0.1	2,349
946	227	720	226	46	250	227	504	635	0.7	1,972
1,113	243	875	160	879	441	329	209	1,060	0.5	2,000
278	147	384	159	132	203	312	131	...	...	...
780	210	889	278	34	358	703	264	385	0.2	561
670	137	484	231	640	153	923	229	...	...	...
515	165	163	201	201	160	815	191	...	...	...
849	202	1,005	226	469	578	1,043	308	110	0.1	1,909
343	206	450	255	10	1,176	520	241	...	...	...

Table 1.—USE OF FERTILIZER FOR SPECIFIED CROPS AND USE OF

State, economic area, and county	Fertilizer								
	All crops and all pasture fertilized		Hay and cropland pasture fertilized		Other pasture fertilized		All crops fertilized except hay		
	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	
Texas—Continued									
Area 11:									
1	Aransas	25	556	...	...	...	...	25	556
2	Atascosa	2,460	128	712	117	102	139	1,647	133
3	Bee	764	118	159	76	2	114	605	140
4	De Witt	2,096	168	452	145	36	212	1,595	172
5	Frio	2,373	149	921	129	112	107	1,342	172
6	Coliad	1,067	125	407	146	12	73	640	115
7	Jim Wells	1,039	146	362	156	5	167	672	143
8	Karnes	1,590	122	428	122	131	157	1,015	118
9	Live Oak	391	113	110	104	131	131	264	117
10	Refugio	551	290	34	126	7	117	498	317
11	San Patricio	981	156	132	130	14	86	835	164
12	Wilson	3,418	134	744	159	121	122	2,550	130
13	Nueces	452	206	26	242	5	100	418	205
Metropolitan Area F:									
14	Bexar	2,573	197	1,238	242	54	79	1,277	180
Area 12:									
15	Anderson	6,808	251	1,509	293	1,044	230	4,274	249
16	Bowie	4,322	252	1,196	248	504	170	2,612	285
17	Camp	1,992	320	360	294	45	600	1,580	325
18	Cass	2,969	271	273	229	176	257	2,516	278
19	Cherokee	8,749	324	1,535	293	571	250	6,650	342
20	Franklin	1,628	260	385	209	183	336	1,053	272
21	Gregg	1,254	220	433	192	322	206	496	263
22	Harrison	3,884	263	980	277	348	381	2,548	247
23	Henderson	5,319	228	762	202	981	179	3,569	257
24	Hopkins	5,180	224	1,506	222	442	215	3,227	227
25	Houston	9,109	254	1,682	292	1,015	170	6,401	268
26	Marion	894	255	381	258	118	188	518	238
27	Morris	1,275	326	434	316	142	288	694	339
28	Neogoches	4,162	303	825	266	928	294	2,359	314
29	Panola	4,231	280	931	210	360	317	2,955	315
30	Rains	1,562	252	224	336	122	240	1,217	246
31	Red River	4,422	211	882	266	414	144	3,095	211
32	Rusk	6,008	269	1,286	275	848	280	3,880	270
33	Shelby	3,792	286	850	245	372	352	2,480	289
34	Smith	8,506	285	1,446	237	1,284	211	5,617	332
35	Titus	2,650	290	412	293	388	305	1,840	285
36	Upshur	2,000	286	472	274	234	310	1,275	277
37	Van Sandt	11,285	268	2,254	228	1,025	216	7,927	288
38	Wood	6,016	327	871	235	741	238	4,342	373
Area 13:									
39	Angelina	1,819	209	502	213	338	145	1,004	254
40	Hardin	787	280	129	250	175	175	639	289
41	Jasper	1,404	290	454	333	94	151	850	302
42	Montgomery	1,452	338	407	334	392	321	643	342
43	Newton	797	355	344	384	28	386	426	335
44	Polk	1,145	215	368	232	137	176	625	213
45	Sabine	905	265	92	226	70	206	732	273
46	San Augustine	1,898	233	225	173	76	238	1,584	241
47	San Jacinto	870	290	340	298	80	262	496	292
48	Trinity	2,148	247	410	196	72	365	1,666	257
49	Tyler	1,306	333	475	448	146	245	664	296
50	Walker	1,587	203	356	224	486	178	746	214
Area 14:									
51	Austin	2,561	237	330	253	547	231	1,673	234
52	Brazoria	11,677	202	709	285	673	226	10,293	196
53	Calhoun	1,660	201	28	204	30	71	1,591	208
54	Chambers	8,066	241	226	140	126	113	7,732	252
55	Colorado	9,355	212	441	285	342	245	8,546	209
56	Fort Bend	5,083	239	445	270	114	272	4,519	236
57	Galveston	1,102	261	184	248	104	227	814	269
58	Jackson	4,329	197	599	203	357	218	3,348	191
59	Liberty	5,826	221	463	233	48	86	5,315	223
60	Matagorda	7,883	260	164	197	148	147	7,570	266
61	Orange	792	160	174	363	15	200	604	137
62	Victoria	1,929	208	521	194	44	186	1,365	212
63	Waller	5,416	243	622	238	388	324	4,406	242
64	Wharton	7,641	181	445	208	60	176	7,031	176
Metropolitan Area G:									
65	Harris	11,464	240	1,245	219	701	282	9,445	237
Metropolitan Area H:									
66	Jefferson	10,907	220	536	256	278	166	10,068	220
Area 15:									
67	Cameron	9,116	248	494	243	134	329	8,547	245
68	Hidalgo	24,900	280	965	196	152	306	23,613	283
69	Willacy	2,133	208	78	26	...	...	2,060	290

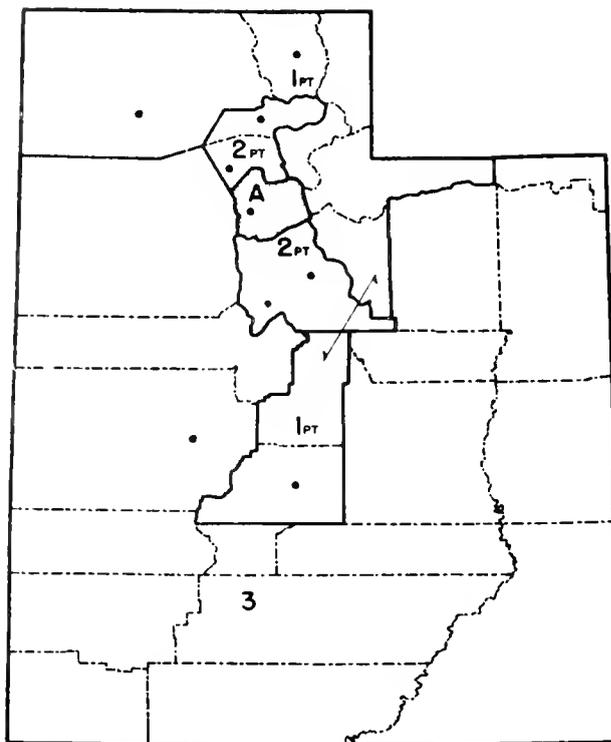
Z 0.05 percent or less.

USE OF FERTILIZER AND LIME

LIME, BY ECONOMIC AREAS AND BY COUNTIES: CENSUS OF 1954—Continued

Fertilizer—Continued								Lime		
Specified crops fertilized		Specified crops fertilized		Fruits, vegetables, and potatoes fertilized		Other crops fertilized except hay		Acres limed	Percent of total cropland plus improved pasture	Quantity used per acre (pounds)
Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)			
Corn	Corn	Cotton	Cotton							
...	...	...	...	25	556	...	...	...	...	1
188	139	148	114	534	154	777	125	...	...	2
87	125	110	141	78	95	330	163	...	...	3
782	148	298	178	129	512	386	184	50	(Z)	4
299	171	294	151	433	264	316	127	60	(Z)	5
452	103	107	166	...	...	81	157	...	...	6
11	157	84	170	389	142	188	134	...	...	7
441	113	186	138	28	175	360	111	60	(Z)	8
5	200	111	125	46	90	102	124	...	...	9
...	...	40	128	2	400	456	364	...	...	10
37	206	342	160	232	256	224	120	...	...	11
600	138	61	152	746	137	1,143	121	...	...	12
8	291	118	147	72	196	220	261	...	...	13
246	126	8	178	404	354	619	156	...	...	14
1,712	243	779	215	849	420	934	208	726	0.4	1,565
1,105	327	793	256	245	654	469	202	570	0.4	1,298
606	312	238	258	536	418	200	280	629	2.5	1,323
1,026	261	803	246	338	473	349	307	434	0.4	1,465
2,056	267	1,411	251	2,584	546	599	425	1,518	0.9	2,165
431	300	297	203	92	526	233	295	290	0.7	1,207
102	196	154	210	103	548	137	311	825	2.7	1,879
792	249	1,337	229	171	355	248	293	725	0.5	1,297
1,471	246	599	204	1,168	356	331	198	1,825	1.2	2,293
1,052	236	1,235	194	248	428	692	244	935	0.5	1,594
1,688	249	2,688	245	770	376	1,255	305	1,695	0.7	2,250
155	236	180	290	27	400	156	187	430	1.2	1,581
262	364	162	278	148	470	122	285	2,770	5.7	2,108
940	291	613	282	354	395	452	372	400	0.3	2,275
949	288	1,292	285	459	548	255	359	70	0.1	2,286
378	254	371	170	270	555	198	247	296	0.7	2,047
838	240	1,728	185	237	516	292	205	210	0.1	1,819
1,334	263	1,400	235	895	359	251	294	930	0.5	1,860
948	271	910	251	462	469	160	346	557	0.7	1,828
1,715	297	712	259	1,606	364	1,584	398	1,130	0.6	3,779
813	246	327	231	133	638	567	371	335	0.5	1,552
520	261	236	213	185	374	334	331	854	0.9	2,506
2,454	273	1,368	203	3,336	432	769	190	1,141	0.5	1,793
1,381	276	352	262	1,990	526	619	410	1,800	1.5	1,717
398	270	416	212	110	410	80	314	226	0.4	3,894
169	342	...	...	59	504	411	256	215	0.8	3,302
452	262	49	338	91	444	258	352	295	1.1	2,000
228	317	96	263	55	418	264	397	1,013	1.7	1,964
290	330	28	361	56	386	52	310	280	1.6	2,607
276	248	200	173	80	378	69	152	120	0.3	1,000
283	241	303	295	77	636	69	194	110	0.3	3,636
468	215	1,006	250	55	372	55	242	215	0.4	2,093
228	275	130	234	72	474	66	400	225	0.8	2,000
700	250	626	273	22	352	318	273	1,850	4.3	1,995
516	300	42	240	66	398	40	224	120	0.4	1,167
194	241	410	200	42	310	100	202	235	0.4	2,170
629	207	376	230	58	197	610	281	1,135	1.1	2,009
183	176	458	131	110	188	9,542	201	71	(Z)	986
30	133	564	230	5	200	992	200	...	...	52
46	190	...	...	29	439	7,657	252	505	0.3	3,339
823	201	105	199	83	494	7,535	209	140	0.1	714
393	235	1,403	217	101	323	2,622	245	85	(Z)	2,941
24	282	...	...	194	636	596	226	...	...	57
276	215	436	226	92	508	2,544	180	10	(Z)	2,000
368	228	318	243	40	335	4,589	221	1,083	0.6	2,013
119	180	399	119	1	100	7,051	...	...	...	60
8	356	...	...	20	571	576	132	170	0.6	1,118
280	169	319	242	6	267	760	221	...	...	62
1,694	234	101	159	194	270	2,417	251	560	0.6	1,786
342	167	1,822	163	66	138	4,801	183	...	...	64
1,212	232	124	189	661	443	7,448	229	2,070	0.7	1,498
2	111	...	...	31	194	10,035	221	390	0.2	2,282
143	295	5,100	210	2,900	329	404	329	400	0.1	1,400
660	239	11,833	254	10,796	326	324	287	550	0.1	1,691
11	220	1,264	232	778	496	7	165	100	(Z)	2,000

UTAH
TONS OF FERTILIZER



LEGEND
 [B] METROPOLITAN STATE ECONOMIC AREA
 [2] NONMETROPOLITAN STATE ECONOMIC AREA
 1 DOT = 2,000 TONS

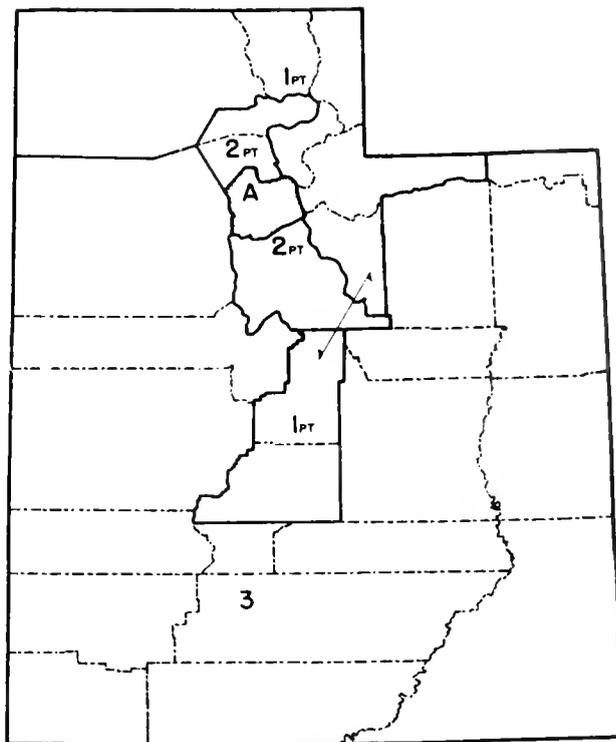
Map No. A54-470

Table 1.—USE OF FERTILIZER FOR SPECIFIED CROPS AND USE OF

State, economic area, and county	Fertilizer							
	All crops and all pasture fertilized		Hay and cropland pasture fertilized		Other pasture fertilized		All crops fertilized except hay	
	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)
1 Utah, total	21,448	258	5,976	217	659	178	14,715	282
Area 1:								
2 Box Elder	2,780	230	519	182	77	262	2,179	241
3 Cache	2,043	181	275	166	68	86	1,688	189
4 Morgan	32	234	16	296	2	267	14	185
5 Rich	8	213	8	213	...	...	...	...
6 Sanpete	384	174	201	153	20	80	152	236
7 Sevier	1,775	260	445	194	36	166	1,289	298
8 Summit	321	365	205	349	93	531	23	196
9 Wasatch	97	344	32	348	5	333	60	343
Area 2:								
10 Davis	1,086	345	205	364	30	400	851	342
11 Utah	3,304	287	712	230	49	228	2,500	301
12 Weber	1,427	318	258	238	28	135	1,128	345
Metropolitan Area A:								
13 Salt Lake	2,365	310	225	140	57	248	2,077	357
Area 3:								
14 Beaver	752	351	15	222	...	...	738	354
15 Carbon	206	177	144	170	6	250	55	184
16 Daggett	2	200	...	...	...	...	2	200
17 Duchesne	659	243	532	271	68	170	61	165
18 Emery	460	213	302	209	32	181	126	234
19 Garfield	162	153	126	146	...	...	36	185
20 Grand	74	129	35	119	18	101	20	195
21 Iron	807	358	146	213	16	267	645	427
22 Juab	14	137	5	100	...	...	9	171
23 Kane	57	189	42	160	2	200	13	456
24 Millard	1,331	293	757	323	...	...	574	258
25 Piute	42	160	22	166	...	...	22	154
26 San Juan	5	333	5	333	...	...	...	...
27 Tooele	29	264	8	291	...	...	20	242
28 Uintah	427	258	350	270	30	180	48	253
29 Washington	656	241	272	163	12	296	368	363
30 Wayne	141	206	114	316	10	61	17	107

2 0.05 percent or less.

UTAH
TONS OF LIME



LEGEND
 8 METROPOLITAN STATE ECONOMIC AREA
 2 NONMETROPOLITAN STATE ECONOMIC AREA
 1 00T = 500 TONS

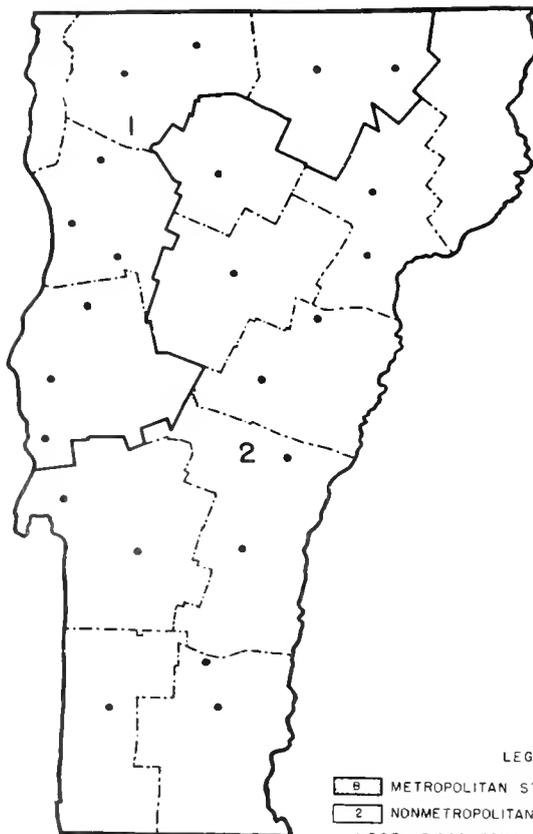
Map No. A54-471

LIME, BY ECONOMIC AREAS AND BY COUNTIES: CENSUS OF 1954—Continued

Fertilizer—Continued								Lime			
Specified crops fertilized		Specified crops fertilized		Fruits, vegetables, and potatoes fertilized		Other crops fertilized except hay		Acres limed	Percent of total cropland plus improved pasture	Quantity used per acre (pounds)	
Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)				
<i>Sugar beets</i> 5,256	<i>Sugar beets</i> 368	<i>wheat</i> 1,969	<i>wheat</i> 156	3,537	370	3,953	252	385	(C)	1,049	1
1,067	370	442	146	234	280	436	189	...	...	...	2
670	394	424	97	99	234	495	204	130	0.1	1,877	3
...	...	...	...	8	138	6	34.3	...	...	...	4
...	...	...	...	...	...	...	...	...	...	...	5
74	223	20	200	...	...	58	274	...	...	...	6
629	292	35	190	390	446	235	210	30	0.1	333	7
...	...	1	400	...	...	22	191	...	...	...	8
...	...	...	...	...	...	60	34.3	...	...	...	9
216	406	37	269	352	383	246	273	...	...	...	10
604	411	44.5	24.5	922	328	529	241	30	(C)	1,667	11
600	372	48	221	346	346	134	303	80	0.1	375	12
888	349	318	172	141	340	730	720	35	(C)	857	13
38	507	96	217	488	415	116	296	...	...	...	14
28	252	...	...	2	267	25	139	...	...	...	15
...	...	...	...	...	...	2	200	...	...	...	16
...	...	9	295	...	...	52	153	...	...	...	17
...	...	26	193	5	333	95	244	...	...	...	18
...	...	...	...	22	232	14	140	...	...	...	19
...	...	...	...	20	195	...	...	...	...	...	20
...	...	22	226	428	725	195	237	...	...	...	21
...	...	1	83	1	333	7	187	...	...	...	22
...	...	...	...	...	...	13	456	...	...	...	23
292	490	16	125	22	411	244	175	...	...	...	24
...	...	...	...	2	400	20	145	...	...	...	25
...	...	...	...	...	...	...	...	...	...	...	26
2	114	...	...	...	...	18	277	...	...	...	27
...	...	20	333	3	240	25	213	...	...	...	28
148	815	9	167	52	297	154	264	...	...	...	29
...	...	...	...	...	...	17	107	80	0.4	500	30

USE OF FERTILIZER AND LIME

VERMONT
TONS OF FERTILIZER



LEGEND

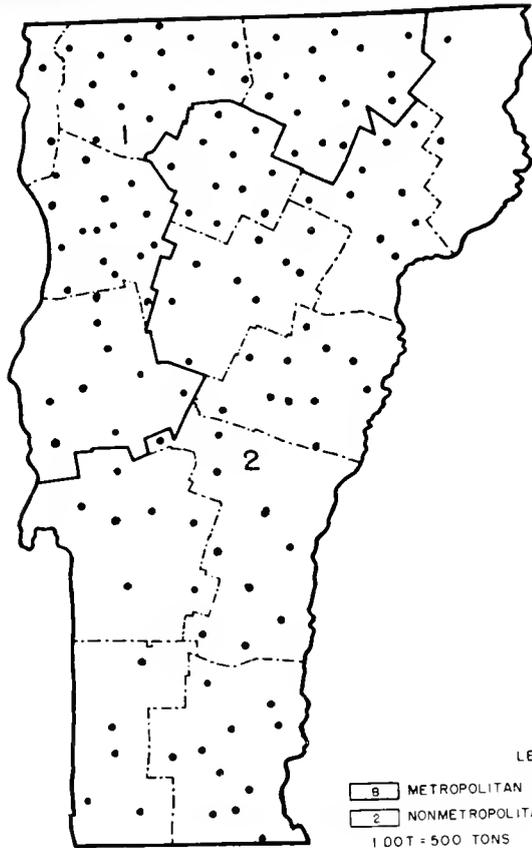
- 1 METROPOLITAN STATE ECONOMIC AREA
 - 2 NONMETROPOLITAN STATE ECONOMIC AREA
- 1 DOT = 2,000 TONS

Map No. A54-472

Table 1.—USE OF FERTILIZER FOR SPECIFIED CROPS AND USE OF

State, economic area, and county	Fertilizer							
	All crops and all pasture fertilized		Hay and cropland pasture fertilized		Other pasture fertilized		All crops fertilized except hay	
	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)
1 Vermont, total	45,688	432	26,162	401	1,995	362	16,471	512
Area 1:								
2 Addison	5,301	360	2,969	355	370	287	1,938	381
3 Chittenden	5,544	437	3,145	424	243	323	2,156	477
4 Franklin	4,672	378	2,959	368	287	294	1,426	429
5 Grand Isle	852	602	536	668	30	545	286	513
6 Orleans	4,718	477	2,354	378	200	292	2,138	716
Area 2:								
7 Bennington	2,151	363	1,108	406	217	421	826	309
8 Caledonia	3,638	512	1,921	393	321	563	1,387	900
9 Essex	595	597	256	406	44	607	292	977
10 Lamoille	2,604	456	1,345	391	374	386	885	681
11 Orange	3,199	469	1,972	427	294	442	933	606
12 Rutland	3,103	354	1,857	343	107	402	1,135	367
13 Washington	1,997	449	1,273	457	188	338	536	485
14 Windham	4,106	455	2,127	368	172	325	1,818	685
15 Windsor	3,208	537	2,340	563	148	393	715	489

VERMONT
TONS OF LIME



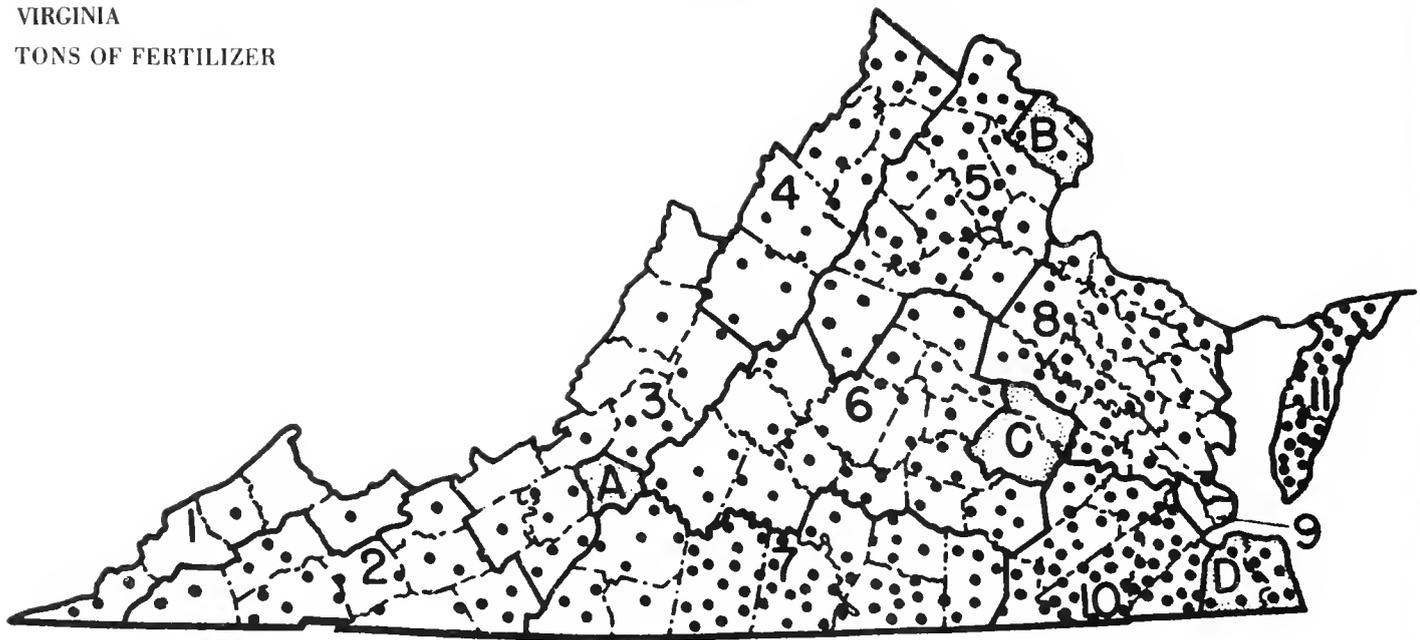
LEGEND
 1 METROPOLITAN STATE ECONOMIC AREA
 2 NONMETROPOLITAN STATE ECONOMIC AREA
 100T = 500 TONS

Map No. A54-473

LIME, BY ECONOMIC AREAS AND BY COUNTIES: CENSUS OF 1954—Continued

Fertilizer—Continued								Lime			
Specified crops fertilized		Specified crops fertilized		Fruits, vegetables, and potatoes fertilized		Other crops fertilized except hay		Acres limed	Percent of total cropland plus improved pasture	Quantity used per acre (pounds)	
Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)				
<i>Corn</i> 8,912	<i>Corn</i> 426	<i>Tobacco</i> 35	<i>Tobacco</i> 2,000	4,679	1,035	2,845	424	57,543	5.2	2,332	1
1,203	381	...	...	212	444	523	359	5,888	3.7	1,522	2
1,622	469	...	...	262	634	272	419	7,215	7.3	2,187	3
1,097	415	...	...	47	712	282	458	6,717	5.0	2,452	4
138	383	...	...	96	1,536	52	385	1,570	4.4	1,191	5
812	482	...	...	793	2,478	533	542	5,872	3.2	2,747	6
514	328	...	...	58	227	254	297	2,724	7.0	1,971	7
250	435	...	...	937	2,424	194	343	3,749	4.7	2,479	8
90	60	...	...	197	1,576	5	200	530	2.4	3,623	9
400	470	...	...	361	1,310	124	719	3,373	4.9	3,180	10
566	476	...	...	288	1,451	79	523	4,077	2.9	2,582	11
591	364	...	...	299	316	245	471	3,880	2.3	1,879	12
281	385	...	...	112	966	140	554	3,641	3.1	2,419	13
824	486	35	2,000	897	1,151	62	388	3,694	5.5	2,992	14
515	432	...	...	120	1,244	80	462	4,613	3.5	2,170	15

VIRGINIA
TONS OF FERTILIZER



LEGEND

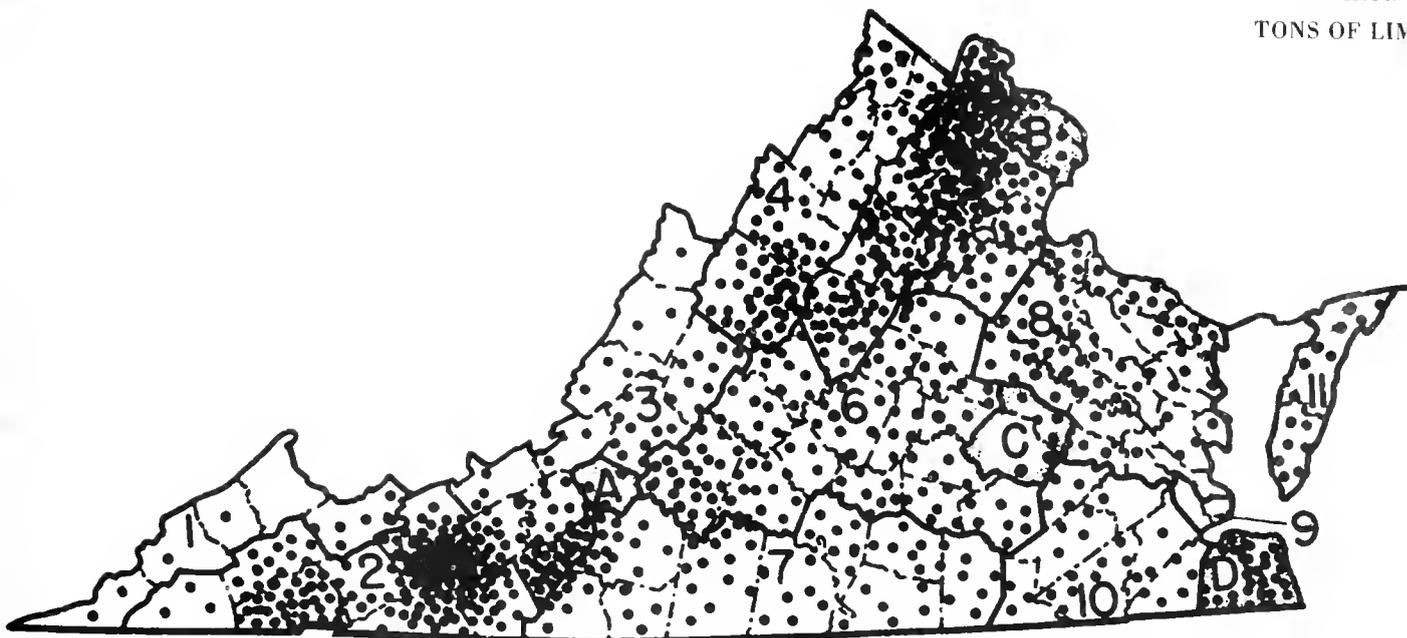
- B METROPOLITAN STATE ECONOMIC AREA
- 2 NONMETROPOLITAN STATE ECONOMIC AREA
- 1 DOT = 2,000 TONS

Map No. A54-474

Table 1.-USE OF FERTILIZER FOR SPECIFIED CROPS AND USE OF

State, economic area, and county	Fertilizer							
	All crops and all pasture fertilized		Hay and cropland pasture fertilized		Other pasture fertilized		All crops fertilized except hay	
	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)
1 Virginia, total	642,479	544	128,003	487	48,015	459	463,801	570
Area 1:								
2 Buchanan	909	347	102	268	60	178	746	400
3 Dickenson	1,071	417	323	354	42	410	705	469
4 Lee	5,042	537	971	371	438	528	3,639	616
5 Tazewell	2,908	328	695	354	556	254	1,646	349
6 Wise	625	385	210	354	29	414	380	384
Area 2:								
7 Bland	2,445	461	934	513	453	353	1,046	476
8 Bristol (city)	9	900	...	...	...	...	9	720
9 Carroll	6,694	399	3,143	397	914	307	2,594	444
10 Grayson	4,441	446	2,291	464	749	365	1,373	482
11 Russell	6,381	418	1,037	265	652	388	4,643	484
12 Scott	4,874	484	889	311	294	404	3,745	577
13 Smyth	5,267	412	1,557	446	874	291	2,802	451
14 Washington	10,698	489	1,912	486	1,279	377	7,440	509
15 Wythe	6,556	426	1,885	422	1,074	477	3,519	394
Area 3:								
16 Alleghany	660	349	302	263	95	470	261	509
17 Bath	1,261	459	568	554	224	353	461	419
18 Botetourt	5,067	513	1,715	523	1,268	631	2,055	446
19 Craig	1,072	480	372	477	138	531	552	460
20 Floyd	5,700	503	2,380	885	885	494	2,416	508
21 Giles	998	454	476	495	64	449	443	416
22 Highland	693	563	375	696	128	597	190	390
23 Montgomery	5,028	554	2,380	594	845	481	1,803	557
24 Pulaski	2,550	480	1,296	560	144	432	1,130	419
25 Rockbridge	4,406	421	1,710	481	694	479	1,991	360
26 Buena Vista (city) .....	...	...	...	...	...	...	...	...
27 Clifton Forge (city) .....	...	...	...	...	...	...	...	...
28 Radford (city)	26	217	25	217	...	...	1	200
Metropolitan Area A:								
29 Roanoke	2,474	490	1,066	469	308	548	1,099	498
30 Roanoke (city)	356	533	144	501	132	513	80	653

VIRGINIA
TONS OF LIME



LEGEND

- B METROPOLITAN STATE ECONOMIC AREA
- 2 NONMETROPOLITAN STATE ECONOMIC AREA
- 1 DOT = 500 TONS

Map No. A54-475

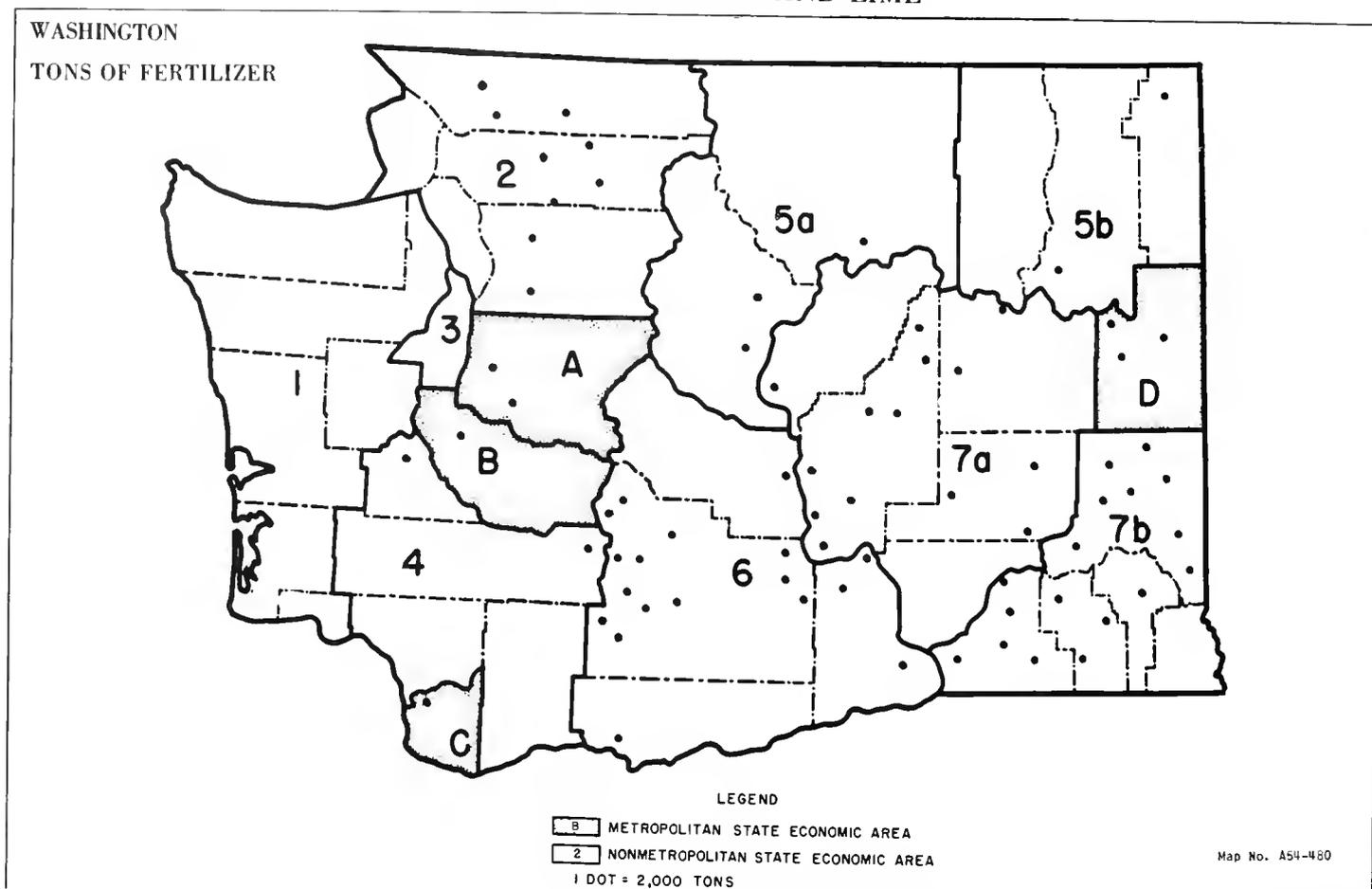
LIME, BY ECONOMIC AREAS AND BY COUNTIES: CENSUS OF 1954—Continued

Fertilizer—Continued								Lime			
Specified crops fertilized		Specified crops fertilized		Fruits, vegetables, and potatoes fertilized		Other crops fertilized except hay		Acres limed	Percent of total cropland plus improved pasture	Quantity used per acre (pounds)	
Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)				
Orns 189,187	Orns 485	Tobacco 74,566	Tobacco 1,265	3,767	928	126,281	443	332,017	6.0	2,727	1
439	300	112	2,489	182	581	13	302	...	...	...	2
475	406	58	1,657	167	585	5	400	320	1.1	2,719	3
1,594	382	1,656	1,615	227	775	162	383	495	0.8	4,990	4
1,002	333	68	1,225	96	701	480	318	2,117	2.8	2,904	5
176	342	30	1,091	169	407	5	154	930	4.1	2,258	6
705	450	30	1,500	62	1,425	249	436	3,482	10.3	3,234	7
5	667	2	800	2	800	...	...	...	...	...	8
1,568	426	28	1,244	534	616	464	367	5,830	5.4	3,602	9
956	465	140	1,217	56	605	221	377	3,618	5.8	4,386	10
2,087	359	1,666	1,566	118	619	772	306	3,194	5.0	3,763	11
1,440	352	1,787	1,454	180	727	338	365	1,090	1.9	2,679	12
1,391	412	487	1,292	298	490	626	338	2,553	4.0	4,184	13
2,945	396	2,564	1,546	255	669	1,676	326	6,482	6.0	4,174	14
2,109	387	4	400	124	658	1,282	392	9,291	12.5	5,484	15
131	459	...	...	28	1,018	102	510	1,360	8.0	3,471	16
287	437	...	...	24	923	150	360	731	3.5	2,468	17
869	473	...	...	490	430	696	426	2,501	4.7	4,078	18
273	461	...	...	35	1,000	244	426	1,005	3.7	2,279	19
1,402	536	62	1,378	230	652	722	414	6,975	8.5	3,567	20
344	408	...	...	12	400	87	452	2,915	8.2	1,259	21
86	362	...	...	17	708	87	385	605	3.1	3,736	22
1,156	560	14	1,400	62	775	571	527	3,325	5.2	3,296	23
672	459	...	...	36	960	422	353	3,576	6.4	3,030	24
840	365	1	400	26	981	1,124	352	2,897	4.1	3,482	25
...	...	...	...	...	...	...	...	...	...	...	26
...	...	...	...	...	...	...	...	...	...	...	27
1	200	...	...	...	...	...	...	...	...	...	28
496	754	...	...	377	366	226	435	1,930	5.1	2,347	29
29	387	...	...	...	...	51	1,074	350	10.7	1,285	30

USE OF FERTILIZER AND LIME

LIME, BY ECONOMIC AREAS AND BY COUNTIES: CENSUS OF 1954—Continued

Fertilizer—Continued								Lime		
Specified crops fertilized		Specified crops fertilized		Fruits, vegetables, and potatoes fertilized		Other crops fertilized except hay		Acres limed	Percent of total cropland plus improved pasture	Quantity used per acre (pounds)
Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)			
Corn	Corn	Tobacco	Tobacco							
2,635	354	...	...	252	307	3,513	376	10,499	7.5	3,397
771	299	...	...	856	428	758	353	2,220	4.6	3,100
941	347	...	...	1,706	334	815	330	2,747	3.3	3,073
876	348	...	...	17	1,700	1,403	418	1,330	2.7	3,008
2,191	397	...	...	276	404	3,526	374	5,282	3.9	3,159
1,230	327	...	...	888	582	2,172	371	1,380	1.9	3,674
488	409	...	...	407	197	307	384	1,968	6.3	2,684
...	...	...	...	...	...	...	...	...	...	8
23	697	...	...	16	561	26	486	175	11.7	46
...	...	...	...	...	...	...	...	...	...	10
...	...	...	...	...	...	...	...	80	5.4	160
1,728	497	...	...	603	253	1,098	476	9,426	9.4	2,395
3,082	489	...	...	180	940	2,491	482	9,545	10.5	2,632
3,294	373	...	...	84	491	2,694	403	17,963	11.2	3,218
545	452	...	...	14	1,333	389	366	935	4.4	2,973
4,170	333	...	...	540	788	3,940	423	23,492	12.7	2,145
1,434	397	...	...	144	196	1,396	424	5,917	10.3	2,941
1,727	433	...	...	7	1,400	1,286	430	5,494	9.6	2,974
1,279	429	...	...	18	923	670	406	5,084	11.6	2,542
542	421	...	...	346	274	428	258	5,238	11.7	1,918
1,350	490	5	2,000	30	706	1,133	466	2,683	5.7	2,770
944	443	...	...	50	667	534	420	2,408	8.2	3,196
...	...	...	...	...	...	10	4,000	...	...	23
...	...	...	...	...	...	...	...	...	...	24
890	485	...	...	173	665	428	464	3,435	7.6	2,565
...	...	...	...	...	...	...	...	...	...	27
...	...	...	...	...	...	...	...	...	...	28
1,100	421	787	1,101	57	1,065	1,651	444	1,501	3.2	2,762
378	300	197	667	199	311	154	293	2,527	7.0	3,023
1,113	297	622	913	60	656	655	316	1,832	4.1	1,989
1,712	392	388	1,062	339	1,137	708	601	6,865	6.0	3,539
1,340	371	524	1,083	58	535	722	338	2,409	5.0	3,230
2,294	368	1,766	1,206	269	670	1,222	355	3,086	3.6	3,208
1,512	512	914	1,350	53	922	684	405	1,710	4.1	2,865
3,170	505	2,472	1,281	238	844	1,760	487	3,960	6.9	1,403
736	467	34	1,360	57	809	537	434	2,132	6.5	3,846
1,212	511	107	941	136	928	880	423	2,029	5.4	3,398
1,408	433	447	1,365	68	824	1,502	418	2,415	4.0	2,733
638	377	115	772	406	292	173	333	2,376	5.5	3,213
1,064	470	1,196	1,195	135	844	629	466	1,790	4.6	3,308
688	411	130	1,244	122	1,021	471	437	1,055	3.6	3,075
1,762	467	1,392	1,232	124	372	1,072	425	2,210	4.4	3,072
...	...	...	...	...	...	...	...	...	...	44
4	320	...	...	...	...	1	400	...	...	45
776	468	308	1,521	164	772	404	392	1,226	5.0	1,610
922	462	4	2,143	49	460	1,199	428	1,463	5.4	2,802
...	...	...	...	...	...	15	1,500	...	...	48
...	...	...	...	...	...	...	...	...	...	49
3,397	471	5,364	1,360	528	858	1,618	548	2,932	4.0	2,319
1,906	439	3,316	1,192	164	726	813	419	2,452	3.4	2,887
2,023	429	1,985	1,303	452	438	1,234	382	3,535	3.7	3,878
4,718	380	11,652	1,222	458	728	402	402	3,295	2.1	2,270
51	422	752	969	89	727	52	392	1,198	2.9	2,985
2,169	447	3,944	1,230	202	816	453	522	1,575	2.5	2,102
4,478	423	8,480	1,134	553	841	2,053	486	2,267	1.8	2,723
1,544	386	1,646	1,312	432	554	188	353	1,954	3.6	3,689
6,269	405	15,199	1,313	887	807	2,488	398	6,797	3.5	1,860
...	...	...	...	...	...	...	...	...	...	59
18	514	...	...	15	1,000	15	316	...	...	60
1,806	458	360	2,028	242	855	2,201	408	4,969	10.5	1,983
1,266	601	3	857	22	587	1,484	483	657	3.5	3,230
1,500	484	8	941	137	828	1,212	369	2,484	6.2	1,837
1,294	555	...	...	48	600	829	446	1,843	9.0	1,680
2,124	432	194	1,315	964	791	3,223	401	3,867	6.0	2,212
682	473	...	...	322	1,063	356	317	620	4.7	2,342
1,559	445	21	1,556	816	703	1,484	340	4,655	16.2	1,132
66	349	...	...	50	769	905	399	2,296	7.9	2,112
1,551	424	8	800	154	583	1,094	373	2,627	8.4	1,880
822</										



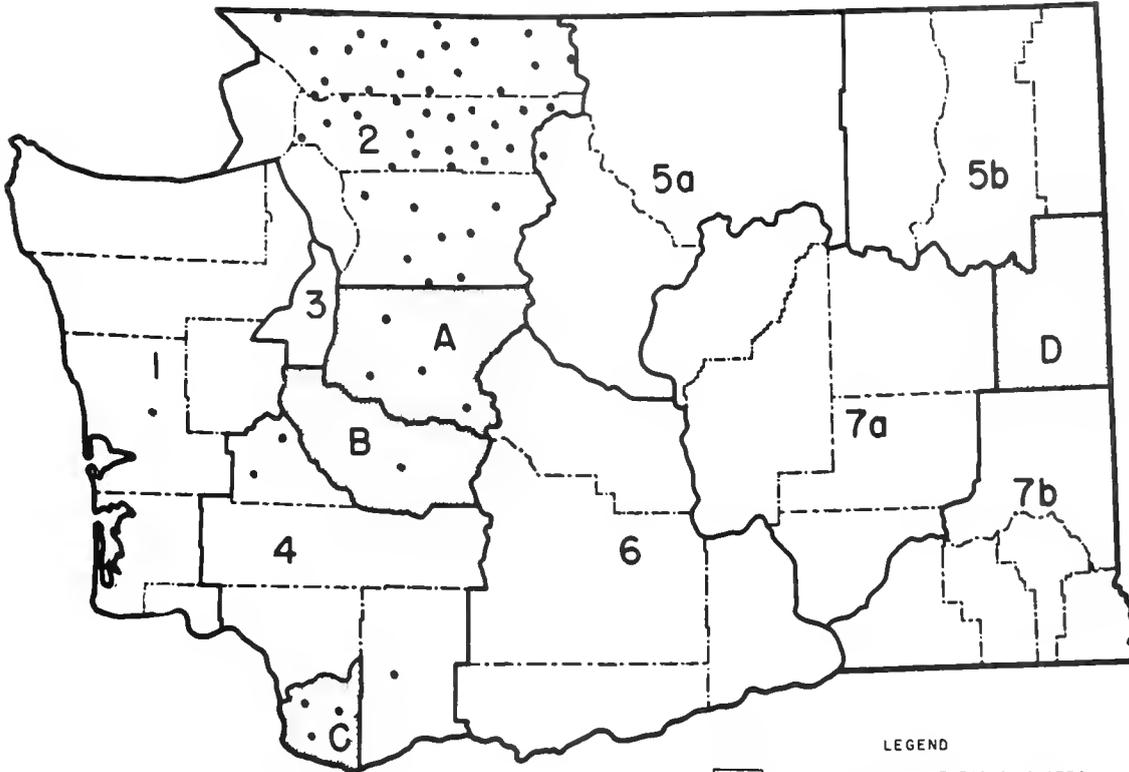
Map No. A54-480

Table 1.—USE OF FERTILIZER FOR SPECIFIED CROPS AND USE OF

State, economic area, and county	Fertilizer							
	All crops and all pasture fertilized		Hay and cropland pasture fertilized		Other pasture fertilized		All crops fertilized except hay	
	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)
1 Washington, total	156,390	176	21,492	224	2,670	214	131,494	168
2 Area 1:								
3 Clallam	403	222	328	225	49	159	25	476
4 Grays Harbor	664	250	429	273	84	209	150	217
5 Jefferson	75	186	64	172	...	...	11	355
6 Mason	151	233	104	226	27	220	20	320
7 Pacific	147	202	100	180	...	...	47	270
8 Wahkiakum	170	379	48	259	8	100	116	632
9 Area 2:								
10 Island	448	261	250	227	...	...	198	322
11 San Juan	182	325	136	351	18	330	28	238
12 Skagit	7,306	352	1,965	254	34	439	5,286	405
13 Snohomish	3,806	398	1,650	324	24	281	2,140	488
14 Whatcom	6,540	375	3,138	271	42	255	3,326	593
15 Area 3:								
16 Kitsap	730	642	116	181	12	192	591	1,351
17 Metropolitan Area A:								
18 King	4,642	721	969	299	192	292	3,449	1,341
19 Metropolitan Area B:								
20 Pierce	2,748	526	461	202	58	189	2,171	833
21 Area 4:								
22 Cowlitz	198	227	83	159	7	97	108	389
23 Lewis	1,930	205	853	200	153	187	924	215
24 Skamania	70	248	30	182	1	100	39	355
25 Thurston	1,305	303	458	215	419	564	426	299
26 Metropolitan Area C:								
27 Clark	2,140	297	586	188	157	211	1,391	416
28 Area 5a:								
29 Chelan	4,940	389	122	171	13	120	4,805	404
30 Okanogan	2,998	285	597	238	200	298	2,188	298
31 Area 5b:								
32 Ferry	101	122	58	165	2	100	41	89
33 Pend Oreille	1,025	185	124	141	10	100	890	195
34 Stevens	1,222	140	398	167	15	176	809	131

2 0.05 percent or less.

WASHINGTON
TONS OF LIME



LEGEND

- 8 METROPOLITAN STATE ECONOMIC AREA
 - 2 NONMETROPOLITAN STATE ECONOMIC AREA
- 1 000 = 500 TONS

Map No. A54-481

LIME, BY ECONOMIC AREAS AND BY COUNTIES: CENSUS OF 1954—Continued

Fertilizer—Continued								Lime			
Specified crops fertilized		Specified crops fertilized		Fruits, vegetables, and potatoes fertilized		Other crops fertilized except hay		Acres limed	Percent of total cropland plus improved pasture	Quantity used per acre (pounds)	
Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)				
Wheat 44,128	Wheat 91	Oats 4,510	Oats 157	42,180	423	40,676	237	25,451	0.3	2,388	1
...	...	3	200	12	369	10	2,000	230	0.7	1,043	2
...	...	26	143	115	217	9	327	385	0.8	1,377	3
...	...	...	...	3	188	8	533	50	0.5	600	4
...	...	3	92	17	367	...	...	55	0.6	545	5
...	...	1	200	28	224	18	409	110	0.5	3,000	6
...	...	6	444	104	756	6	185	10	0.1	5,000	7
46	292	38	245	79	400	35	333	110	0.5	2,727	8
16	221	10	235	2	800	...	...	5	(2)	2,000	9
102	208	214	155	4,200	428	770	561	4,853	5.4	4,006	10
...	...	76	262	1,954	519	110	336	3,500	4.0	2,300	11
117	384	608	286	2,455	889	146	348	8,145	6.9	2,357	12
...	...	1	200	452	1,329	138	1,492	220	1.6	1,955	13
...	...	6	300	2,760	1,252	683	1,971	1,425	1.9	2,912	14
...	...	31	376	1,924	906	216	540	900	1.7	1,422	15
...	...	...	...	47	522	61	325	45	0.1	1,556	16
97	131	376	163	285	435	166	273	2,095	2.0	191	17
...	...	...	...	39	355	...	...	135	2.3	3,704	18
20	211	162	218	168	407	76	433	1,175	2.3	2,474	19
18	164	204	137	792	647	377	736	1,002	1.0	2,962	20
20	72	1	100	4,776	413	8	291	830	1.4	843	21
91	71	30	550	2,011	347	56	284	...	...	...	22
38	87	1	80	1	125	1	200	...	...	...	23
138	181	702	200	...	...	50	171	1	(2)	2,000	24
446	132	171	118	10	308	182	136	...	...	...	25

USE OF FERTILIZER AND LIME

Table 1.—USE OF FERTILIZER FOR SPECIFIED CROPS AND USE OF

State, economic area, and county	Fertilizer							
	All crops and all pasture fertilized		Hay and cropland pasture fertilized		Other pasture fertilized		All crops fertilized except hay	
	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)
Washington—Continued								
Area 6:								
1 Benton	6,733	239	447	243	74	290	6,215	238
2 Kittitas	2,668	214	1,305	243	72	115	1,315	199
3 Klickitat	2,947	140	1,290	148	90	140	1,582	133
4 Yakima	25,360	371	2,270	284	330	155	22,647	393
Area 7a:								
5 Adams	5,254	80	118	198	66	249	5,006	77
6 Douglas	1,883	146	52	308	1	200	1,817	143
7 Franklin	3,862	79	140	245	111	290	3,609	75
8 Grant	16,076	369	676	278	95	184	15,162	368
9 Lincoln	3,803	62	226	218	12	122	3,543	59
Area 7b:								
10 Asotin	622	120	11	122	2	400	603	119
11 Columbia	6,976	131	102	186	21	150	6,832	129
12 Garfield	2,701	96	49	137	18	277	2,633	96
13 Walla Walla	10,361	90	466	106	91	200	9,800	89
14 Whitman	16,618	115	505	153	104	134	15,902	113
Metropolitan Area D:								
15 Spokane	6,585	131	768	157	58	141	5,649	123

Z 0.05 percent or less.

LIME, BY ECONOMIC AREAS AND BY COUNTIES: CENSUS OF 1954—Continued

Fertilizer—Continued								Lime		
Specified crops fertilized		Specified crops fertilized		Fruits, vegetables, and potatoes fertilized		Other crops fertilized except hay		Acres limed	Percent of total cropland plus improved pasture	Quantity used per acre (pounds)
Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)			
Wheat	Wheat	Oats	Oats							
998	98	34	219	2,150	469	3,033	270	...	...	...
252	127	324	158	391	273	348	305	...	...	...
1,277	125	30	75	192	376	83	107	...	...	...
272	130	58	527	10,179	354	12,138	455	65	(5)	2,000
3,584	66	49	222	45	720	1,328	127	...	...	...
588	69	16	44	1,159	377	54	78	...	...	...
2,608	64	26	62	38	415	937	133	...	...	...
2,398	140	129	298	3,500	760	9,135	481	...	...	...
3,159	59	88	58	...	...	296	52	...	...	...
468	115	7	136	26	242	102	121	102	0.1	333
5,222	141	33	125	374	104	703	98	3	(5)	667
1,990	97	28	235	17	76	598	90	...	...	...
6,484	73	120	183	1,090	216	2,106	136	...	...	...
10,773	109	359	112	20	276	4,750	123	...	...	...
2,906	110	539	113	265	375	1,939	140	...	...	...

WEST VIRGINIA

TONS OF FERTILIZER

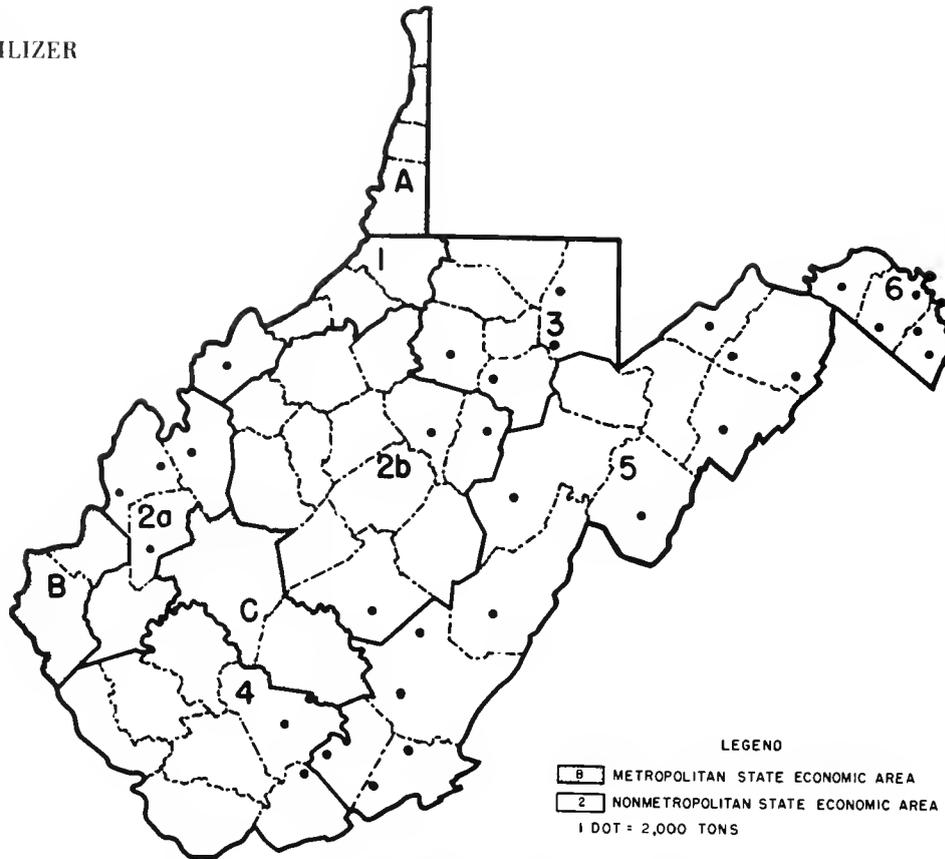
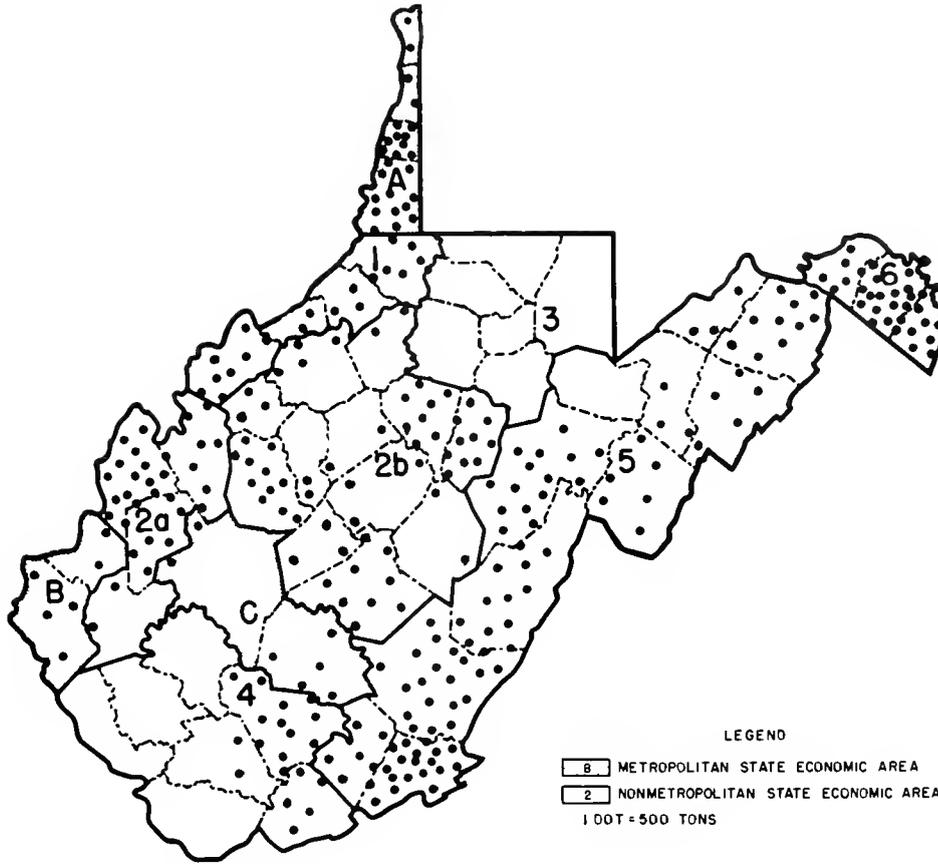


Table 1.—USE OF FERTILIZER FOR SPECIFIED CROPS AND USE OF

State, economic area, and county	Fertilizer							
	All crops and all pasture fertilized		Hay and cropland pasture fertilized		Other pasture fertilized		All crops fertilized except hay	
	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)
1 West Virginia, total	67,858	369	17,960	373	4,966	338	44,511	366
Area 1:								
2 Pleasants	583	610	179	523	8	800	397	656
3 Tyler	438	360	154	460	28	350	255	318
4 Wetzel	263	339	141	515	12	400	114	238
5 Wood	1,420	359	529	366	48	417	852	352
Metropolitan Area A:								
6 Brooke	459	596	234	704	70	966	154	422
7 Hancock	280	362	62	388	...	...	213	342
8 Marshall	731	321	230	388	32	674	461	287
9 Ohio	860	398	412	428	46	575	392	359
Area 2a:								
10 Jackson	1,663	410	730	447	242	271	692	448
11 Lincoln	823	534	84	329	1	200	734	562
12 Mason	3,544	346	880	355	481	252	2,185	370
13 Putnam	1,296	424	508	363	90	522	698	476
Metropolitan Area B:								
14 Cabell	643	498	134	447	5	118	492	506
15 Wayne	936	298	366	281	4	200	566	306
Area 2b:								
16 Braxton	789	361	258	310	16	128	513	404
17 Calhoun	271	282	178	320	6	200	86	229
18 Clay	216	275	44	352	19	217	150	264
19 Doddridge	140	382	86	343	8	1,067	47	433
20 Gilmer	719	416	246	477	315	406	158	344
21 Lewis	1,194	416	624	415	109	321	454	426
22 Nicholas	1,555	387	332	302	37	251	1,173	425
23 Ritchie	623	391	352	381	43	351	223	402
24 Roane	726	331	427	399	26	56	268	394
25 Upshur	1,890	428	658	361	198	251	1,000	532
26 Webster	496	439	80	476	...	...	414	424
27 Wirt	406	540	177	492	56	457	167	619
Area 3:								
28 Barbour	1,482	400	334	390	50	157	1,081	413
29 Harrison	1,173	452	824	457	38	353	251	438
30 Marion	848	449	369	330	191	888	286	491
31 Monongalia	749	410	296	388	63	274	380	453
32 Preston	3,592	348	774	299	289	327	2,464	368
33 Taylor	422	441	184	454	3	200	235	436

WEST VIRGINIA
TONS OF LIME



Map No. A54-477

LIME, BY ECONOMIC AREAS AND BY COUNTIES: CENSUS OF 1954—Continued

Fertilizer—Continued								Lime			
Specified crops fertilized		Specified crops fertilized		Fruits, vegetables, and potatoes fertilized		Other crops fertilized except hay		Acres limed	Percent of total cropland plus improved pasture	Quantity used per acre (pounds)	
Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)				
Corn 20,586	Corn 350	Wheat 6,164	Wheat 335	7,839	410	9,922	394	102,090	4.9	3,456	1
356	738	10	286	20	364	11	338	915	6.8	2,022	2
154	258	21	420	48	711	32	366	950	3.2	3,295	3
66	198	8	533	28	327	12	267	1,235	2.6	4,850	4
567	331	104	330	87	600	94	376	2,725	5.4	2,910	5
72	457	28	415	8	533	46	368	535	4.4	4,561	6
94	362	37	290	4	267	78	355	710	7.3	3,239	7
274	235	82	475	53	461	52	335	3,380	7.5	3,417	8
192	332	76	385	16	711	108	366	2,285	8.7	4,004	9
474	393	56	659	32	533	130	681	2,529	3.2	3,137	10
140	208	...	...	81	426	513	1,159	715	1.9	2,643	11
1,438	334	199	299	138	331	410	808	3,540	4.0	4,111	12
290	312	48	320	46	391	314	1,163	1,940	5.2	3,119	13
176	345	...	...	78	411	238	873	320	1.1	5,438	14
403	277	...	...	119	361	44	698	1,535	3.7	2,638	15
330	382	10	400	129	500	44	359	1,035	2.1	3,300	16
49	200	1	400	34	283	2	267	515	2.0	4,097	17
92	226	...	...	54	360	4	400	1,255	5.9	2,024	18
18	300	...	...	24	623	5	500	490	1.4	3,527	19
102	328	...	...	50	356	6	800	1,019	2.6	2,153	20
330	427	27	292	86	489	11	440	2,341	5.9	3,528	21
551	412	114	356	315	606	193	333	2,560	6.1	3,590	22
131	382	...	...	84	532	8	148	1,501	4.4	2,652	23
149	384	...	704	53	272	22	629	2,760	4.2	4,278	24
588	590	58	414	160	538	194	434	2,844	8.5	3,409	25
231	370	5	2,000	170	515	8	400	1,165	5.7	2,060	26
103	528	5	400	36	1,029	23	836	905	4.7	2,972	27
548	422	62	343	208	480	263	373	2,728	4.8	3,807	28
162	456	24	300	46	541	19	362	2,785	6.3	3,690	29
134	425	42	560	56	498	54	675	1,660	4.5	2,946	30
198	406	46	430	110	688	66	362	2,872	7.0	3,308	31
895	384	318	309	235	832	1,016	333	3,697	4.9	3,115	32
116	415	12	436	72	505	35	389	2,100	8.9	2,890	33

USE OF FERTILIZER AND LIME

Table 1.—USE OF FERTILIZER FOR SPECIFIED CROPS AND USE OF

State, economic area, and county	Fertilizer							
	All crops and all pasture fertilized		Hay and cropland pasture fertilized		Other pasture fertilized		All crops fertilized except hay	
	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)
West Virginia—Continued								
Area 4:								
1 Boone	167	336	18	248	3	300	144	344
2 Logan	123	324	1	200	1	400	118	317
3 McDowell	97	351	11	440	...	...	85	335
4 Mercer	1,280	333	244	259	41	373	971	350
5 Mingo	88	214	4	267	2	267	83	218
6 Raleigh	1,111	365	229	300	26	200	852	403
7 Wyoming	478	297	81	230	...	...	395	313
Metropolitan Area C:								
8 Fayette	840	329	141	338	130	406	561	304
9 Kanawha	454	381	154	422	1	200	295	360
Area 5:								
10 Grant	941	337	340	430	30	400	571	292
11 Greenbrier	3,764	405	640	388	367	364	2,735	408
12 Hampshire	3,839	375	543	367	246	451	3,056	370
13 Hardy	1,605	326	277	323	176	343	1,167	330
14 Mineral	1,125	364	261	448	66	302	796	345
15 Monroe	3,355	384	809	430	328	386	2,194	365
16 Pendleton	1,239	323	347	372	161	351	726	296
17 Pocahontas	1,764	376	356	318	224	335	1,185	402
18 Randolph	1,565	415	406	285	97	447	1,059	489
19 Summers	1,412	333	192	371	27	540	1,172	327
20 Tucker	754	447	132	388	30	414	580	453
Area 6:								
21 Berkeley	4,467	396	784	380	246	334	3,386	343
22 Jefferson	4,516	302	944	362	130	464	3,386	280
23 Morgan	1,644	356	100	500	100	580	1,439	336

USE OF FERTILIZER AND LIME

LIME, BY ECONOMIC AREAS AND BY COUNTIES: CENSUS OF 1954—Continued

Fertilizer—Continued								Lime		
Specified crops fertilized		Specified crops fertilized		Fruits, vegetables, and potatoes fertilized		Other crops fertilized except hay		Acres limed	Percent of total cropland plus improved pasture	Quantity used per acre (pounds)
Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)			
Corn	Corn	Wheat	Wheat							
46	186	...	...	48	364	50	1,250	150	2.2	2,533
64	227	...	...	34	544	20	727	65	0.7	4,000
42	418	...	...	39	305	4	160	65	0.7	769
515	323	52	594	240	444	164	295	1,590	3.6	3,365
49	200	...	...	34	251	...	...	10	0.1	6,000
347	365	12	209	292	535	201	360	4,290	10.5	2,510
243	273	...	...	128	404	24	436	657	3.0	3,014
260	278	20	308	181	381	100	272	2,370	9.1	5,241
146	307	4	200	124	443	21	467	305	1.1	5,279
231	276	176	274	29	734	135	309	772	2.4	4,311
1,314	395	675	390	193	558	553	427	5,119	6.9	3,551
853	350	467	382	1,079	337	657	473	2,346	3.6	4,348
602	322	301	318	42	694	222	335	1,918	5.0	2,682
326	325	119	290	179	514	172	313	952	3.4	3,634
1,180	389	624	341	56	356	334	335	5,238	7.9	3,676
340	290	241	298	22	478	123	290	1,449	3.7	4,312
573	468	163	402	139	329	310	347	2,448	6.7	5,244
490	470	24	294	289	781	256	381	4,520	9.3	3,284
550	325	220	330	143	433	259	284	1,500	4.7	3,905
248	454	16	267	114	844	202	375	1,150	6.3	3,743
1,091	326	507	293	732	438	1,056	339	3,450	4.9	4,783
1,274	281	806	285	554	240	752	309	2,450	3.2	3,057
419	362	300	390	468	287	252	350	1,730	7.7	3,584

USE OF FERTILIZER AND LIME

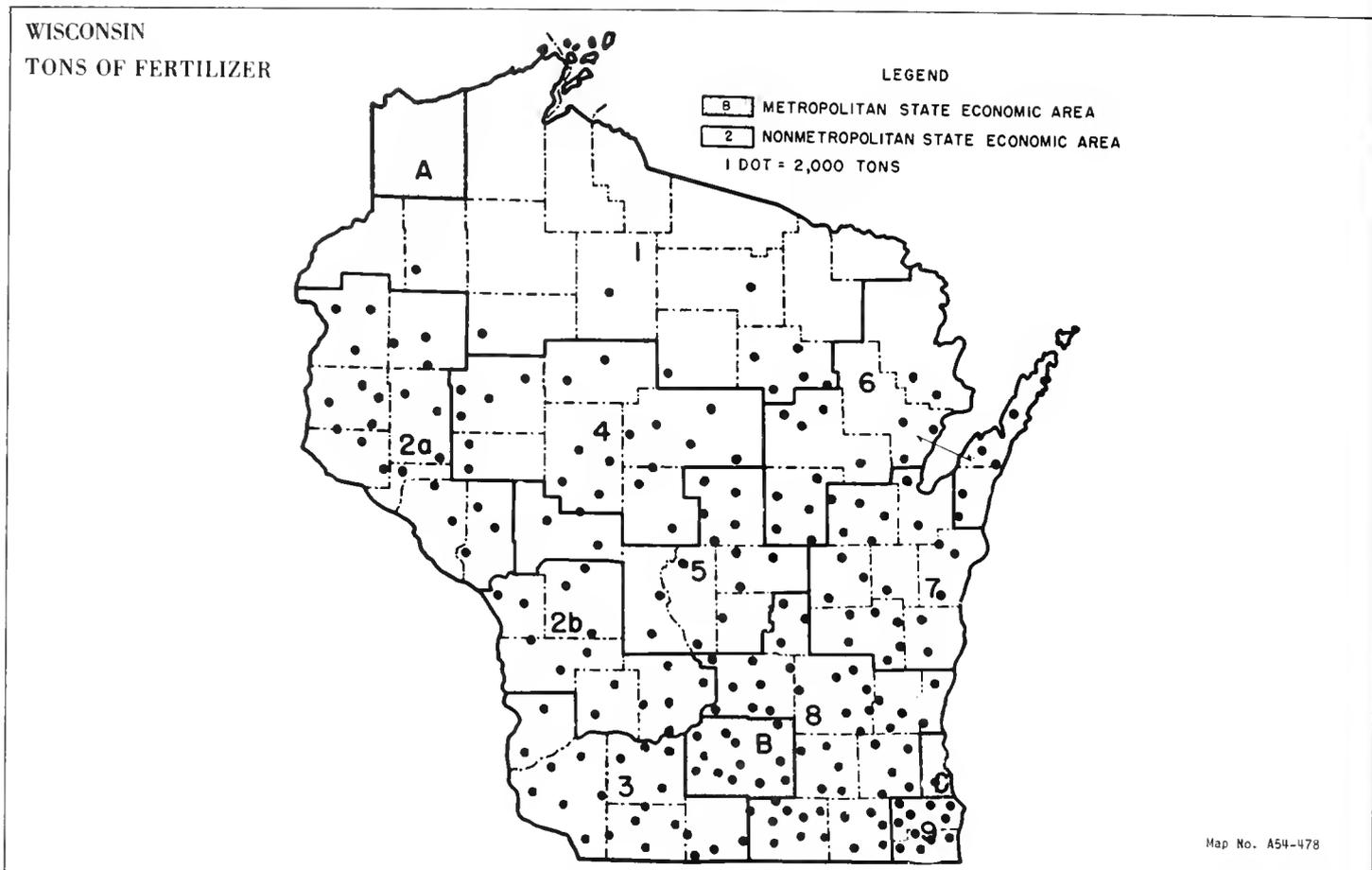
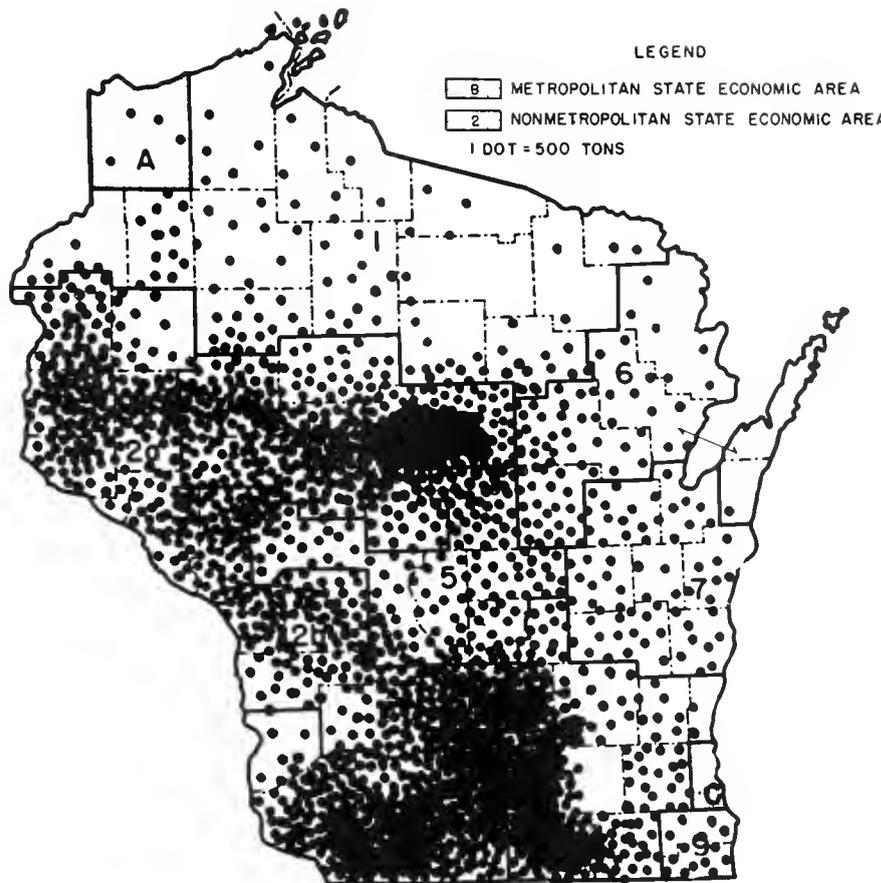


Table I.—USE OF FERTILIZER FOR SPECIFIED CROPS AND USE OF

State, economic area, and county	Fertilizer							
	All crops and all pasture fertilized		Hay and cropland pasture fertilized		Other pasture fertilized		All crops fertilized except hay	
	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)
1 Wisconsin, total	432,659	224	32,909	257	4,854	261	393,394	219
Area 1:								
2 Ashland	434	282	98	392	22	367	315	256
3 Bayfield	583	258	42	202	4	229	537	263
4 Burnett	976	178	82	269	16	320	872	168
5 Florence	296	304	48	267	...	...	248	312
6 Forest	383	295	105	259	12	300	266	312
7 Iron	388	419	22	183	...	...	366	455
8 Langlade	10,070	583	430	257	12	145	9,583	618
9 Lincoln	2,058	238	142	257	24	253	1,893	236
10 Oneida	2,110	582	118	436	...	...	1,986	593
11 Price	1,262	332	172	290	18	379	1,062	336
12 Rusk	2,114	223	124	225	32	291	1,917	221
13 Sawyer	603	248	61	301	4	533	538	242
14 Vilas	205	308	87	260	...	...	118	358
15 Washburn	2,179	296	223	225	19	271	1,921	300
Metropolitan Area A:								
16 Douglas	536	306	172	271	18	160	341	338
Area 2a:								
17 Barron	6,766	208	386	249	70	292	6,309	206
18 Buffalo	4,766	209	392	262	76	180	4,299	203
19 Dunn	6,386	195	331	252	28	238	6,044	193
20 Pepin	1,522	180	76	196	60	171	1,424	184
21 Pierce	4,750	160	167	218	39	284	4,544	158
22 Polk	5,834	184	295	221	55	237	5,440	178
23 St. Croix	9,290	178	366	244	31	185	8,844	174
24 Trempealeau	6,308	220	476	304	84	287	5,745	215
Area 2b:								
25 La Crosse	3,973	220	101	292	46	329	3,825	216
26 Monroe	6,401	217	532	281	182	210	5,679	212
27 Richland	4,973	224	310	241	151	300	4,499	218
28 Sauk	9,169	195	388	278	176	287	8,528	188
29 Vernon	6,580	258	226	240	106	339	6,107	251
Area 3:								
30 Crawford	3,385	208	148	285	50	308	3,166	201
31 Grant	11,751	195	770	389	263	307	10,723	185
32 Green	8,111	177	688	224	289	290	7,133	170
33 Iowa	8,224	193	438	270	280	234	7,619	188
34 Lafayette	9,274	185	374	274	232	253	8,664	179

WISCONSIN
TONS OF LIME



Map No. A54-479

LIME, BY ECONOMIC AREAS AND BY COUNTIES: CENSUS OF 1954—Continued

Fertilizer—Continued								Lime			
Specified crops fertilized		Specified crops fertilized		Fruits, vegetables, and potatoes fertilized		Other crops fertilized except hay		Acres limed	Percent of total cropland plus improved pasture	Quantity used per acre (pounds)	
Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)				
Corn 206,505	Corn 199	Oats 125,610	Oats 206	43,410	495	17,869	296	515,151	4.0	3,870	1
43	257	252	253	10	1,000	10	182	1,350	3.0	4,622	2
75	240	328	258	84	326	50	250	1,627	2.3	3,544	3
631	158	211	197	15	265	15	240	1,245	1.8	4,498	4
86	341	140	273	12	686	10	800	700	4.3	3,329	5
42	280	204	308	14	583	6	387	715	3.2	3,021	6
2	100	134	253	172	1,042	58	644	355	3.0	4,535	7
726	312	1,821	290	6,926	1,076	110	239	3,301	3.4	3,621	8
575	245	1,195	234	13	200	110	224	3,000	3.8	4,110	9
48	324	284	209	1,640	914	14	280	621	1.9	3,005	10
443	294	580	381	3	200	36	306	2,905	4.8	3,976	11
1,149	208	684	248	30	261	54	200	4,395	4.3	4,027	12
228	200	281	284	...	...	29	305	1,861	5.1	4,614	13
15	286	48	282	...	...	55	512	1,000	13.1	3,680	14
861	208	332	202	694	1,405	34	249	2,820	4.0	4,220	15
12	137	288	333	13	473	28	982	767	1.2	4,772	16
3,905	200	2,230	215	50	253	124	251	16,895	6.8	4,066	17
2,913	206	1,286	202	18	180	82	141	7,180	3.9	4,476	18
4,096	179	1,833	229	72	410	43	122	13,150	4.7	3,501	19
794	166	360	183	218	276	52	277	1,840	2.5	4,582	20
3,404	159	1,050	159	10	182	80	134	6,645	3.3	4,212	21
3,894	170	1,384	199	28	204	134	231	7,420	3.4	5,478	22
5,400	170	2,792	171	362	390	290	170	13,360	4.7	3,946	23
3,456	204	1,719	209	93	177	477	449	10,048	3.9	4,011	24
2,296	205	1,252	222	31	564	246	323	7,975	6.7	3,935	25
3,174	193	2,209	211	472	85	607	607	13,075	6.2	3,023	26
2,928	206	1,448	236	5	2,000	118	403	4,310	2.7	4,281	27
5,145	182	2,991	195	230	212	162	223	12,697	5.0	4,801	28
3,524	218	1,453	229	22	326	1,108	633	9,225	4.0	2,920	29
2,171	189	748	199	6	300	241	531	2,635	1.9	2,698	30
7,834	184	2,784	183	51	249	54	322	20,705	5.7	4,388	31
4,728	168	2,352	173	13	1,040	40	314	10,242	3.8	4,776	32
4,970	186	2,212	182	327	272	110	251	11,280	5.0	5,721	33
6,108	173	2,374	198	...	...	182	177	14,752	5.9	6,178	34

USE OF FERTILIZER AND LIME

Table 1.-USE OF FERTILIZER FOR SPECIFIED CROPS AND USE OF

State, economic area, and county	Fertilizer							
	All crops and all pasture fertilized		Hay and cropland pasture fertilized		Other pasture fertilized		All crops fertilized except hay	
	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)
Wisconsin--Continued								
Area 4:								
1 Chippewa	7,551	196	551	213	58	172	6,946	196
2 Clark	9,850	216	507	187	88	232	9,080	211
3 Eau Claire	3,631	217	242	211	46	329	3,346	215
4 Marathon	12,841	233	1,295	227	153	171	11,411	236
5 Taylor	3,758	267	276	360	46	347	3,402	259
6 Wood	4,480	211	316	314	29	181	4,059	200
Area 5:								
7 Adams	3,098	226	386	262	26	416	2,686	221
8 Jackson	4,058	204	133	278	35	219	3,883	199
9 Juneau	4,397	200	172	165	41	315	4,190	201
10 Marquette	2,816	222	399	260	74	235	2,398	222
11 Portage	10,010	314	472	218	14	295	9,634	319
12 Waushara	6,605	239	596	251	62	365	5,942	236
Area 6:								
13 Door	5,499	289	883	251	8	160	4,595	296
14 Kewaunee	3,128	239	536	247	16	376	2,570	238
15 Marinette	4,284	253	748	248	5	286	3,505	256
16 Oconto	6,497	241	988	228	46	449	5,466	241
17 Shawano	7,131	237	1,312	253	8	33	5,769	232
18 Waupaca	8,965	281	1,091	308	18	200	7,956	281
Area 7:								
19 Brown	3,270	259	366	256	30	429	2,874	258
20 Calumet	1,508	228	194	291	8	133	1,284	217
21 Fond du Lac	11,035	202	672	232	28	267	10,208	197
22 Manitowoc	5,618	240	1,186	289	72	280	4,328	228
23 Outagamie	10,246	233	1,028	210	106	232	9,075	237
24 Sheboygan	4,393	226	492	255	44	326	3,770	217
25 Winnebago	5,719	193	283	223	10	211	5,441	190
Area 8:								
26 Columbia	15,189	197	651	195	66	210	14,337	196
27 Dodge	14,723	204	552	234	72	297	13,991	199
28 Green Lake	5,442	175	172	270	...	...	5,187	170
29 Jefferson	9,056	214	560	265	122	265	8,390	210
30 Ozaukee	3,316	242	294	317	31	302	2,994	234
31 Rock	17,401	213	1,223	258	255	259	15,771	206
32 Walworth	12,871	228	1,342	400	326	405	11,174	212
33 Washington	5,792	239	431	248	16	256	5,326	223
34 Waukesha	9,113	264	993	277	98	282	8,002	257
Metropolitan Area B:								
35 Dane	23,602	204	1,720	237	366	290	21,358	200
Area 9:								
36 Kenosha	9,122	327	798	335	20	133	8,225	320
37 Racine	12,318	339	576	308	5	200	11,699	338
Metropolitan Area C:								
38 Milwaukee	2,666	318	83	322	7	400	2,567	320

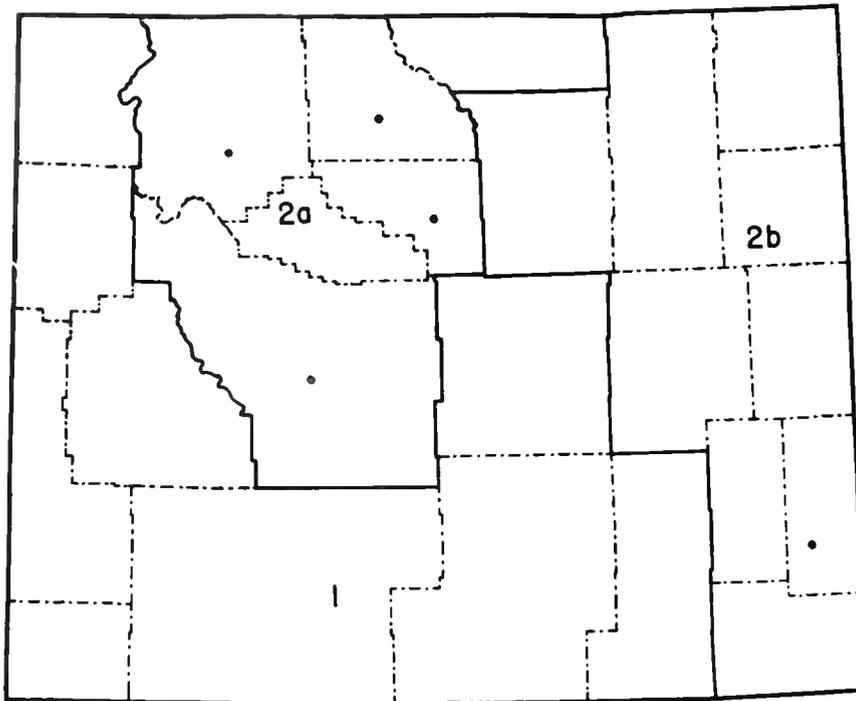
USE OF FERTILIZER AND LIME

LIME, BY ECONOMIC AREAS AND BY COUNTIES: CENSUS OF 1954—Continued

Fertilizer—Continued								Lime		
Specified crops fertilized		Specified crops fertilized		Fruits, vegetables, and potatoes fertilized		Other crops fertilized except hay		Acres limed	Percent of total cropland plus improved pasture	Quantity used per acre (pounds)
Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)			
<i>Corn</i>	<i>Corn</i>	<i>Oats</i>	<i>Oats</i>							
3,941	184	2,693	206	220	414	92	233	15,960	6.1	4,033
4,084	210	4,829	211	33	340	134	210	19,260	6.3	3,877
1,642	173	988	207	512	937	204	274	8,424	4.7	3,641
3,611	224	6,226	213	781	662	793	410	26,855	6.9	4,757
1,238	264	2,098	263	14	233	52	131	7,255	5.2	4,123
1,854	187	1,776	203	323	269	106	268	7,813	4.3	4,195
1,356	182	846	216	397	1,185	87	192	4,394	4.3	4,318
2,229	180	1,347	214	190	434	117	302	7,437	4.5	4,254
2,408	196	1,590	209	66	159	126	225	6,740	5.0	4,220
1,328	191	720	218	274	960	76	269	5,563	5.1	2,996
2,598	227	3,404	249	3,132	955	510	279	12,762	5.0	2,318
2,658	198	1,900	215	954	838	338	249	8,250	4.3	2,656
607	242	1,506	216	2,179	415	303	372	290	0.2	1,241
703	243	1,323	218	55	244	489	306	1,045	0.7	1,349
1,600	250	1,619	245	138	550	143	325	1,350	1.7	2,389
2,282	222	2,496	232	564	612	124	186	3,825	2.0	1,625
2,142	204	3,340	243	155	697	132	322	10,153	4.2	2,725
3,156	214	2,850	240	1,676	1,496	274	485	8,540	3.8	2,851
1,115	250	1,224	237	334	376	201	328	4,220	1.8	1,623
591	234	451	190	42	221	200	217	3,480	2.4	1,079
5,120	187	3,010	176	1,346	274	732	279	6,485	2.0	2,271
992	231	2,279	300	310	357	747	308	1,555	1.4	1,947
4,474	229	2,339	211	750	434	512	318	10,020	3.7	1,352
1,561	208	1,405	208	474	262	330	249	9,195	3.8	1,446
2,956	196	1,821	178	264	201	400	208	5,760	3.0	1,875
8,008	199	3,721	169	2,261	236	347	265	17,337	6.0	4,863
8,351	201	1,352	176	1,656	230	632	261	10,806	2.9	2,251
2,519	160	1,627	158	927	246	114	194	2,565	1.9	5,602
5,729	208	1,725	176	766	388	170	267	4,980	2.2	2,072
1,474	250	792	214	512	211	216	283	690	0.7	3,014
10,785	205	4,070	195	420	312	496	285	20,240	5.9	5,305
7,640	209	2,860	198	116	400	558	393	7,895	3.3	3,754
2,565	227	1,614	186	557	254	590	349	2,590	1.5	2,614
4,149	221	1,137	238	1,550	566	166	255	8,618	4.2	1,303
13,808	196	5,199	179	1,357	315	994	334	27,395	4.6	5,160
3,483	254	1,696	256	1,230	925	816	279	3,266	2.9	2,684
4,961	257	1,800	223	1,968	1,009	970	296	1,375	2.5	1,363
1,111	288	586	262	544	663	326	296	655	1.6	2,290

WYOMING

TONS OF FERTILIZER



LEGEND

B METROPOLITAN STATE ECONOMIC AREA

2 NONMETROPOLITAN STATE ECONOMIC AREA

1 DOT = 2,000 TONS

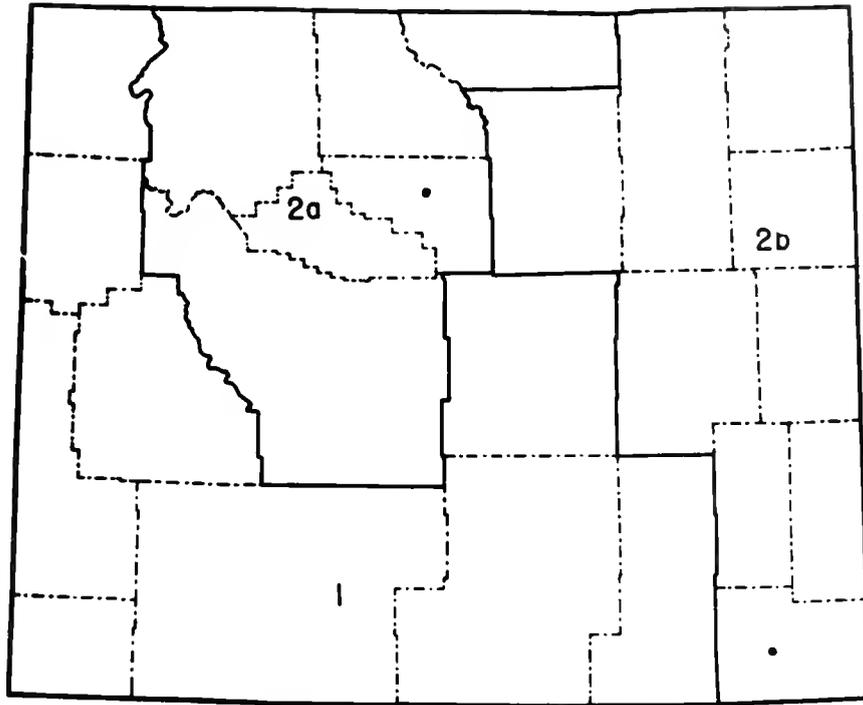
Map No. A54-482

Table 1.-USE OF FERTILIZER FOR SPECIFIED CROPS AND USE OF

State, economic area, and county	Fertilizer							
	All crops and all pasture fertilized		Hay and cropland pasture fertilized		Other pasture fertilized		All crops fertilized except hay	
	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)
1 Wyoming, total	11,740	194	3,787	169	239	210	7,745	209
Area 1:								
2 Albany	42	168	42	168	...	...	...	...
3 Carbon	132	186	64	168	4	200	64	212
4 Lincoln	142	253	141	268	...	...	1	100
5 Natrona	134	265	2	200	2	200	132	272
6 Sublette	68	112	67	113	...	...	1	91
7 Sweetwater	51	551	51	551	...	...	...	...
8 Teton	29	157	52	285	2	80	4	107
9 Uinta	28	371	20	345	...	...	8	457
10 Yellowstone National Park .....	...	...	...	...	...	...	...	...
Area 2a:								
11 Big Horn	1,784	202	555	149	20	200	1,209	242
12 Fremont	1,783	195	558	197	68	223	1,167	195
13 Hot Springs	92	207	47	185	...	...	46	241
14 Park	2,280	177	847	156	33	150	1,389	192
15 Sheridan	431	182	237	147	78	312	116	230
16 Washakie	1,171	201	233	139	...	...	938	226
Area 2b:								
17 Campbell	13	186	10	200	...	...	3	150
18 Converse	224	360	170	402	2	100	52	289
19 Crook	38	156	13	104	...	...	25	213
20 Goshen	2,505	197	326	158	1	80	2,178	204
21 Johnson	173	179	127	170	25	179	21	259
22 Laramie	131	192	35	172	4	123	92	206
23 Niobrara .....	...	...	...	...	...	...	...	...
24 Platte	391	164	136	154	...	...	255	169
25 Weston	98	228	54	226	...	...	44	229

2 0.05 percent or less.

WYOMING
TONS OF LIME



LEGEND

- METROPOLITAN STATE ECONOMIC AREA
- NONMETROPOLITAN STATE ECONOMIC AREA
- 1 DOT = 500 TONS

Map No. A54-483

LIME, BY ECONOMIC AREAS AND BY COUNTIES: CENSUS OF 1954—Continued

Fertilizer—Continued								Lime			
Specified crops fertilized		Specified crops fertilized		Fruits, vegetables, and potatoes fertilized		Other crops fertilized except hay		Acres limed	Percent of total cropland plus improved pasture	Quantity used per acre (pounds)	
Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)				
<i>Sugar beets</i> 4,430	<i>Sugar beets</i> 260	<i>wheat</i> 326	<i>wheat</i> 180	428	260	2,561	154	955	(2)	1,321	1
...	...	...	...	...	...	...	...	...	...	...	2
...	...	24	175	...	...	40	243	...	...	...	3
...	...	1	100	...	...	...	...	...	...	...	4
...	...	4	160	18	120	110	355	...	...	...	5
...	...	...	...	...	...	1	91	...	...	...	6
...	...	...	...	...	...	...	...	...	...	...	7
...	...	...	...	4	107	...	...	...	...	...	8
...	...	...	...	...	...	8	457	...	...	...	9
...	...	...	...	...	...	...	...	...	...	...	10
893	274	51	229	90	225	175	157	...	...	...	11
512	312	93	170	63	481	449	136	...	...	...	12
28	280	...	...	...	...	18	200	...	...	...	13
390	299	110	207	141	361	748	150	...	...	...	14
87	282	12	122	1	200	16	173	...	...	...	15
698	277	5	133	...	...	235	147	635	1.5	1,024	16
...	...	...	...	...	...	3	150	...	...	...	17
4	154	1	67	1	667	46	335	20	(2)	600	18
...	...	6	200	...	...	19	217	...	...	...	19
1,629	232	12	134	89	197	448	145	...	...	...	20
15	273	1	100	...	...	5	313	...	...	...	21
18	267	...	...	21	280	53	174	300	(2)	2,000	22
...	...	...	...	...	...	...	...	...	...	...	23
156	218	...	96	...	...	93	128	...	...	...	24
...	...	...	...	...	...	44	229	...	...	...	25

USE OF FERTILIZER AND LIME

Table 2—USE OF FERTILIZER FOR SPECIFIED CROPS AND USE OF

[For data for 20 irrigated]

State and economic area	Fertilizer											
	All crops and all pasture fertilized			Hay and cropland pasture fertilized			Other pasture fertilized			All crops fertilized except hay		
	Acres	Percent of total acres	Quantity used per acre (pounds)	Acres	Percent of total acres	Quantity used per acre (pounds)	Acres	Percent of total acres	Quantity used per acre (pounds)	Acres	Percent of total acres	Quantity used per acre (pounds)
1 28 States, total	89,148,389	34.8	328	9,292,501	11.9	337	2,734,652	5.9	336	77,031,432	58.8	327
2 Alabama, total	4,780,271	53.9	403	575,991	26.5	401	351,461	14.3	370	3,836,950	90.3	408
3 Area 1	691,427	60.4	365	74,343	23.8	342	30,081	16.2	306	593,411	89.9	372
4 Area 2	619,643	70.7	446	34,932	29.3	414	20,647	13.9	362	560,958	92.2	454
5 Areas 3 and A	360,331	53.6	402	53,550	25.6	395	24,595	17.5	373	279,290	86.6	410
6 Areas 4 and B	278,391	43.6	389	48,479	22.6	389	27,569	14.2	385	201,280	88.2	391
7 Area 5	616,320	53.1	386	81,823	25.8	430	48,720	16.0	353	483,628	89.6	383
8 Areas 6 and C	657,862	30.5	392	163,874	26.1	388	90,589	8.7	343	401,450	83.3	406
9 Area 7a	1,206,720	71.8	378	69,654	29.6	413	77,735	23.7	387	1,056,136	94.6	376
10 Area 7b	98,500	47.5	338	12,920	18.4	353	9,119	16.7	390	76,192	92.0	371
11 Areas 3 and D	243,077	74.4	638	36,416	51.1	522	22,406	47.0	512	184,605	88.9	634
12 Connecticut, total	151,256	28.1	884	74,894	22.6	453	9,134	7.0	472	68,022	89.6	1,403
13 Areas 1 and A	38,842	24.0	438	25,642	24.8	405	3,700	7.4	425	10,155	71.8	512
14 Areas B and C	66,196	41.1	1,319	22,792	26.5	462	1,946	6.2	430	41,713	95.6	1,820
15 Area 2	46,218	21.5	635	26,460	18.7	490	3,888	7.0	533	16,154	89.0	886
16 Delaware, total (Areas 1 and A)	315,992	62.4	475	30,955	26.7	368	4,385	12.4	272	280,179	78.9	491
17 Georgia, total	6,231,264	66.6	398	708,747	39.2	352	519,247	28.1	324	4,981,441	87.5	414
18 Areas 1 and A	246,094	49.9	384	50,594	40.3	373	29,598	17.9	304	166,027	82.3	401
19 Area 2	79,857	11.5	391	10,924	44.3	367	14,685	21.7	343	54,133	86.6	410
20 Areas 3 and B	429,061	52.6	394	60,767	33.1	341	45,085	16.3	278	321,034	90.3	422
21 Area 4a	636,702	76.8	414	116,087	39.2	352	82,343	24.3	321	436,667	91.1	449
22 Area 4b	316,031	42.2	342	73,644	27.0	327	47,614	19.9	275	194,412	81.8	365
23 Areas 5, C, and D	305,086	63.2	346	36,214	35.6	327	20,884	25.1	276	246,295	82.8	357
24 Area 6	895,782	74.6	334	95,579	47.3	315	47,906	41.5	300	750,262	85.0	340
25 Area 7a	628,416	70.1	387	58,209	40.2	351	58,695	35.8	340	509,266	86.7	399
26 Area 7b	1,337,172	79.4	408	95,117	41.5	356	89,033	51.3	335	1,148,347	89.6	420
27 Area 8	1,177,011	80.3	456	90,578	50.4	412	64,976	43.3	391	1,015,213	89.3	466
28 Areas 9 and E	180,052	62.9	472	21,034	42.6	360	18,428	25.1	370	139,845	85.4	504
29 Illinois, total	7,918,567	31.4	264	415,680	8.2	464	67,892	3.3	391	7,434,199	41.1	252
30 Areas 1, A, and B	937,716	34.0	238	56,395	7.5	452	7,380	2.5	394	878,716	51.4	222
31 Areas 2 and C	610,423	42.7	266	38,720	10.5	373	3,665	4.7	395	566,170	57.7	258
32 Area 3	601,536	17.7	310	43,650	5.9	652	6,180	1.5	530	552,470	24.6	280
33 Area 4	760,699	30.2	257	34,981	7.5	366	5,466	1.8	299	721,617	41.2	250
34 Area 5	434,425	32.8	328	34,230	14.4	480	1,390	3.7	568	398,900	38.0	314
35 Areas 6a, D, and E	831,960	28.1	292	37,264	8.8	487	8,872	4.2	435	787,386	33.9	280
36 Area 6b	1,488,692	30.8	317	86,118	12.2	563	11,226	6.3	429	1,386,413	35.1	301
37 Areas 7 and F	736,075	35.6	208	26,190	8.2	368	7,653	3.3	397	700,041	46.3	200
38 Area 8	587,915	42.4	197	17,993	5.3	278	4,165	4.4	351	566,392	59.5	193
39 Area 9	496,422	46.9	208	13,364	6.1	277	3,725	6.3	278	477,785	61.1	206
40 Area 10	277,964	38.3	210	10,710	5.7	333	2,660	3.9	365	264,999	56.5	204
41 Area 11	194,740	21.1	266	16,065	5.7	416	5,510	6.8	229	133,310	35.9	249
42 Indiana, total	8,090,566	54.9	259	478,213	12.7	275	78,343	6.0	267	7,459,345	77.8	259
43 Areas 1, A, and B	598,658	62.8	278	43,649	18.2	257	2,605	5.2	266	550,059	82.9	281
44 Area 2a	942,776	67.4	277	50,277	17.0	251	6,760	9.6	263	875,477	84.7	282
45 Area 2b	1,521,704	58.9	245	63,809	11.6	287	12,539	8.5	256	1,432,036	76.1	238
46 Areas 3 and C	1,014,711	53.5	240	73,200	13.2	270	8,765	7.2	269	931,076	75.9	245
47 Area 4	893,307	58.9	245	47,363	11.8	263	6,609	6.1	261	835,475	82.9	245
48 Areas 5 and D	1,204,772	58.8	248	52,918	9.8	269	6,850	5.8	229	1,139,094	81.8	249
49 Areas 6 and E	1,014,615	47.7	260	61,555	13.2	280	12,895	6.5	308	940,105	64.3	258
50 Area 7	418,501	42.6	294	53,612	13.9	297	11,394	6.1	282	352,741	86.1	298
51 Areas 8 and F	441,522	38.2	302	31,830	9.4	312	9,930	3.3	243	403,282	78.4	300
52 Iowa, total	7,038,509	23.8	175	467,570	6.5	215	62,470	1.7	184	6,531,355	35.2	171
53 Area 1a	772,084	24.2	181	58,630	10.7	225	7,282	2.1	161	707,039	30.9	178
54 Areas 1b, A, and B	990,775	25.3	159	55,619	5.4	178	14,964	4.5	164	921,748	35.9	157
55 Area 2a	730,660	33.5	176	98,056	24.6	226	7,934	6.1	159	623,670	37.7	169
56 Areas 2b and C	1,164,822	28.6	175	83,750	11.2	198	6,640	2.9	173	1,078,222	34.8	173
57 Area 3a	234,772	10.5	184	19,760	3.8	234	3,700	0.6	228	210,707	19.4	180
58 Area 3b	308,099	12.2	200	29,423	4.2	246	5,745	0.8	277	275,111	25.7	192
59 Area 4	1,489,574	32.6	158	55,125	4.4	206	5,530	1.1	158	1,440,545	51.5	155
60 Area 5	566,513	15.9	191	30,177	3.1	238	4,415	1.0	210	532,886	24.9	188
61 Areas 6 and D	781,205	24.0	192	37,030	5.6	223	6,260	1.8	199	741,427	39.4	190
62 Kentucky, total	2,768,319	24.7	402	588,856	9.3	322	95,257	5.4	299	2,085,249	67.0	430
63 Area 1	260,343	32.2	245	36,573	9.5	249	4,940	8.1	246	218,446	60.1	244
64 Area 2	243,762	34.3	259	27,067	8.6	303	3,110	8.3	327	213,323	59.4	252
65 Area 3a	402,145	31.4	299	61,798	8.9	317	10,670	8.1	340	329,856	72.8	294
66 Area 3b	250,808	32.1	391	56,590	11.8	336	4,996	6.5	359	189,792	83.6	407
67 Area 4	494,183	40.9	340	90,599	13.8	305	11,144	13.7	292	391,199	83.2	350
68 Area 5	370,606	31.6	403	103,287	14.4	312	16,223	10.3	309	251,660	84.6	446
69 Areas 6, A, and B	408,128	13.9	624	109,353	6.3	356	21,496	3.0	310	278,210	56.3	752
70 Area 7	142,180	13.6	684	48,468	7.5	311	11,577	5.6	241	82,387	44.3	963
71 Areas 8 and C	151,075	17.2	549	44,963	9.2	354	9,216	4.0	277	97,210	60.7	664
72 Area 9	45,089	11.9	362	10,158	5.0	361	1,885	2.5	283	33,166	32.9	365
73 Maine, total	247,611	19.9	1,372	46,801	6.2	482	3,880	2.0	559	197,533	67.4	1,595
74 Area 1	151,666	42.9	1,780	4,638	3.7	437	400	1.7	940	147,463	72.4	1,814
75 Area 2	48,687	13.0	809	19,911	7.6	509	1,989	2.6	607	26,540	74.4	1,056
76 Area 3	12,984	6.6	730	5,427	4.5	462	523	1.1	302	7,049	23.7	967
77 Areas 4 and A	34,274	10.8	611	16,825	6.8	468	968	2.0	440	16,481	68.9	767

NA Not available. ¹Over 100 percent. See text.

USE OF FERTILIZER AND LIME

LIME, BY ECONOMIC AREAS, FOR 28 SPECIFIED STATES: CENSUS OF 1954

States, see Table 3

Fertilizer—Continued												Lime			
Specified crops fertilized			Specified crops fertilized			Fruits, vegetables, and potatoes fertilized			Other crops fertilized except hay			Acres limed	Percent of total cropland plus improved pasture	Quantity used per acre (pounds)	
Acres	Percent of total acres	Quantity used per acre (pounds)	Acres	Percent of total acres	Quantity used per acre (pounds)	Acres	Percent of total acres	Quantity used per acre (pounds)	Acres	Percent of total acres	Quantity used per acre (pounds)				
Corn			Cotton												
41,839,038	70.7	268	(NA)	(NA)	(NA)	3,040,710	71.9	832	(NA)	(NA)	(NA)	9,289,892	4.0	3,384	1
2,151,309	94.3	315	1,132,392	99.1	533	111,278	70.2	881	441,971	66.5	404	229,006	2.8	1,775	2
268,863	92.6	276	280,999	99.5	468	2,955	59.4	724	40,594	49.3	297	33,449	2.9	2,309	3
372,602	95.5	325	151,785	98.1	631	23,689	97.8	711	12,882	32.5	448	15,982	1.9	1,995	4
172,940	91.2	325	81,245	98.4	559	7,814	77.2	694	17,291	43.1	382	27,185	3.8	1,761	5
128,707	95.6	300	58,060	99.6	583	5,516	67.4	517	8,997	33.2	321	21,682	3.3	1,784	6
285,426	93.4	282	154,883	98.5	529	17,259	77.4	678	26,060	47.8	410	33,952	2.9	1,751	7
180,114	84.7	294	162,772	98.1	516	4,608	31.0	533	53,956	60.7	427	32,895	2.1	1,786	8
603,079	98.1	301	209,439	100.6	531	17,737	55.0	578	225,881	86.3	411	49,974	3.0	1,360	9
55,605	93.3	274	16,350	100.8	482	1,369	132.3	536	2,868	48.2	464	2,639	1.4	1,714	10
83,973	98.0	513	16,859	99.4	702	30,331	74.7	1,506	53,442	83.1	439	11,248	3.4	1,783	11
			Tobacco												
26,276	78.4	555	14,334	102.8	3,450	23,141	74.8	1,184	4,271	(1)	711	39,384	8.3	2,173	12
7,286	69.8	473	30	78.9	5,333	1,581	42.8	423	1,258	(1)	566	10,147	7.4	2,355	13
9,948	88.9	608	13,234	102.9	3,530	16,651	79.9	1,258	1,880	(1)	834	17,075	11.3	1,804	14
9,042	76.1	564	1,070	102.3	2,407	4,909	76.8	1,175	1,133	(1)	667	12,162	6.5	2,541	15
			Wheat												
148,519	85.7	400	29,605	88.9	392	36,969	76.2	1,046	65,086	65.0	420	48,761	9.4	1,595	16
			Cotton												
2,692,898	98.1	313	974,756	98.9	564	253,175	66.8	665	1,060,612	67.0	466	366,740	3.8	1,525	17
94,441	94.2	320	53,861	98.2	539	3,840	67.9	659	13,885	33.9	345	23,705	4.4	2,467	18
43,833	95.3	381	1,885	96.7	511	5,006	96.0	627	3,409	36.4	392	10,688	6.3	2,179	19
164,884	95.9	346	77,909	97.5	605	16,382	93.0	614	61,859	71.8	329	37,639	4.1	1,406	20
147,984	96.0	343	152,393	99.4	613	19,730	73.3	587	116,560	77.5	339	58,170	5.2	1,473	21
93,622	95.5	270	59,269	98.6	496	9,220	58.1	601	32,301	50.7	321	37,399	5.2	1,303	22
130,179	97.5	260	49,546	97.2	545	17,710	63.1	572	48,860	57.4	347	16,016	3.0	1,784	23
435,224	98.0	255	182,905	98.5	517	14,313	43.7	436	117,820	53.4	352	24,962	1.9	1,334	24
216,792	98.0	331	76,350	99.5	569	28,746	53.8	524	187,318	79.4	386	34,407	3.7	1,469	25
573,600	99.9	330	174,654	99.7	593	67,030	60.8	657	333,063	78.9	431	74,933	4.2	1,434	26
686,504	99.0	319	137,351	99.9	554	64,474	87.4	843	126,884	54.8	967	36,888	2.5	1,404	27
105,835	97.5	365	8,633	94.5	637	6,724	71.1	824	18,653	50.9	1,098	11,933	4.2	1,566	28
			Wheat												
5,205,506	57.7	234	1,077,344	70.3	244	103,268	61.2	367	1,048,081	14.2	324	1,122,871	4.7	4,477	29
715,376	70.7	202	6,800	57.4	271	36,340	82.1	302	120,200	18.7	298	106,943	4.3	5,127	30
429,795	79.3	231	12,927	68.3	305	22,739	71.6	530	100,709	25.9	303	59,456	4.3	3,557	31
424,942	32.8	245	28,398	37.7	324	3,696	55.2	250	95,434	11.0	415	150,005	4.9	4,534	32
479,550	58.7	242	162,392	62.4	249	5,335	49.9	323	74,340	11.2	289	112,539	4.9	4,521	33
282,935	48.3	301	9,270	73.8	316	7,866	84.8	359	98,829	22.3	330	63,962	4.9	4,149	34
527,996	50.4	259	171,334	66.2	274	2,323	22.5	501	85,733	8.5	397	146,466	5.2	4,305	35
974,417	51.0	277	150,738	77.0	301	7,424	27.7	346	253,834	13.9	376	237,525	5.0	4,075	36
380,141	70.4	194	235,942	66.6	199	4,474	46.7	389	79,484	13.1	219	80,852	4.1	5,083	37
389,352	86.6	177	110,890	98.1	224	2,320	59.2	287	63,830	16.6	213	60,890	4.4	5,297	38
327,039	81.5	195	107,657	87.6	213	631	49.8	279	42,458	16.6	253	41,199	3.8	4,567	39
176,779	78.3	194	64,636	90.0	215	1,165	66.9	336	22,419	13.2	205	31,223	4.2	5,272	40
97,184	49.4	231	1e.360	44.3	244	8,955	72.9	298	10,811	8.6	365	31,811	4.3	4,013	41
			Wheat												
4,442,221	93.2	264	1,178,464	91.4	267	80,813	74.0	516	1,757,847	51.3	221	887,850	6.3	3,964	42
308,613	95.7	288	99,904	92.0	272	9,027	82.6	699	132,515	59.8	233	56,826	5.9	4,395	43
513,633	97.2	303	96,587	91.5	293	8,961	93.0	755	256,296	65.7	219	76,151	5.5	4,401	44
881,075	95.1	257	195,928	94.1	266	10,022	71.9	423	34,011	46.8	197	163,588	6.5	3,643	45
503,173	93.2	235	154,307	87.3	254	10,770	103.1	642	262,826	52.9	206	88,044	4.8	3,168	46
466,843	95.5	251	121,445	95.8	265	8,538	104.1	447	238,649	62.2	203	59,904	4.1	3,866	47
673,472	94.6	254	179,690	93.0	265	13,103	77.1	445	272,832	58.1	217	136,031	6.8	3,660	48
622,108	85.2	258	189,622	88.2	259	9,694	51.6	347	118,681	23.9	230	150,890	7.3	4,030	49
226,058	93.5	287	50,703	93.0	308	2,731	50.9	391	73,249	67.9	301	74,189	8.2	4,498	50
247,246	88.8	279	90,278	89.9	286	7,970	53.4	425	57,788	48.1	385	82,227	8.6	4,739	51
			Wheat												
4,837,313	47.1	168	45,736	42.3	164	12,246	23.6	317	1,636,060	20.1	176	728,120	2.8	4,230	52
415,602	35.2	184	3,342	126.1	170	80	3.5	300	288,015	26.1	167	31,045	1.1	3,067	53
682,669	44.5	161	20,448	32.1	115	739	19.0	208	217,892	22.6	146	40,155	1.1	3,463	54
464,562	56.8	162	750	1277.8	235	745	16.9	326	157,613	19.0	184	10,106	0.5	2,494	55
738,999	45.8	171	2,515	145.0	178	2,679	28.7	221	334,029	22.6	171	33,460	0.9	3,309	56
142,747	22.7	180	2,180	30.7	213	75	6.2	720	65,705	14.6	178	68,815	4.1	3,536	57
182,515	31.7	190	4,916	49.0	199	405	28.9	217	87,275	18.1	192	106,257	5.7	3,936	58
1,241,628	79.6	150	4,025	1155.4	179	3,996	31.4	381	190,896	15.6	179	125,735	3.1	4,277	59
375,924	30.4	188	1,247	23.2	162	1,565	16.1	212	154,150	17.4	183	158,834	5.0	4,273	60
592,667	52.5	178	6,313	39.0	253	1,962	28.6	481	140,485	19.3	226	153,713	5.2	4,837	61
			Tobacco												
1,543,489	78.8	275	261,478	95.5	1,425	21,448	59.4	722	258,834	30.7	398	593,179	5.5	3,649	62
178,324	76.0	200	12,788	88.9	802	960	28.7	571	26,374	23.7	242	61,984	7.2	3,356	63
178,066	77.7	217	9,404	81.2	854	370	42.4	481	25,483	21.7	257	39,920	5.5	3,436	64
284,238	85.9	235	14,767	97.4	1,231	1,580	54.2	818	29,271	28.1	344	32,381	6.9	3,520	65
138,620	95.7	298	16,338	98.3	1,514	380	77.8	609	33,754	52.6	310	36,077	4.7	4,191	66
276,363	97.8	269	31,357	96.2											

USE OF FERTILIZER AND LIME

Table 2—USE OF FERTILIZER FOR SPECIFIED CROPS AND USE OF

[For data for 20 irrigated

State and economic area	Fertilizer											
	All crops and all pasture fertilized			Hay and cropland pasture fertilized			Other pasture fertilized			All crops fertilized except hay		
	Acres	Percent of total acres	Quantity used per acre (pounds)	Acres	Percent of total acres	Quantity used per acre (pounds)	Acres	Percent of total acres	Quantity used per acre (pounds)	Acres	Percent of total acres	Quantity used per acre (pounds)
1 Maryland, total	1,190,896	50.0	444	162,701	19.5	402	49,277	12.3	427	982,726	85.7	451
2 Area 1	30,599	20.6	358	7,402	10.7	325	1,055	2.2	399	22,019	70.6	370
3 Area 2	356,857	43.6	374	63,470	21.5	400	25,092	12.0	399	271,082	86.3	362
4 Areas A and B	167,964	41.6	513	32,754	18.2	426	13,003	17.4	487	123,301	82.5	534
5 Area 3	78,849	51.6	572	4,372	8.0	382	620	5.2	471	73,830	85.6	584
6 Area 4a	344,511	63.4	415	39,380	20.7	378	8,427	22.0	402	297,498	94.4	419
7 Area 4b	212,116	67.8	521	15,323	32.9	461	1,080	6.8	563	194,996	77.9	528
8 Massachusetts, total	165,324	27.6	691	89,662	23.3	447	5,139	4.3	472	70,544	74.4	1,018
9 Area 1	25,822	18.0	786	13,567	13.7	422	1,140	3.6	470	11,131	82.5	1,260
10 Area B	39,229	37.7	992	20,578	32.9	411	1,069	5.6	516	17,647	78.2	1,695
11 Area C	31,888	20.8	471	21,128	21.0	443	1,595	4.2	469	9,245	64.7	531
12 Area D	38,888	32.9	617	21,285	26.6	475	960	5.2	471	16,603	84.4	808
13 Areas 2, D, and E	29,497	37.2	545	13,104	30.4	490	375	3.3	373	15,918	64.4	598
14 Michigan, total	4,527,501	42.9	251	337,611	7.9	255	22,740	2.5	243	4,156,094	77.3	251
15 Area 1	18,780	9.3	349	3,576	2.5	200	80	0.3	225	15,079	47.2	386
16 Area 2	51,643	15.2	268	11,847	5.0	211	560	2.5	218	39,441	50.0	284
17 Area 3	114,228	27.7	283	13,790	6.6	261	1,060	1.9	291	99,403	67.7	285
18 Area 4a	160,410	19.7	283	16,881	3.6	253	1,730	1.3	253	142,758	65.0	285
19 Area 4b	118,837	19.0	244	12,172	3.2	237	1,370	2.2	231	105,095	57.2	245
20 Areas 5a and A	623,164	53.3	246	51,228	14.0	253	1,740	2.5	236	567,312	77.4	247
21 Area 5b	650,509	59.8	239	50,140	13.0	246	1,350	0.8	143	594,199	89.8	241
22 Areas 6a, B, and C	310,002	41.3	273	18,790	6.5	274	1,495	2.1	265	291,112	74.6	272
23 Area 6b	217,620	58.7	336	15,371	16.3	271	1,692	7.4	242	201,561	79.5	340
24 Areas 7, D, and E	903,340	45.4	228	55,982	7.6	257	5,648	2.9	261	840,338	79.2	226
25 Areas 8 and F	552,862	51.9	260	36,726	9.7	247	2,225	3.6	236	509,053	81.6	264
26 Area 9a	399,228	50.8	234	22,443	9.6	273	1,330	1.8	238	375,725	78.5	231
27 Areas 9b and C	406,878	43.0	241	28,665	8.4	273	1,460	3.7	228	375,018	73.0	238
28 Minnesota, total	4,186,811	17.6	151	402,976	7.5	207	34,777	1.4	167	3,748,872	23.7	145
29 Area 1	1,115,755	29.3	93	64,552	8.3	138	5,615	3.1	136	1,043,148	36.6	91
30 Areas 2 and A	62,509	5.5	180	9,152	1.4	219	700	0.4	217	52,677	18.6	172
31 Area 3	173,630	8.9	127	30,580	5.2	180	1,345	0.5	122	141,985	13.4	116
32 Area 4	216,762	17.2	161	15,840	3.6	211	1,555	0.6	140	199,367	34.3	157
33 Area 5	527,939	12.0	169	89,377	14.8	210	6,424	1.9	161	433,666	12.6	161
34 Areas 6 and B	696,221	16.1	180	52,497	4.5	240	6,953	1.0	176	636,912	25.4	175
35 Area 7	633,415	20.9	188	34,647	5.7	257	4,415	1.4	214	595,581	28.2	173
36 Area 8	760,580	19.6	168	106,331	19.2	219	7,770	2.3	169	645,536	21.6	160
37 Mississippi, total	4,449,404	42.8	318	407,027	19.1	280	224,228	6.8	263	3,810,332	76.3	326
38 Area 1	1,344,777	58.8	216	68,621	25.1	150	32,738	23.1	127	1,237,197	66.1	223
39 Area 2	686,898	35.0	342	50,497	11.5	260	29,617	4.3	233	611,297	73.3	321
40 Areas 3 and A	378,678	28.4	346	67,539	16.9	301	44,453	7.2	273	266,721	83.5	370
41 Area 4	426,621	42.9	379	17,969	13.3	330	11,634	3.1	256	395,193	63.5	387
42 Area 5	327,532	27.8	336	33,808	13.2	308	24,526	4.4	284	269,399	93.8	343
43 Area 6a	699,869	48.0	372	86,584	24.5	314	44,869	9.0	310	564,953	73.3	388
44 Area 6b	344,017	43.8	356	38,748	27.9	256	16,525	4.8	269	287,557	94.6	376
45 Area 7	206,329	62.4	434	31,023	32.3	360	16,860	34.3	380	158,166	85.3	454
46 Area 8	35,083	48.7	435	12,238	38.3	445	3,006	23.6	346	19,849	72.5	441
47 Missouri, total	6,122,630	26.5	220	544,565	7.7	284	143,012	2.3	291	5,431,612	55.3	212
48 Areas 1 and A	699,722	20.7	213	58,673	6.3	321	19,624	2.5	297	623,579	37.6	200
49 Area 2a	697,132	17.0	221	60,734	5.6	329	18,754	1.2	319	616,999	41.3	207
50 Area 2b	1,151,971	30.5	249	75,724	7.7	313	28,163	2.9	314	1,050,852	58.0	241
51 Area 3	1,092,837	33.8	176	56,433	9.1	234	24,544	2.1	276	1,006,160	68.6	171
52 Area 4	386,984	38.0	200	50,078	13.5	230	8,966	3.3	216	328,108	87.9	195
53 Area 5	300,755	23.0	215	36,585	5.9	278	6,744	1.7	275	257,647	85.3	204
54 Areas 6 and B	565,573	30.6	241	60,549	8.3	320	13,188	4.0	315	492,307	61.9	230
55 Area 7	477,787	22.6	223	93,890	8.7	248	12,677	1.9	268	369,248	99.4	216
56 Area 8	155,438	21.7	252	36,455	8.7	288	5,670	3.5	333	113,121	83.7	236
57 Area 9a	239,160	34.6	220	6,311	4.7	254	2,592	9.0	230	230,721	43.6	219
58 Area 9b	355,671	37.2	253	9,133	14.9	287	2,090	14.2	186	343,270	39.0	254
59 New Hampshire, total	69,416	15.4	514	46,362	14.8	410	3,174	2.9	419	19,864	68.5	771
60 Area 1	36,044	16.7	584	25,803	17.2	431	1,334	2.4	564	8,887	80.2	1,033
61 Areas 2 and A	33,372	14.1	438	20,559	12.6	384	1,840	3.3	314	10,977	61.4	559
62 New Jersey, total	612,597	56.3	776	119,625	27.9	479	18,421	19.4	431	474,188	84.2	864
63 Areas 1, A, B, and C	336,449	50.0	602	81,749	25.9	453	10,933	16.6	410	244,044	83.6	660
64 Areas 2, D, E, and F	276,148	66.7	987	37,876	33.5	535	7,488	25.4	463	230,144	84.8	1,081
65 New York, total	2,276,847	22.7	454	286,596	6.3	337	50,662	1.7	348	1,938,245	78.2	474
66 Areas 1, A, and B	431,512	45.9	443	24,463	6.7	293	3,924	4.6	339	402,000	81.7	455
67 Area 2	468,214	42.6	370	26,146	6.3	324	5,948	3.2	314	434,244	87.6	376
68 Area 3a	153,318	18.7	364	21,040	6.2	309	3,935	1.2	393	128,698	77.9	371
69 Area 3b	202,261	25.9	423	19,581	6.0	321	6,790	3.0	300	176,028	76.9	439
70 Areas 4 and C	287,537	28.6	377	27,200	6.6	374	4,150	1.5	413	255,822	81.4	377
71 Areas 5 and D	111,987	14.6	389	15,998	4.2	301	2,618	1.0	371	93,420	70.7	404
72 Areas 6 and E	150,182	11.1	363	50,915	8.0	300	9,173	1.5	342	90,498	74.2	399
73 Area 7	133,254	7.8	372	32,763	3.8	319	3,121	0.5	377	98,473	52.7	385
74 Areas 8 and F	95,129	14.7	369	15,494	4.1	329	3,937	2.4	263	75,988	72.1	381
75 Area 9	164,352	19.9	459	47,899	10.8	407	6,466	2.9	403	110,187	69.7	484
76 Area G	79,101	77.3	2,040	5,097	25.7	567	600	12.6	340	72,887	93.8	2,171

2 Less than 0.05, 1 Over 100 percent. See text.

USE OF FERTILIZER AND LIME

LIME, BY ECONOMIC AREAS, FOR 28 SPECIFIED STATES: CENSUS OF 1954—Continued

(States, see Table 3)

Fertilizer—Continued												Lime						
Specified crops fertilized			Specified crops fertilized			Fruits, vegetables, and potatoes fertilized			Other crops fertilized except hay			Acres limed	Percent of total cropland plus improved pasture	Quantity used per acre (pounds)				
Acres	Percent of total acres	Quantity used per acre (pounds)	Acres	Percent of total acres	Quantity used per acre (pounds)	Acres	Percent of total acres	Quantity used per acre (pounds)	Acres	Percent of total acres	Quantity used per acre (pounds)							
<i>Orn</i>			<i>wheat</i>															
456,321	91.5	382	171,329	90.7	378	85,645	74.6	868	266,431	78.4	469	230,677	10.2	1,900	1			
7,999	75.6	349	3,325	85.8	389	1,400	47.4	690	9,295	67.5	320	8,380	7.0	3,183	2			
121,200	90.8	330	69,265	94.5	364	19,566	68.5	474	61,051	77.7	377	67,763	9.7	2,208	3			
50,413	89.1	388	19,215	84.1	437	10,727	67.7	752	42,946	79.2	684	46,245	11.5	1,723	4			
32,338	87.5	389	9,829	76.6	420	2,665	66.2	981	31,398	87.2	822	10,509	5.8	1,862	5			
159,021	96.7	392	59,086	93.8	360	22,536	73.0	910	56,855	100.3	354	58,178	10.6	1,885	6			
85,350	88.5	432	10,609	81.0	424	34,151	85.0	1,108	64,886	64.5	367	39,602	12.5	1,731	7			
<i>Tobacco</i>			<i>Oats</i>															
22,139	80.5	572	5,652	93.8	3,257	32,724	74.1	1,053	10,029	58.7	617	33,098	5.9	2,326	8			
5,027	84.6	586	1,577	88.8	3,290	3,647	78.7	1,436	1,880	76.9	727	4,360	3.4	2,638	9			
5,235	86.4	607	4,075	95.8	3,244	7,105	84.5	1,751	1,232	32.0	955	9,025	9.0	2,265	10			
3,247	70.5	512	...	...	...	5,261	59.2	514	737	92.2	735	5,427	4.0	2,678	11
3,467	71.0	586	...	...	...	10,996	74.1	839	2,140	(1)	950	8,298	7.0	1,837	12
5,163	85.9	551	...	...	...	5,715	77.6	848	5,040	44.4	356	5,988	7.0	2,550	13
1,556,778	82.5	207	992,224	80.2	220	254,086	74.7	541	1,353,006	70.7	263	225,014	2.1	3,913	14			
979	73.4	404	10,390	44.0	278	2,633	64.7	800	1,077	36.9	394	5,060	2.5	4,828	15			
6,453	72.2	287	25,869	53.3	237	3,020	55.0	660	4,099	25.9	301	1,590	0.4	2,469	16			
29,339	70.6	193	20,275	70.7	250	37,409	72.7	369	12,380	47.8	278	9,625	2.1	3,754	17			
48,015	65.4	196	49,184	69.9	250	15,185	60.7	642	30,374	59.8	300	20,016	2.5	3,382	18			
27,875	61.2	193	42,385	62.4	227	7,499	65.0	436	27,336	46.6	262	6,378	1.0	3,496	19			
181,121	82.2	200	109,807	82.3	215	24,221	80.3	568	252,163	72.2	258	11,220	0.9	3,104	20			
119,360	94.6	232	141,611	98.0	215	6,050	65.7	509	327,178	85.8	245	4,385	0.4	3,526	21			
115,000	76.3	209	79,776	82.2	218	32,581	75.4	569	63,755	64.2	292	26,340	3.4	3,862	22			
75,760	89.6	247	27,039	84.4	238	64,288	83.2	499	34,474	57.7	309	17,898	4.2	3,935	23			
347,607	82.5	186	224,228	86.9	212	17,095	69.3	605	251,408	70.3	264	39,401	2.0	3,439	24			
226,673	89.1	222	100,299	87.2	218	28,431	77.2	662	153,650	71.1	271	21,770	1.9	2,470	25			
202,623	86.5	209	77,958	80.8	225	4,221	80.3	599	90,923	63.7	262	15,015	2.0	4,316	26			
175,973	78.2	200	83,403	69.0	213	11,453	83.9	639	104,189	67.6	274	46,316	4.7	5,387	27			
2,197,956	40.4	155	505,720	10.3	144	115,982	47.2	301	929,214	17.8	103	196,852	0.9	3,908	28			
61,225	38.0	122	192,580	28.3	79	47,381	81.3	240	741,962	38.0	81	191	(2)	1,738	29			
26,853	49.0	134	15,785	12.5	175	2,288	30.7	433	7,751	8.2	218	12,555	1.2	3,258	30			
104,715	33.2	117	17,628	3.6	123	1,840	54.4	167	17,802	7.2	94	2,770	0.2	2,357	31			
167,126	70.5	151	19,410	8.7	189	1,871	43.8	410	10,960	9.3	151	27,645	2.5	3,293	32			
316,273	25.6	158	52,290	5.6	161	1,219	14.7	240	63,884	5.1	169	525	(2)	2,419	33			
515,391	46.0	160	69,351	7.3	193	23,929	36.7	386	28,241	7.6	221	94,855	2.5	4,102	34			
477,324	50.5	166	62,565	10.7	210	29,894	36.5	325	55,798	5.0	258	55,203	2.0	4,155	35			
529,049	38.4	152	76,111	8.3	182	7,560	21.9	286	32,816	5.0	203	3,108	0.1	3,470	36			
1,386,071	84.8	294	1,922,549	98.6	354	135,078	77.0	516	366,634	29.8	210	216,634	2.5	1,710	37			
146,377	83.2	226	853,978	98.5	238	2,327	32.1	242	234,515	28.6	176	35,041	1.5	2,238	38			
212,428	74.0	282	351,911	98.7	398	2,419	35.2	530	44,539	24.2	274	43,182	2.9	1,691	39			
136,386	83.8	300	103,872	98.2	420	10,864	63.5	772	15,599	46.2	330	29,584	3.0	1,419	40			
208,766	83.0	299	174,087	99.7	490	3,470	54.6	546	8,870	18.6	297	15,647	2.1	1,545	41			
105,131	66.1	262	136,443	95.4	414	2,631	53.9	429	25,194	43.5	302	13,484	1.6	2,018	42			
321,741	95.6	309	203,950	99.9	499	19,119	59.7	572	20,143	47.1	318	39,461	3.2	1,606	43			
184,749	97.9	304	85,839	99.9	518	5,649	91.0	528	11,320	49.1	353	20,362	3.4	1,604	44			
63,276	95.7	399	12,339	98.1	531	77,079	86.9	489	5,472	30.2	369	17,068	5.1	1,474	45			
7,217	95.2	450	130	78.8	862	11,520	66.7	419	982	41.7	585	2,805	3.7	1,621	46			
2,584,686	63.7	212	972,227	84.1	209	320,594	75.2	254	23,877	50.0	309	1,530,228	37.0	198	675,866	3.7	4,299	47
444,386	45.5	198	100,884	44.7	184	4,210	52.1	235	74,099	16.6	218	104,307	3.8	3,767	48			
390,152	52.1	205	112,933	78.5	212	1,006	46.6	278	112,508	18.8	206	121,858	4.5	4,126	49			
632,568	83.3	244	217,453	92.7	240	2,761	98.9	256	198,070	24.3	224	189,828	6.3	4,865	50			
404,223	77.6	169	237,810	94.5	185	3,922	145.4	157	360,205	52.1	161	87,169	3.7	4,233	51			
55,318	92.1	195	85,135	110.7	205	1,496	55.6	396	186,159	82.4	185	15,988	1.9	3,814	52			
96,864	71.0	204	49,340	112.6	200	507	15.5	312	110,936	90.9	200	26,389	2.6	4,249	53			
235,991	63.2	233	89,860	72.7	221	315	76.8	229	3,989	35.7	510	162,152	56.7	218	50,638	3.0	4,655	54
93,548	82.3	211	78,812	152.0	220	1,883	32.6	357	195,005	97.5	208	21,916	1.4	3,644	55			
56,224	82.5	234	2,206	83.1	279	668	26.3	524	54,023	87.5	233	15,271	2.5	4,603	56			
98,842	61.9	204	80,249	85.4	240	992	38.8	272	50,638	18.5	210	19,678	2.8	4,252	57			
76,570	55.1	250	237,824	72.3	258	2,443	60.2	314	26,433	6.5	193	22,854	2.4	3,279	58			
8,734	75.3	514	...	...	...	9,002	63.6	1,055	2,128	65.9	627	16,666	4.2	2,300	59
3,570	78.9	576	...	...	...	3,459	84.5	1,732	1,858	75.4	600	6,842	3.6	2,481	60
5,164	73.0	472	...	...	...	5,543	55.1	632	270	35.2	815	9,824	4.6	2,175	61
169,842	89.1	556	45,959	79.6	414	185,445	85.4	1,377	72,942	74.5	533	125,920	11.2	1,799	62			
106,113	89.7	519	40,085	82.4	397	45,960	79.4	1,436	51,886	77.1	451	62,000	9.1	1,714	63			
63,729	88.1	617	5,874	64.8	526	139,485	87.6	1,358	21,056	68.6	733	63,920	14.3	1,882	64			
613,821	84.4	359	296,624	86.9	338	352,988	77.6	1,046	674,812	70.7	325	397,799	4.9	2,970	65			
103,003	94.0	372	85,960	88.9	351	114,072	78.0	688	98,965	71.0	328	42,848	4.2	2,822	66			
117,471	96.7	351	112,486	93.1	322	41,031	77.5	803	163,256	81.3	311	33,170	3.3	3,037	67			
36,551	86.8	343	9,875	79.3	356	17,343	70.8	640	64,929	75.4	304	41,366	6.8	3,347	68			
44,964	85.3	336	28,726	87.9	329	17,042	76.3	1,485	85,296	70.4								

USE OF FERTILIZER AND LIME

Table 2.—USE OF FERTILIZER FOR SPECIFIED CROPS AND USE OF
[For data for 20 irrigated]

	State and economic area	Fertilizer											
		All crops and all pasture fertilized			Hay and cropland pasture fertilized			Other pasture fertilized			All crops fertilized except hay		
		Acres	Percent of total acres	Quantity used per acre (pounds)	Acres	Percent of total acres	Quantity used per acre (pounds)	Acres	Percent of total acres	Quantity used per acre (pounds)	Acres	Percent of total acres	Quantity used per acre (pounds)
1	North Carolina, total	4,877,997	65.4	573	527,714	33.3	386	196,366	15.4	402	4,134,007	89.9	607
2	Areas 1 and A	215,854	23.8	527	59,428	17.8	393	29,173	7.0	346	126,914	83.3	634
3	Area 2	99,901	47.9	391	29,598	44.9	399	6,685	11.3	392	63,023	75.1	390
4	Areas 3, B, and C	591,636	60.5	574	95,512	32.3	370	39,078	18.6	421	453,972	96.0	634
5	Area 4a	210,567	58.5	405	32,635	29.0	345	15,455	19.5	359	162,591	96.8	420
6	Area 4b	388,159	64.7	359	65,453	41.1	342	27,269	24.3	335	234,127	99.4	369
7	Areas 5 and D	485,899	69.0	441	72,052	37.1	378	30,289	23.1	363	379,826	100.4	463
8	Areas 6 and E	629,865	77.7	666	47,793	40.1	407	12,861	18.6	414	566,966	91.2	696
9	Area 7	477,329	74.6	577	18,541	34.6	482	8,220	20.8	511	447,877	82.0	586
10	Area 8	703,911	82.0	684	32,641	41.1	397	8,398	18.6	531	660,904	90.1	703
11	Area 9	420,558	77.8	574	37,804	51.4	359	3,821	12.2	418	377,784	86.7	599
12	Area 10	203,800	72.6	583	7,028	35.9	437	1,700	6.1	593	195,251	83.6	588
13	Area 11	510,518	76.1	678	29,229	36.6	492	13,417	24.3	557	464,772	86.8	697
14	Ohio, total	6,659,173	44.3	291	447,724	10.4	302	108,261	3.8	309	6,095,727	77.8	290
15	Areas 1 and A	1,124,112	52.6	273	57,768	14.1	262	3,305	5.2	273	1,055,404	63.4	275
16	Area 2	1,264,113	53.7	258	67,736	10.9	279	11,205	6.8	263	1,174,453	74.9	299
17	Areas 3, B, C, and D	1,805,954	54.0	276	116,142	11.5	296	23,423	6.4	314	1,669,744	84.8	273
18	Areas 4a and E	263,402	51.6	350	14,830	12.3	368	2,786	6.7	346	244,286	73.9	351
19	Area 4b	431,449	47.6	308	31,992	11.5	332	11,359	4.4	312	388,238	86.1	305
20	Areas 5, F, G, and H	431,559	41.3	347	33,745	9.9	326	8,978	3.5	277	390,076	87.1	350
21	Area 6a	391,419	42.2	302	30,082	10.0	280	9,095	4.2	307	352,981	86.5	303
22	Areas 6b and J	299,163	22.5	332	29,381	7.2	309	15,320	2.5	298	256,457	84.2	334
23	Areas 7 and K	389,193	36.6	317	26,367	6.1	323	7,840	4.1	381	359,030	80.8	312
24	Areas 8a and L	139,171	24.1	337	19,429	10.2	317	6,403	2.6	335	113,794	81.1	339
25	Area 8b	119,638	14.3	371	20,252	9.3	372	8,547	1.7	324	91,264	83.2	374
26	Pennsylvania, total	3,198,221	38.7	381	389,428	12.3	353	115,615	6.4	354	2,695,262	82.0	385
27	Areas 1a, A, and B	247,145	34.5	369	15,885	6.4	330	5,515	2.8	372	225,540	84.2	372
28	Area 1b	144,885	31.8	330	14,742	7.7	356	4,506	3.9	370	126,703	85.3	323
29	Area 2	175,632	15.0	365	32,313	6.7	367	6,023	1.2	424	138,182	77.2	360
30	Area 3	95,519	41.3	359	13,514	14.8	326	3,095	7.4	425	78,790	80.3	362
31	Area 4a	148,549	35.8	309	17,117	9.2	292	6,302	9.2	313	125,425	77.9	310
32	Area D	131,458	22.1	331	22,530	7.7	298	5,613	3.8	323	103,660	66.2	337
33	Areas 4b and E	144,976	24.8	366	22,410	8.5	356	6,242	3.7	384	116,298	75.9	367
34	Areas 5 and F	148,552	45.4	298	46,871	13.6	305	12,109	9.1	319	359,077	81.0	297
35	Areas 6, C, and G	287,322	51.0	418	33,084	15.8	336	6,605	10.5	380	247,517	85.1	430
36	Areas 7 and H	436,421	52.9	337	44,009	16.3	361	16,170	14.1	324	374,747	85.1	336
37	Areas J and K	406,278	56.7	468	37,604	19.1	392	16,260	15.3	364	351,879	85.3	481
38	Areas L, M, and N	561,484	52.9	456	89,349	23.9	392	27,175	17.7	357	447,444	83.7	472
39	Rhode Island, total (Areas 1 and A)	15,801	27.2	733	8,085	21.9	483	575	5.0	400	7,301	76.1	1,019
40	South Carolina, total	3,257,202	70.1	477	457,510	41.1	349	121,342	20.5	325	2,665,320	90.7	508
41	Area 1	87,999	58.7	393	9,322	28.6	265	8,586	17.0	300	69,828	104.4	423
42	Area 2	454,379	63.0	406	89,310	39.5	351	32,961	22.6	281	331,309	94.8	435
43	Area 3	235,209	56.1	405	55,533	35.3	343	21,470	22.7	306	157,654	94.5	442
44	Area 4	237,879	55.9	384	44,000	27.7	311	17,771	20.8	325	175,521	96.9	409
45	Areas 5, A, and B	374,373	70.2	434	43,125	38.1	323	11,001	19.8	264	319,009	87.5	456
46	Area 6	1,116,784	80.2	468	118,019	51.1	332	15,390	22.6	376	978,325	89.5	488
47	Area 7	505,306	79.6	636	55,390	59.4	349	6,698	14.2	452	440,141	89.0	679
48	Areas 8 and C	245,273	66.3	576	42,811	42.3	487	7,465	16.4	474	193,533	86.8	604
49	Tennessee, total	3,224,692	33.1	330	668,973	15.2	304	156,331	8.8	308	2,400,164	67.1	338
50	Areas 1 and A	825,422	39.3	311	61,545	8.7	320	23,010	12.9	268	742,515	61.3	311
51	Area 2	392,525	40.5	286	41,732	12.8	299	8,347	5.9	325	343,471	68.4	282
52	Area 3	240,410	40.1	279	37,198	15.3	298	8,904	8.7	365	193,508	76.4	272
53	Area 4	201,796	36.0	402	30,923	12.0	289	10,420	11.5	312	160,207	75.3	431
54	Areas 5 and B	400,017	20.8	268	103,202	11.3	237	27,979	5.6	232	266,840	52.7	286
55	Area 6	376,763	36.6	330	104,838	21.5	299	18,528	9.1	333	254,431	75.2	341
56	Area 7	105,898	35.5	376	34,618	20.7	318	5,960	13.5	405	66,009	76.2	399
57	Areas 8a, C, and D	327,677	31.7	371	139,878	22.6	324	23,383	11.8	369	164,522	76.1	411
58	Area 8b	354,184	28.4	431	115,039	17.1	337	29,800	9.1	310	208,661	83.9	502
59	Vermont, total	211,634	12.7	432	130,737	14.2	400	16,360	2.5	366	64,416	70.3	514
60	Area 1	102,140	13.0	413	61,880	14.0	382	7,318	2.5	309	32,882	64.8	486
61	Area 2	109,494	12.5	449	68,857	14.5	411	9,042	2.5	412	31,534	77.2	543
62	Virginia, total	2,361,824	33.5	544	525,342	22.2	488	209,726	7.8	457	1,626,433	82.0	573
63	Area 1	50,130	16.3	421	12,944	11.2	356	7,065	4.7	319	29,969	75.0	476
64	Area 2	214,851	19.8	441	66,692	21.6	410	34,745	5.3	362	113,454	90.6	484
65	Areas 3 and A	124,371	15.9	486	50,047	17.5	512	19,225	4.5	513	55,017	78.4	455
66	Area 4	211,199	24.0	410	47,325	18.5	484	21,665	5.0	503	142,622	74.3	371
67	Areas 5 and B	325,522	28.1	466	99,376	19.5	538	38,355	9.2	476	189,049	82.3	422
68	Areas 6 and C	329,902	35.7	484	88,989	24.0	466	37,725	12.0	450	204,060	85.5	499
69	Area 7	384,608	45.2	619	80,378	23.7	446	30,899	15.3	451	272,128	88.1	691
70	Areas 8 and 9	270,676	59.2	463	44,947	39.6	525	9,804	17.3	484	215,970	75.2	449
71	Area 10	301,982	78.2	674	23,532	52.7	635	9,493	33.7	623	268,018	85.5	681
72	Areas 11 and D	148,583	69.9	966	11,112	48.4	629	750	7.1	539	136,146	76.1	1,000
73	West Virginia, total	367,621	9.6	369	96,229	7.8	373	29,420	1.3	337	243,158	66.7	369
74	Areas 1 and A	25,759	6.4	391	8,888	5.6	437	870	0.4	559	15,997	46.4	356
75	Areas 2a and B	46,668	10.5	382	14,746	7.8	367	6,082	3.0	270	26,069	50.9	413
76	Area 2b	46,107	4.7	392	18,456	6.5	375	6,030	0.9	276	21,931	59.0	432
77	Area 3	42,579	7.6	388	15,334	8.3	371	3,540	1.0	358	23,694	77.6	404
78	Areas 4 and C	27,576	12.2	334	5,915	5.7	299	1,170	1.3	345	20,596	61.4	342
79	Area 5	114,448	11.3	373	23,153	9.5	372	9,352	1.4				

USE OF FERTILIZER AND LIME

LIME, BY ECONOMIC AREAS, FOR 28 SPECIFIED STATES: CENSUS OF 1954—Continued

States, see Table 3]

Fertilizer—Continued												Lime			
Specified crops fertilized			Specified crops fertilized			Fruits, vegetables, and potatoes fertilized			Other crops fertilized except hay			Acres limed	Percent of total cropland plus improved pasture	Quantity used per acre (pounds)	
Acres	Percent of total acres	Quantity used per acre (pounds)	Acres	Percent of total acres	Quantity used per acre (pounds)	Acres	Percent of total acres	Quantity used per acre (pounds)	Acres	Percent of total acres	Quantity used per acre (pounds)				
<i>Corn</i>			<i>Tobacco</i>												
1,967,272	97.6	464	656,048	98.6	1,284	171,537	100.6	892	1,339,150	76.7	442	312,462	4.2	1,904	1
77,389	88.1	453	10,652	96.8	1,445	31,937	85.2	825	6,936	43.4	487	47,017	7.6	2,349	2
31,127	84.8	335	3,850	96.6	1,161	6,205	98.3	389	21,841	59.1	324	12,059	5.6	2,260	3
190,773	98.4	385	141,008	99.3	1,170	16,640	127.4	678	105,551	81.3	356	33,703	3.7	2,436	4
62,301	96.8	364	12,528	96.4	1,077	6,832	99.6	618	80,430	96.6	340	18,942	4.7	2,099	5
59,157	92.5	368	1,559	97.4	1,164	4,140	166.8	562	169,271	101.0	352	43,003	8.1	2,022	6
164,287	98.8	424	595	97.9	1,082	8,514	99.0	677	266,430	101.1	465	30,076	4.1	2,125	7
282,345	94.5	485	131,185	99.5	1,286	22,096	108.6	874	131,340	70.6	525	13,822	1.6	1,878	8
224,686	99.1	559	36,179	97.1	1,330	3,076	85.4	787	177,936	65.4	455	32,477	5.1	1,213	9
390,319	97.5	463	159,548	98.2	1,367	9,187	101.8	928	101,850	63.0	539	15,579	1.8	1,237	10
156,300	97.4	439	50,565	96.8	1,332	12,055	82.3	804	158,864	76.3	502	10,329	1.8	1,665	11
98,274	98.4	513	12,912	99.4	1,296	16,160	83.0	1,497	67,905	67.1	347	21,759	2.3	1,822	12
284,214	94.4	444	95,467	99.0	1,288	28,695	104.6	1,109	50,796	42.4	477	33,697	4.8	1,568	13
<i>Wheat</i>			<i>Wheat</i>												
3,321,667	92.9	281	1,544,391	90.6	290	107,066	68.5	679	1,122,603	46.8	266	841,187	6.4	3,681	14
527,311	88.4	264	287,634	87.8	321	21,916	83.2	663	218,543	30.6	242	61,901	2.9	2,760	15
644,943	95.5	260	269,577	88.8	273	5,770	75.0	486	25,163	43.7	225	113,140	5.0	3,776	16
993,442	95.8	270	417,540	95.7	277	9,590	56.3	669	245,172	52.1	344	137,448	4.4	3,835	17
112,163	93.7	325	19,299	90.6	324	15,956	67.8	712	56,868	46.6	330	43,360	8.5	4,249	18
182,511	95.6	306	112,017	90.6	303	6,855	78.8	988	86,855	68.1	211	95,052	11.8	3,685	19
166,287	94.4	329	96,055	89.6	334	22,201	63.5	719	106,433	81.5	311	113,113	11.8	3,882	20
149,308	97.0	374	101,997	93.9	309	3,097	70.8	417	48,579	54.1	267	62,551	8.1	3,471	21
134,093	89.0	324	71,045	86.6	320	7,760	61.8	724	43,559	73.5	297	89,989	10.4	3,615	22
226,704	85.9	282	98,276	89.1	281	3,620	54.1	494	30,430	48.0	579	68,561	7.0	3,790	23
74,068	83.4	308	17,054	83.6	333	4,800	67.9	485	12,872	71.3	474	26,848	6.4	3,353	24
55,737	85.2	352	14,897	74.7	349	5,501	76.5	690	15,129	88.7	344	29,224	7.2	3,591	25
1,136,992	88.8	355	575,949	87.1	333	196,249	72.3	906	786,072	73.3	329	648,664	8.6	2,705	26
89,950	92.5	335	43,180	82.5	316	24,340	71.8	758	68,070	80.8	307	59,345	9.5	3,237	27
47,898	93.2	328	26,705	90.0	305	3,893	50.8	641	48,207	80.6	291	44,027	10.0	3,001	28
61,403	85.1	334	8,002	78.3	338	6,027	60.6	956	62,550	72.3	327	83,776	10.7	2,723	29
32,744	88.7	374	1,486	86.4	323	2,620	61.8	911	27,940	71.6	307	20,734	9.1	2,456	30
46,034	88.2	324	38,271	82.3	306	1,937	41.5	696	49,183	70.5	275	46,942	10.6	2,637	31
45,144	79.8	326	19,421	68.6	330	5,256	40.9	501	33,339	57.4	321	49,737	9.0	2,797	32
42,931	81.5	354	17,820	82.4	344	4,707	48.2	1,061	50,840	73.5	320	42,677	8.8	2,770	33
146,325	88.3	288	84,481	88.7	301	11,748	64.6	562	116,023	70.9	269	58,997	6.4	2,947	34
89,066	94.2	381	52,599	92.7	346	25,921	74.2	714	73,931	75.4	316	55,751	9.3	2,336	35
169,034	88.0	316	90,922	91.3	312	36,137	83.3	525	78,664	74.9	311	57,575	7.4	2,937	36
162,824	89.2	390	93,916	86.7	364	28,915	79.9	1,182	66,234	77.5	551	47,998	7.1	2,372	37
203,439	90.1	428	88,146	89.0	368	44,758	80.5	1,158	111,101	72.2	346	81,105	7.9	2,261	38
<i>Tobacco</i>			<i>Tobacco</i>												
4,151	88.5	611	...	...	...	2,625	61.8	1,259	525	80.4	3,036	3,222	5.7	2,052	39
<i>Cotton</i>			<i>Cotton</i>												
1,020,552	98.5	399	784,748	98.2	547	130,289	84.3	826	729,731	76.9	504	143,180	2.9	1,740	40
29,222	98.3	342	14,416	98.5	387	2,859	76.1	742	23,331	124.5	317	8,642	5.4	1,837	41
89,133	96.8	394	4,920	98.6	578	25,893	87.7	608	124,363	92.5	317	38,898	4.9	1,593	42
49,527	97.5	377	58,183	99.7	596	5,349	89.1	532	44,595	86.0	306	11,988	2.6	1,848	43
62,253	97.7	357	42,332	98.6	593	5,092	92.0	827	65,844	95.4	307	17,489	4.0	1,766	44
120,390	98.2	358	49,154	94.0	627	16,769	80.0	674	62,696	68.5	347	12,244	2.0	1,984	45
341,792	94.3	376	326,718	97.6	603	42,972	90.5	726	266,843	72.8	448	35,492	2.4	1,791	46
210,091	100.0	449	116,368	98.1	576	10,094	84.7	1,340	103,588	67.4	1,218	4,846	1.5	1,473	47
118,144	95.9	450	35,657	97.8	593	21,261	72.3	1,399	18,471	54.4	673	8,581	2.1	1,859	48
<i>Tobacco</i>			<i>Tobacco</i>												
1,320,433	72.5	255	92,966	84.3	1,232	55,246	74.8	684	431,521	58.9	340	144,330	1.6	3,223	49
263,088	59.2	241	45	45.0	356	11,049	54.8	731	468,337	62.7	337	62,617	1.1	2,927	50
219,206	70.9	219	2,300	95.9	598	3,054	56.5	387	118,911	64.4	386	14,287	1.7	2,927	51
140,721	83.0	217	5,323	97.3	946	2,546	78.6	584	44,918	59.7	344	8,134	1.3	3,193	52
97,130	86.7	304	24,324	99.9	1,097	1,802	83.7	650	36,951	49.9	318	8,470	1.5	3,193	53
160,470	56.9	223	11,974	73.4	402	3,429	55.2	520	90,967	45.1	299	22,157	1.4	2,577	54
186,595	86.6	368	9,889	98.3	1,279	4,715	83.9	842	53,232	49.8	363	18,977	1.9	3,723	55
45,032	86.7	316	454	94.2	1,696	10,556	109.2	723	9,967	40.7	356	7,963	2.7	4,469	56
95,485	82.9	302	9,882	96.9	1,534	10,178	95.6	669	48,977	61.1	332	23,793	2.4	3,403	57
112,706	92.0	324	28,773	98.5	1,461	7,917	73.8	714	59,265	68.9	327	17,395	1.7	3,566	58
41,719	70.2	427	35	100.0	2,000	9,238	80.5	1,010	13,424	65.0	424	57,543	5.1	2,324	59
22,530	70.3	427	...	...	...	2,678	75.5	1,036	7,674	50.8	435	27,262	5.0	2,172	60
19,189	70.0	421	35	100.0	2,000	6,560	82.7	999	5,750	103.8	411	30,281	5.2	2,461	61
779,679	90.0	485	118,017	96.9	1,261	158,964	79.4	929	569,773	71.5	443	332,155	4.0	2,726	62
20,668	78.1	357	2,377	84.9	1,620	2,887	64.5	583	4,077	61.9	329	3,262	1.7	3,001	63
66,435	93.9	344	9,015	98.4	1,495	5,244	66.5	620	32,260	87.3	349	3,535	6.0	4,270	64
27,267	80.2	483	90	94.7	1,333	5,615	42.4	476	22,045	96.6	407	28,170	5.9	3,079	65
51,826	71.8	355	...	...	...	24,507	72.4	361	66,589	77.1</					

USE OF FERTILIZER AND LIME

Table 2—USE OF FERTILIZER FOR SPECIFIED CROPS AND USE OF
[For data for 20 irrigated

State and economic area	Fertilizer											
	All crops and all pasture fertilized			Hay and cropland pasture fertilized			Other pasture fertilized			All crops fertilized except hay		
	Acres	Percent of total acres	Quantity used per acre (pounds)	Acres	Percent of total acres	Quantity used per acre (pounds)	Acres	Percent of total acres	Quantity used per acre (pounds)	Acres	Percent of total acres	Quantity used per acre (pounds)
1 Wisconsin, total	3,270,043	26.5	223	255,927	4.2	257	37,157	1.5	262	3,592,894	59.8	220
2 Areas 1 and A	135,190	14.5	357	14,630	2.9	280	1,385	0.6	261	119,125	55.9	368
3 Area 2a	481,421	23.5	190	19,790	2.4	250	3,920	1.1	226	457,701	53.4	187
4 Area 2b	285,515	23.5	217	11,622	2.4	264	4,865	1.7	271	269,058	63.2	214
5 Area 3	430,043	26.4	189	17,129	2.9	259	8,260	1.9	269	408,724	68.0	183
6 Area 4	382,043	21.2	219	27,783	3.5	229	4,085	1.0	206	351,665	61.6	217
7 Area 5	256,184	27.0	244	18,135	4.3	238	1,760	1.2	286	237,484	61.3	242
8 Area 6	275,266	23.8	258	43,543	7.2	254	1,085	1.0	182	231,658	53.2	258
9 Area 7	380,228	21.9	219	34,501	4.3	246	2,265	2.0	262	344,997	42.5	215
10 Areas 8 and B	1,098,795	38.6	212	59,969	6.1	266	9,162	2.7	299	1,035,454	67.8	207
11 Areas 9 and C	145,358	49.4	331	8,825	9.4	329	370	1.8	178	137,028	76.2	329

LIME, BY ECONOMIC AREAS, FOR 28 SPECIFIED STATES: CENSUS OF 1954—Continued

States, see Table 3]

Fertilizer—Continued												Lime			
Specified crops fertilized			Specified crops fertilized			Fruits, vegetables, and potatoes fertilized			Other crops fertilized except hay			Acres limed	Percent of total cropland plus improved pasture	Quantity used per acre (pounds)	
Acres	Percent of total acres	Quantity used per acre (pounds)	Acres	Percent of total acres	Quantity used per acre (pounds)	Acres	Percent of total acres	Quantity used per acre (pounds)	Acres	Percent of total acres	Quantity used per acre (pounds)				
<i>Corn</i>			<i>Oats</i>												
2,075,001	79.3	199	1,220,307	44.6	206	175,651	55.5	494	121,935	36.3	291	514,787	4.0	3,875	1
44,324	72.3	223	51,461	43.8	263	18,960	80.8	1,015	4,380	41.1	282	26,662	3.4	4,011	2
309,824	82.1	180	130,390	32.8	195	6,372	38.1	261	11,115	17.0	230	76,963	4.4	4,144	3
172,140	78.4	198	86,256	49.0	216	3,312	37.4	302	7,350	34.8	466	47,297	4.9	3,749	4
288,005	85.8	180	113,412	48.0	184	2,879	49.3	306	4,428	19.0	282	59,614	4.7	5,075	5
162,068	79.8	202	173,362	54.5	214	7,232	45.1	521	9,003	26.6	247	85,167	5.9	4,224	6
127,876	73.5	197	88,102	56.4	225	11,764	56.9	851	9,742	26.8	258	45,197	4.8	3,540	7
94,707	65.2	222	111,949	46.7	235	15,982	48.6	584	9,020	51.9	326	26,205	2.4	2,650	8
161,544	61.0	209	137,507	31.4	197	23,042	38.3	301	22,904	46.9	273	41,725	2.5	1,572	9
641,353	85.3	203	294,063	48.4	185	71,655	61.8	283	28,383	55.8	303	99,116	3.8	4,235	10
73,160	86.3	259	33,805	66.3	231	14,453	90.5	943	15,610	55.6	288	6,841	2.3	2,115	11

USE OF FERTILIZER AND LIME

Table 3.—USE OF FERTILIZER FOR SPECIFIED CROPS AND USE OF LIME, FOR IRRIGATED AND

[For data for 28 specified

State and economic area	Fertilizer											
	All crops and all pasture fertilized			Hay and cropland pasture fertilized			Other pasture fertilized			All crops fertilized except hay		
	Acres	Percent of total acres	Quantity used per acre (pounds)	Acres	Percent of total acres	Quantity used per acre (pounds)	Acres	Percent of total acres	Quantity used per acre (pounds)	Acres	Percent of total acres	Quantity used per acre (pounds)
1 20 States, total	33,661,056	5.6	258	3,939,991	6.7	221	1,538,275	0.4	247	28,193,512	21.3	264
2 Irrigated farms	12,415,944	7.5	349	1,650,755	10.2	237	411,477	0.3	274	10,359,455	40.2	369
3 Non-irrigated farms ..	21,245,112	4.8	205	2,289,236	5.4	209	1,126,798	0.4	237	17,834,057	16.7	203
4 Arizona, total	798,823	2.5	310	82,499	19.7	242	759	(2)	137	715,879	81.7	318
5 Irrigated farms	798,668	4.9	310	82,359	22.7	242	744	(2)	137	715,879	85.3	318
6 Non-irrigated farms ..	155	(2)	142	140	0.2	143	15	(2)	133	...	...	...
7 Area 1	8,534	(2)	199	4,007	3.6	189	15	(2)	133	4,512	12.3	209
8 Irrigated farms	8,384	0.1	200	3,872	5.9	191	...	...	...	4,512	23.4	209
9 Non-irrigated farms ..	150	(2)	133	135	0.3	133	15	(2)	133	...	...	...
10 Area A	354,617	14.4	315	38,256	26.4	221	363	(2)	66	316,200	88.9	326
11 Irrigated farms	354,612	22.6	315	38,251	26.5	221	363	(2)	66	316,200	88.9	326
12 Non-irrigated farms ..	5	(2)	400	5	0.7	400	...	...	...	...	...	...
13 Area 2a	357,130	13.1	324	33,860	30.6	275	29	(2)	207	323,412	90.3	329
14 Irrigated farms	357,130	20.0	324	33,860	31.2	275	29	(2)	207	323,412	90.3	329
15 Non-irrigated farms ..	...	...	...	...	...	...	...	...	...	...	...	...
16 Area 2b	78,542	0.9	242	6,376	12.3	228	352	(2)	205	71,755	57.2	244
17 Irrigated farms	78,542	1.6	242	6,376	14.7	228	352	(2)	205	71,755	57.1	244
18 Non-irrigated farms ..	...	...	...	...	...	...	...	...	...	...	...	...
19 Arkansas, total	2,932,956	29.5	236	252,576	7.9	231	75,862	3.8	187	2,603,047	54.7	239
20 Irrigated farms	694,899	40.1	211	35,091	14.2	203	7,645	6.7	194	650,806	47.4	212
21 Non-irrigated farms ..	2,238,057	27.2	244	217,485	7.4	236	68,217	3.6	186	1,952,241	57.7	248
22 Area 1a	89,658	20.5	234	34,458	13.5	231	3,885	3.4	224	51,480	75.0	236
23 Irrigated farms	2,540	19.0	270	725	10.5	265	...	...	...	1,815	58.7	272
24 Non-irrigated farms ..	87,118	20.5	233	33,733	13.6	230	3,885	3.5	224	49,665	75.7	235
25 Area 1b	107,017	10.0	261	37,178	5.7	274	6,585	2.1	231	63,372	58.7	257
26 Irrigated farms	3,033	19.4	397	1,074	9.5	432	145	6.2	910	1,814	87.8	335
27 Non-irrigated farms ..	103,984	9.9	257	36,104	5.6	269	6,440	2.1	216	61,558	58.2	254
28 Area 2	117,764	12.7	262	25,618	7.0	261	11,481	2.8	216	81,144	51.9	268
29 Irrigated farms	8,265	31.9	287	1,280	20.7	253	4,800	7.2	279	6,505	49.7	294
30 Non-irrigated farms ..	109,499	12.2	261	24,338	6.8	261	11,001	2.8	213	74,639	52.1	266
31 Areas 3 and A	211,762	19.6	262	26,777	5.5	252	4,992	2.1	256	180,515	50.9	263
32 Irrigated farms	21,316	32.0	237	2,575	18.3	289	4,500	4.4	360	17,904	42.2	231
33 Non-irrigated farms ..	190,446	18.7	265	24,202	5.1	248	4,542	2.0	246	162,611	52.1	267
34 Area 4	56,151	10.1	244	18,657	6.3	251	6,431	3.2	192	30,978	55.2	250
35 Irrigated farms	4,845	22.7	187	907	9.3	267	834	13.0	211	3,049	58.5	159
36 Non-irrigated farms ..	51,306	9.6	244	17,750	6.2	251	5,597	2.9	189	27,929	54.9	260
37 Area 5	157,883	22.4	237	19,529	7.4	211	13,304	5.0	150	125,355	72.5	250
38 Irrigated farms	5,552	29.1	235	195	3.6	123	245	5.6	229	5,167	55.2	237
39 Non-irrigated farms ..	152,331	22.2	237	19,334	7.5	212	13,059	5.0	149	120,188	73.5	250
40 Area 6	184,258	30.4	270	25,858	10.9	226	7,827	4.6	197	149,958	74.3	283
41 Irrigated farms	24,116	42.1	186	3,145	24.0	248	926	8.6	112	20,035	59.8	180
42 Non-irrigated farms ..	160,142	29.1	283	22,713	10.2	223	6,901	4.4	208	129,923	77.2	299
43 Area 7a	686,851	37.4	229	16,801	7.1	193	6,330	5.3	197	663,374	44.8	230
44 Irrigated farms	173,271	30.4	203	7,314	13.6	136	1,635	6.3	164	164,685	33.5	206
45 Non-irrigated farms ..	513,580	40.6	238	9,487	5.2	237	4,695	5.0	208	498,689	50.4	239
46 Area 7b	334,066	46.7	208	13,056	9.3	208	3,446	6.5	175	315,522	60.4	209
47 Irrigated farms	264,343	51.7	197	7,539	11.2	176	1,160	5.2	200	254,422	60.3	199
48 Non-irrigated farms ..	69,723	34.1	248	5,517	7.5	252	2,286	7.5	163	61,100	60.9	254
49 Area 8a	677,187	50.0	228	14,151	12.3	235	5,525	13.2	150	657,392	55.0	228
50 Irrigated farms	92,076	41.3	231	5,194	20.2	270	1,470	21.4	120	86,025	45.2	228
51 Non-irrigated farms ..	585,111	51.8	227	8,957	10.1	215	4,055	11.5	161	571,367	56.8	228
52 Area 8b	310,359	46.6	246	20,493	14.5	140	6,056	7.5	91	283,957	64.1	257
53 Irrigated farms	95,542	45.7	230	5,143	15.7	124	300	2.0	133	89,385	55.3	238
54 Non-irrigated farms ..	214,817	47.1	254	15,350	14.1	146	5,756	8.7	89	194,572	69.1	266
55 California, total	3,874,044	13.7	421	421,456	8.9	283	88,467	0.5	270	3,368,523	51.1	441
56 Irrigated farms	3,734,432	20.8	427	392,687	11.5	288	79,242	0.9	274	3,266,989	57.0	447
57 Non-irrigated farms ..	139,612	1.4	249	28,769	2.2	205	9,225	0.1	230	101,534	11.8	263
58 Area 1	28,147	2.4	355	12,773	6.3	316	3,673	0.4	346	11,832	32.7	397
59 Irrigated farms	18,541	4.3	357	9,030	11.5	319	2,680	0.8	369	6,831	32.2	402
60 Non-irrigated farms ..	9,606	1.3	352	3,743	3.0	308	993	0.2	286	5,001	33.3	389
61 Area 2	35,587	5.9	338	7,168	4.0	258	8,543	2.7	334	19,966	19.4	367
62 Irrigated farms	15,917	7.6	315	5,194	11.5	250	4,662	3.6	417	6,066	17.5	292
63 Non-irrigated farms ..	19,670	5.0	356	1,974	1.5	279	3,881	2.1	236	13,900	20.3	399
64 Areas A and B	153,815	9.6	619	7,518	1.9	280	6,841	0.8	195	139,321	37.4	659
65 Irrigated farms	139,170	18.8	650	4,995	3.0	287	5,986	2.1	187	128,054	45.5	687
66 Non-irrigated farms ..	14,645	1.7	324	2,523	1.1	266	855	0.2	248	11,267	12.3	343
67 Area 3	185,440	6.6	944	11,110	3.8	235	3,039	0.2	321	171,346	33.6	1,001
68 Irrigated farms	168,296	12.2	1,021	8,073	5.7	265	2,929	0.3	326	157,479	54.2	1,071
69 Non-irrigated farms ..	17,144	1.2	192	3,037	2.0	156	110	(2)	182	13,867	6.3	202
70 Areas 4 and C	708,394	20.6	257	36,058	5.2	238	17,834	1.2	228	655,905	51.4	259
71 Irrigated farms	683,078	26.4	262	31,096	6.0	251	16,730	1.8	235	636,662	55.7	262
72 Non-irrigated farms ..	25,316	3.0	141	4,962	2.8	145	1,104	0.2	127	19,243	14.5	138
73 Areas 5 and D	388,438	15.8	384	64,460	9.4	300	19,679	1.8	260	303,549	43.6	411
74 Irrigated farms	376,053	19.1	388	63,780	10.5	300	19,479	2.7	259	292,129	45.0	417
75 Non-irrigated farms ..	12,385	2.6	259	6,680	0.9	318	200	0.1	300	11,420	24.2	257

NA Not available. Z Less than 0.05. ¹Over 100 percent. See text.

USE OF FERTILIZER AND LIME

187

NON-IRRIGATED FARMS, BY ECONOMIC AREAS, FOR 20 SPECIFIED STATES: CENSUS OF 1954—Continued

States, see Table 2]

Fertilizer—Continued												Lime			
Specified crops fertilized			Specified crops fertilized			Fruits, vegetables, and potatoes fertilized			Other crops fertilized except hay			Acres limed	Percent of total cropland plus improved pasture	Quantity used per acre (pounds)	
Acres	Percent of total acres	Quantity used per acre (pounds)	Acres	Percent of total acres	Quantity used per acre (pounds)	Acres	Percent of total acres	Quantity used per acre (pounds)	Acres	Percent of total acres	Quantity used per acre (pounds)				
(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	3,264,213	65.2	867	(NA)	(NA)	(NA)	1,213,073	5.5	2,565	1
(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	2,168,147	65.5	819	(NA)	(NA)	(NA)	306,921	0.6	2,324	2
(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	1,096,066	64.5	962	(NA)	(NA)	(NA)	906,152	0.5	2,646	3
<i>Cotton</i>			<i>Rice</i>												
383,253	87.5	322	...	...	...	62,132	67.3	636	270,494	78.3	238	1,394	0.1	1,786	4
383,253	87.5	322	...	...	...	62,132	68.1	636	270,494	82.1	238	1,394	0.1	1,786	5
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	6
459	84.5	292	...	...	...	321	12.0	324	3,732	11.2	188	...	...	...	7
459	84.5	292	...	...	...	321	19.0	324	3,732	21.9	188	...	...	...	8
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	9
145,975	90.3	315	...	...	...	42,203	69.5	580	128,022	96.0	254	200	(2)	1,000	10
145,975	90.3	315	...	...	...	42,203	69.5	580	128,022	96.0	254	200	(2)	1,000	11
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	12
192,444	92.3	335	...	...	...	18,449	68.8	794	112,519	91.5	237	224	(2)	2,054	13
192,444	92.3	335	...	...	...	18,449	68.8	794	112,519	91.5	237	224	(2)	2,054	14
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	15
44,375	65.9	288	...	...	...	1,159	56.2	224	26,221	46.8	170	970	0.4	1,887	16
44,375	65.9	288	...	...	...	1,159	57.3	224	26,221	46.6	170	970	0.4	1,887	17
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	18
<i>Ordn</i>			<i>Cotton</i>												
363,655	51.2	229	1,538,208	90.6	257	58,905	71.6	376	642,279	28.3	184	78,402	0.9	2,973	19
33,491	66.9	256	1,399,369	93.4	240	6,389	57.3	337	411,557	37.4	168	12,896	0.7	2,598	20
330,164	50.1	226	1,338,839	90.2	252	52,516	73.8	381	230,722	19.7	219	65,506	0.9	3,047	21
8,900	62.4	231	...	...	...	5,420	57.4	364	37,160	82.7	219	7,180	1.9	3,453	22
410	97.6	307	...	...	...	405	62.6	326	1,000	49.4	234	130	1.1	5,462	23
8,490	61.3	227	...	...	...	5,015	57.0	367	36,160	84.2	219	7,050	1.9	3,416	24
28,077	53.9	219	10,855	103.0	255	4,077	78.3	486	20,363	50.8	262	6,234	0.7	3,432	25
930	91.2	333	50	82.0	360	100	74.6	640	734	86.4	294	535	3.7	1,757	26
27,147	53.1	215	10,805	103.1	255	3,977	78.4	482	19,629	50.1	261	5,699	0.7	3,589	27
17,189	54.8	257	11,117	60.4	262	16,856	87.2	353	35,932	41.2	230	7,661	1.2	3,150	28
518	55.2	320	325	44.4	137	3,448	71.9	309	2,214	33.4	277	365	1.6	4,192	29
16,671	54.8	255	10,792	61.1	264	13,408	92.3	365	33,768	41.8	227	7,296	1.2	3,098	30
47,867	54.3	239	97,736	92.4	275	5,401	74.1	451	24,511	19.2	229	5,870	0.6	3,593	31
2,840	61.7	280	4,648	97.9	250	225	44.5	524	5,191	18.9	119	536	0.8	4,190	32
45,027	53.8	236	88,088	91.8	277	5,176	76.3	448	24,320	19.3	248	5,334	0.6	3,533	33
13,893	50.4	233	4,535	103.4	281	3,715	74.3	350	8,835	46.2	216	6,805	1.5	2,283	34
410	44.0	268	60	22.2	17	434	20.2	294	1,445	73.1	132	807	4.1	1,998	35
13,483	50.6	232	4,475	103.7	282	5,581	82.6	352	6,390	40.4	349	5,998	1.4	2,322	36
35,333	74.2	234	56,010	85.2	258	3,432	72.5	331	14,520	41.1	191	5,993	1.0	1,578	37
398	36.7	367	1,583	85.5	220	1,031	74.4	382	2,155	38.7	156	155	0.8	323	38
34,935	74.1	233	64,427	95.8	254	8,461	72.2	325	12,365	41.6	197	5,838	1.0	1,611	39
38,535	73.1	235	77,175	88.3	325	6,781	103.1	476	27,467	49.9	178	5,583	1.0	2,532	40
1,370	68.9	152	3,809	92.5	334	160	126.0	488	14,696	53.9	139	653	1.2	2,236	41
37,165	73.3	236	73,366	88.1	325	6,621	102.7	476	12,771	46.0	224	4,930	1.0	2,571	42
73,818	38.1	232	471,048	94.1	247	3,247	40.8	284	115,261	14.8	156	16,436	0.9	3,103	43
7,542	26.9	276	62,261	93.6	276	237	22.1	346	94,645	23.1	151	5,060	0.8	2,373	44
66,276	37.0	238	408,787	94.1	242	3,010	43.7	279	20,616	5.6	176	11,376	0.9	3,427	45
13,871	61.2	224	76,290	87.4	281	1,027	71.7	343	224,334	54.6	181	5,780	0.5	3,743	46
5,399	72.6	222	32,502	91.4	313	7	2.1	571	216,514	57.2	180	1,475	0.3	2,134	47
8,472	55.6	226	43,788	84.7	257	1,020	92.5	341	7,820	24.2	216	2,305	1.1	1,734	48
60,125	46.6	201	527,120	89.6	237	1,542	35.9	236	68,605	14.5	177	7,315	0.5	3,216	49
6,982	73.5	262	48,689	92.4	273	62	11.3	129	30,292	23.7	155	915	0.4	3,239	50
93,143	44.5	193	478,431	89.3	233	1,480	39.6	241	38,313	11.1	194	6,400	0.6	3,213	51
26,047	51.5	241	196,322	90.3	288	1,347	50.1	373	60,241	34.9	157	5,545	0.8	2,502	52
6,692	9.4	247	40,442	96.9	319	580	61.5	290	41,671	37.7	157	2,265	1.0	2,983	53
14,355	45.9	239	155,980	88.7	279	767	44.0	435	18,570	29.9	157	3,280	0.7	2,170	54
<i>Cotton</i>			<i>Rice</i>												
745,276	84.1	383	369,863	78.0	212	1,149,793	57.9	692	1,103,591	33.9	287	70,400	0.5	3,324	55
744,782	84.7	383	369,863	78.0	212	1,115,960	61.0	707	1,037,284	40.6	293	68,117	0.6	3,862	56
494	...	462	...	...	...	34,733	21.7	407	11,307	9.4	186	2,283	0.1	2,687	57
...	...	...	...	...	...	9,683	35.6	378	1,149	23.8	456	1,714	0.6	2,039	58
...	...	...	...	...	...	6,073	49.9	394	758	8.4	398	1,094	0.9	2,170	59
...	...	...	...	...	...	3,610	24.0	343	1,391	(1)	487	620	0.4	1,806	60
...	...	...	...	...	...	15,419	22.7	383	4,547	13.0	310	915	0.3	1,952	61
...	...	...	...	...	...	4,178	30.0	333	1,888	9.1	194	350	0.3	1,286	62
...	...	...	...	...	...	11,241	20.8	401	2,659	18.8	392	565	0.2	2,365	63
...	...	...	1,535	100.0	236	103,578	53.3	752	34,208	19.3	346	7,005	0.8	3,069	64
...	...	...	1,535	100.0	236	99,478	60.1	767	27,041	23.7	417	6,750	1.3	3,070	65
...	...	...	...	...	...	4,100	14.2	389	7,167	11.4	317	255	0.1	3,059	66
996	89.6	954	...	...	...	121,872	74.8	1,223	48,478	14.0	437	2,511	0.2	2,365	67
996	89.6	954	...	...	...	120,134	82.5	1,232	36,349	25.3	533	2,021	0.4	2,245	68
...	...	...	...	...	...	1,738	10.0	585	12,149	6.0	147	490	0.1	2,857	69
...	...	...	297,272	81.7	217	115,085	65.2	410	243,548	33.1	236	6,175	0.3	4,261	70
...	...	...	297,272	81.7	217	112,202	68.2	414	227,188	37.0	244	5,960	0.3	4,205	71
...	...	...	...	...	...	2,883	24.1	255	16,360	13.5	119	216	0.1	5,814	72
20,773	71.0	335	25,325	63.1	184	176,177	54.7	512	81,274	26.6	268	16,715	1.0	3,647	73
20,773	71.0	335	25,325	63.1	184	171,307	54.7	516	74,724	28.0	278	16,675	1.2	3,654	74
...	...	...	...	...	...	4,870	55.8	391	6,550	17.0	158	40	(2)	750	75

USE OF FERTILIZER AND LIME

Table 3.—USE OF FERTILIZER FOR SPECIFIED CROPS AND USE OF LIME, FOR IRRIGATED AND

[For data for 28 specified

State and economic area	Fertilizer											
	All crops and all pasture fertilized			Hay and cropland pasture fertilized			Other pasture fertilized			All crops fertilized except hay		
	Acres	Percent of total acres	Quantity used per acre (pounds)	Acres	Percent of total acres	Quantity used per acre (pounds)	Acres	Percent of total acres	Quantity used per acre (pounds)	Acres	Percent of total acres	Quantity used per acre (pounds)
California - Continued												
1 Areas 6 and E.....	1,380,312	19.5	365	63,646	6.8	304	9,997	0.3	293	1,309,414	58.5	367
2 Irrigated farms ..	1,377,449	26.7	365	63,502	7.6	305	9,997	0.5	293	1,306,695	61.3	367
3 Non-irrigated farms	2,863	0.2	397	144	0.1	125	...	...	...	2,719	2.5	412
4 Areas 7, F, G, and H.....	353,319	8.5	658	34,967	7.2	239	7,444	0.2	278	310,596	47.4	715
5 Irrigated farms ..	336,802	17.9	677	30,231	9.0	249	6,365	0.6	277	299,925	55.3	729
6 Non-irrigated farms	16,517	0.7	285	4,736	3.1	177	1,079	0.1	287	10,671	9.5	333
7 Area 8	535,765	51.7	458	156,115	62.5	307	2,720	0.9	404	377,963	75.9	519
8 Irrigated farms ..	529,108	63.0	459	153,433	68.9	307	2,485	1.7	419	374,223	80.3	521
9 Non-irrigated farms	6,657	3.4	333	2,682	10.0	326	235	0.2	255	3,740	11.7	343
10 Area 9	104,827	2.7	234	27,641	4.4	178	8,697	0.3	247	68,631	32.6	254
11 Irrigated farms ..	90,058	3.3	256	23,353	5.0	196	7,929	0.4	256	58,925	33.9	279
12 Non-irrigated farms	14,769	1.3	101	4,288	2.6	78	768	0.1	164	9,706	26.2	107
13 Colorado, total	422,476	1.4	218	80,734	3.5	191	9,283	(Z)	169	332,273	8.5	225
14 Irrigated farms ..	370,447	2.7	233	76,807	4.7	193	7,423	0.1	182	285,896	25.2	246
15 Non-irrigated farms	52,029	0.3	104	3,927	0.6	168	1,860	(Z)	118	46,377	1.7	98
16 Area 1	11,334	0.3	167	9,589	1.9	164	415	(Z)	106	1,305	1.2	210
17 Irrigated farms ..	11,097	0.3	168	9,472	2.1	165	415	(Z)	106	1,185	2.1	218
18 Non-irrigated farms	237	(Z)	110	117	0.2	85	...	...	...	120	0.2	133
19 Area 2a	61,915	2.5	249	29,696	11.0	218	2,352	0.1	250	30,017	10.9	278
20 Irrigated farms ..	61,200	2.8	246	29,091	11.3	217	2,352	0.1	226	29,907	20.0	275
21 Non-irrigated farms	715	0.2	470	605	4.5	294	...	...	...	110	0.1	927
22 Area 2b	36,475	1.8	276	3,892	1.2	178	975	0.1	62	31,658	25.1	294
23 Irrigated farms ..	35,585	2.1	282	3,772	1.3	178	205	(Z)	195	31,658	25.1	294
24 Non-irrigated farms	890	0.3	52	120	0.3	200	770	0.3	26	...	...	...
25 Area 3	223,760	5.5	208	24,561	6.0	174	3,290	0.1	165	195,522	20.6	214
26 Irrigated farms ..	207,544	11.1	217	23,198	7.8	178	2,960	0.3	169	180,979	38.3	223
27 Non-irrigated farms	16,216	0.7	97	1,363	1.2	106	330	(Z)	133	14,543	3.0	96
28 Areas 4 and A.....	53,883	0.6	158	6,733	1.5	143	1,591	(Z)	116	45,574	2.4	162
29 Irrigated farms ..	21,640	1.4	251	5,414	5.3	156	1,081	0.1	133	15,045	9.5	295
30 Non-irrigated farms	32,243	0.4	96	1,319	0.4	92	510	(Z)	78	30,529	1.8	96
31 Area 5	35,109	0.4	267	6,263	1.9	234	660	(Z)	230	28,197	5.0	276
32 Irrigated farms ..	33,381	1.2	271	5,860	2.5	220	410	(Z)	224	27,122	16.1	283
33 Non-irrigated farms	1,728	(Z)	199	403	0.4	447	250	(Z)	240	1,075	0.3	97
34 Florida, total	2,318,739	30.5	912	223,361	23.7	383	574,594	12.0	330	1,521,002	81.2	1,209
35 Irrigated farms ..	658,963	36.0	1,259	48,171	37.2	440	171,875	14.0	347	438,700	92.9	1,706
36 Non-irrigated farms	1,659,776	28.8	774	175,190	21.6	367	402,719	11.3	323	1,082,302	77.3	1,007
37 Area 1	202,147	65.0	461	21,652	36.0	505	27,668	34.3	364	152,147	89.4	474
38 Irrigated farms ..	2,394	68.8	649	1,574	132.4	661	485	29.1	540	335	53.7	752
39 Non-irrigated farms	199,753	65.0	459	20,078	34.1	493	27,183	34.4	361	151,812	89.5	474
40 Areas 2 and A.....	107,061	38.0	896	19,376	24.2	378	32,714	30.4	472	54,828	58.5	1,334
41 Irrigated farms ..	32,210	1,636	701	3,186	58.2	701	8,275	73.6	605	20,729	108.6	2,192
42 Non-irrigated farms	74,851	30.4	578	16,190	21.7	314	24,439	25.4	427	34,119	45.6	812
43 Area 3	564,079	46.8	448	45,442	15.8	366	76,193	31.2	354	443,010	65.7	472
44 Irrigated farms ..	73,934	60.5	702	10,807	40.7	442	13,125	45.7	423	49,643	74.2	834
45 Non-irrigated farms	490,145	45.2	409	34,635	13.2	342	63,068	29.3	340	393,367	64.8	426
46 Area 4	181,844	29.1	957	18,386	58.3	213	68,604	14.1	279	95,323	90.1	1,584
47 Irrigated farms ..	98,204	37.2	988	6,170	46.8	266	37,585	19.8	268	54,493	89.8	1,565
48 Non-irrigated farms	83,640	23.2	921	12,216	66.6	186	31,019	10.4	293	40,830	90.7	1,608
49 Areas 5 and B.....	832,833	28.7	1,268	70,426	21.7	425	217,902	11.0	332	544,505	91.6	1,751
50 Irrigated farms ..	222,125	28.6	1,492	8,159	20.1	507	59,765	10.5	395	154,146	93.6	1,969
51 Non-irrigated farms	610,708	28.8	1,186	62,257	21.9	414	158,137	11.2	308	390,309	90.8	1,665
52 Areas 6 and C.....	430,775	19.0	1,027	48,089	30.9	350	151,513	8.0	302	231,169	98.8	1,644
53 Irrigated farms ..	230,096	36.7	1,282	18,275	43.0	403	52,640	12.4	287	159,304	99.5	1,710
54 Non-irrigated farms	200,679	12.2	736	29,814	26.4	317	98,873	6.8	309	71,865	97.3	1,497
55 Idaho, total	949,792	8.6	233	234,071	14.0	211	24,146	0.4	182	691,598	26.6	242
56 Irrigated farms ..	683,355	9.4	278	206,839	15.6	219	22,092	0.5	185	454,061	30.9	310
57 Non-irrigated farms	266,437	7.2	117	27,232	7.9	155	2,054	0.1	151	237,537	20.9	112
58 Area 1	99,615	3.6	145	23,442	6.0	184	1,432	0.1	159	74,858	23.2	132
59 Irrigated farms ..	29,705	1.8	208	11,987	4.6	217	900	0.1	171	16,868	15.0	202
60 Non-irrigated farms	69,910	6.5	118	11,455	8.8	150	532	0.1	139	57,990	27.6	112
61 Area 2	188,469	22.6	116	15,460	14.4	139	1,881	0.8	141	171,424	35.6	114
62 Irrigated farms ..	10,520	14.9	140	1,962	18.6	188	479	1.1	159	8,026	53.0	128
63 Non-irrigated farms	177,949	23.3	115	13,498	13.9	132	1,402	0.7	136	163,398	35.1	113
64 Area 3a	141,310	6.4	435	35,078	10.9	283	5,577	0.3	327	100,824	38.5	493
65 Irrigated farms ..	136,400	7.0	443	34,362	11.7	281	5,527	0.4	326	96,685	39.5	507
66 Non-irrigated farms	4,910	2.0	209	716	2.4	388	50	(Z)	400	4,139	23.7	176
67 Area 3b	255,783	16.2	255	82,120	26.3	211	5,630	0.7	187	167,373	38.3	279
68 Irrigated farms ..	251,858	18.7	256	80,930	27.3	210	5,560	0.9	185	164,733	40.4	281
69 Non-irrigated farms	3,925	1.7	184	1,190	7.6	235	70	(Z)	371	2,640	9.3	158
70 Area 4	264,615	7.3	220	77,971	14.6	202	9,626	0.5	107	177,119	16.1	234
71 Irrigated farms ..	254,872	11.3	226	77,598	16.7	201	9,626	0.9	107	167,749	24.4	244
72 Non-irrigated farms	9,743	0.7	80	373	0.5	408	...	...	...	9,370	2.3	67

Z Less than 0.05.

Over 100 percent. See text.

USE OF FERTILIZER AND LIME

NON-IRRIGATED FARMS, BY ECONOMIC AREAS, FOR 20 SPECIFIED STATES: CENSUS OF 1954—Continued

States, see Table 2]

Fertilizer—Continued												Lime			
Specified crops fertilized			Specified crops fertilized			Fruits, vegetables, and potatoes fertilized			Other crops fertilized except hay			Acres limed	Percent of total cropland plus improved pasture	Quantity used per acre (pounds)	
Acres	Percent of total acres	Quantity used per acre (pounds)	Acres	Percent of total acres	Quantity used per acre (pounds)	Acres	Percent of total acres	Quantity used per acre (pounds)	Acres	Percent of total acres	Quantity used per acre (pounds)				
634,622	84.2	369	38,824	69.9	196	221,060	44.9	615	414,908	44.3	247	30,016	0.8	4,508	1
634,128	84.2	369	38,824	69.9	196	219,975	45.0	616	413,768	49.7	247	29,989	0.9	4,511	2
494	...	462	...	...	...	1,085	30.3	503	1,140	1.1	302	27	(2)	4,963	3
1,419	64.1	1,297	...	...	...	243,706	67.4	793	65,471	22.5	414	2,911	0.2	2,262	4
1,419	64.1	1,297	...	...	...	240,191	69.1	798	58,315	30.2	433	2,850	0.3	2,247	5
...	...	...	...	...	...	3,515	24.6	483	7,156	7.3	259	61	(2)	2,984	6
87,466	93.4	476	1,429	89.9	276	118,350	82.3	751	170,718	65.9	379	1,160	0.1	2,228	7
87,466	93.4	476	1,429	89.9	276	117,485	82.6	750	167,843	73.4	382	1,160	0.1	2,228	8
...	...	...	...	...	...	865	52.1	948	2,875	9.5	159	...	...	...	9
...	...	...	5,478	46.4	161	24,863	65.4	431	38,290	23.8	153	1,278	0.1	3,698	10
...	...	...	5,478	46.4	161	24,037	71.2	442	29,410	23.0	167	1,268	0.1	3,719	11
...	...	...	...	...	...	826	19.4	109	8,880	27.1	106	10	(2)	1,000	12
90,374	22.8	175	99,924	88.3	265	49,279	49.3	345	92,096	2.8	165	1,000	(2)	1,598	13
73,505	35.0	199	99,834	88.9	265	49,474	50.0	345	63,083	8.9	190	780	(2)	1,728	14
16,869	9.1	67	90	10.1	489	405	18.5	365	29,013	1.1	109	220	(2)	1,136	15
245	11.6	188	95	40.3	421	295	12.1	231	670	0.6	170	...	...	...	16
245	11.8	188	95	40.3	421	295	13.8	231	550	1.0	178	...	...	...	17
...	...	...	...	...	...	...	...	...	120	0.2	133	...	...	...	18
8,361	30.1	235	3,729	63.7	413	7,444	36.2	344	10,483	4.7	215	...	...	...	19
8,291	30.8	233	3,729	63.8	408	7,439	36.6	344	10,448	10.8	212	...	...	...	20
70	8.4	429	...	...	...	5	2.4	...	35	(2)	1,086	...	...	...	21
1,599	59.0	154	1,384	75.1	298	21,729	55.0	337	6,946	8.5	192	650	0.1	1,766	22
1,599	61.8	154	1,384	75.1	298	21,729	55.1	337	6,946	8.5	192	650	0.1	1,766	23
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	24
55,117	37.7	183	79,882	92.0	250	14,508	65.6	301	46,015	6.6	157	5	(2)	4,000	25
50,218	41.1	193	79,882	92.4	250	14,283	65.2	303	36,596	15.1	172	5	(2)	4,000	26
4,899	20.6	87	...	...	...	225	94.5	151	9,419	2.1	99	...	...	...	27
18,491	10.4	107	2,750	75.3	265	3,247	45.2	595	21,086	1.2	128	345	(2)	1,246	28
6,661	27.8	197	2,750	76.1	265	3,127	46.7	583	2,507	2.0	228	125	(2)	1,440	29
11,830	7.7	56	...	...	...	120	24.6	900	18,579	1.2	114	220	(2)	1,136	30
6,561	16.9	221	12,084	82.1	312	2,656	28.5	366	6,896	1.4	223	...	...	...	31
6,491	20.3	222	11,994	84.1	312	2,601	31.0	371	6,036	5.3	245	...	...	...	32
70	1.0	171	90	20.0	267	55	6.0	109	860	0.2	70	...	...	...	33
374,253	70.4	325	32,931	97.7	617	905,081	90.5	1,705	208,737	68.1	735	461,127	10.3	1,578	34
35,500	77.2	391	907	98.2	748	339,004	91.1	1,984	63,289	119.2	985	161,299	15.9	1,532	35
338,753	69.7	318	32,024	97.7	613	566,077	90.1	1,538	145,448	57.3	627	299,828	8.7	1,602	36
82,792	92.7	397	12,513	94.4	681	20,833	76.1	583	36,009	89.5	518	13,976	4.5	1,567	37
100	67.1	320	...	...	...	120	100.8	667	115	32.3	1,217	375	13.3	2,123	38
82,692	92.8	397	12,513	94.4	681	20,713	76.0	582	35,894	90.0	516	13,601	4.4	1,551	39
12,476	45.6	412	28	93.3	500	37,424	94.2	1,730	4,920	18.4	709	26,003	9.8	1,767	40
235	32.8	655	...	...	...	20,036	114.4	2,235	458	53.3	1,559	6,959	19.4	2,087	41
12,241	45.9	408	28	93.3	500	17,388	78.2	1,148	4,462	17.3	621	19,044	8.3	1,651	42
268,189	69.0	295	20,115	99.8	575	56,822	68.5	753	97,884	53.7	770	34,454	2.6	1,380	43
31,529	85.8	387	717	97.3	745	5,965	88.7	1,003	11,432	50.5	1,981	8,154	6.2	1,335	44
236,660	67.2	282	19,398	99.9	569	50,857	66.8	723	86,452	54.2	610	26,300	2.2	1,394	45
110	26.3	909	...	...	...	87,032	90.2	1,619	8,181	92.0	1,229	45,594	15.5	1,410	46
100	37.9	920	...	...	...	47,869	89.8	1,682	6,524	91.6	719	26,477	17.6	1,286	47
10	6.5	800	...	...	...	39,163	90.8	1,542	1,657	93.6	3,237	19,117	13.2	1,581	48
6,771	32.3	376	275	100.7	756	526,234	95.7	1,779	11,225	47.9	1,326	268,307	18.5	1,639	49
2,481	50.6	388	190	101.6	758	146,079	91.4	2,011	5,446	(1)	1,845	69,003	21.4	1,638	50
4,290	26.7	369	85	98.8	753	380,155	97.4	1,690	5,779	24.4	836	199,304	17.6	1,639	51
3,915	82.5	475	...	...	...	176,736	86.7	1,958	50,518	199.4	614	72,793	9.2	1,486	52
1,055	32.9	444	...	...	...	118,935	88.4	2,080	39,314	176.3	614	50,331	13.6	1,467	53
2,860	185.8	486	...	...	...	57,801	83.4	1,707	11,204	369.8	615	22,462	5.3	1,529	54
77,835	90.8	481	276,031	23.9	154	109,397	56.5	401	228,335	19.5	189	...	...	...	55
77,835	90.8	481	138,374	26.3	195	108,909	60.2	402	129,043	19.1	250	...	...	...	56
...	...	...	137,757	21.9	113	488	3.9	270	99,292	20.1	110	...	...	...	57
40	15.7	950	39,077	27.3	123	2,278	32.1	265	33,463	19.5	133	...	...	...	58
40	15.7	950	6,360	18.5	169	2,223	33.7	263	8,245	11.6	206	...	...	...	59
...	...	...	32,717	30.0	114	55	11.1	364	25,212	25.1	108	...	...	...	60
400	1339.0	575	101,087	48.8	114	193	1.8	166	69,744	26.5	109	...	...	...	61
400	1339.0	575	5,046	109.9	93	45	8.7	178	2,535	25.6	128	...	...	...	62
...	...	...	96,041	47.4	115	148	1.5	162	67,209	26.5	108	...	...	...	63
23,278	82.8	659	17,798	31.8	244	18,205	51.3	860	41,543	29.2	346	...	...	...	64
23,278	82.8	659	15,697	34.5	263	18,180	51.5	860	39,530	29.1	350	...	...	...	65
...	...	...	2,101	20.0	99	25	14.7	240	2,013	29.8	255	...	...	...	66
36,164	101.7	426	57,922	44.1	200	25,315	68.2	380	47,972	20.6	210	...	...	...	67
36,164	101.7	426	56,167	50.1	203	25,245	68.8	380	47,157	21.1	210	...	...	...	68
...	...	...	1,755	9.1	121	70	16.5	257	815	9.5	216	...	...	...	69
17,953	82.9	359	60,147	9.7	171	63,406	61.4	284	35,613	9.9	187	...	...	...	70
17,953	82.9	359	55,064	16.7	181	63,216	62.1	283	31,576	13.4	204	...	...	...	71
...	...	...	5,143	1.8	66	190	12.7	337	4,037	3.2	54	...	...	...	72

USE OF FERTILIZER AND LIME

Table 3.—USE OF FERTILIZER FOR SPECIFIED CROPS AND USE OF LIME FOR IRRIGATED AND

[For data for 28 specified

State and economic area	Fertilizer											
	All crops and all pasture fertilized			Hay and cropland pasture fertilized			Other pasture fertilized			All crops fertilized except hay		
	Acres	Percent of total acres	Quantity used per acre (pounds)	Acres	Percent of total acres	Quantity used per acre (pounds)	Acres	Percent of total acres	Quantity used per acre (pounds)	Acres	Percent of total acres	Quantity used per acre (pounds)
1 Kansas, total	3,853,188	9.5	117	247,321	6.4	154	52,374	0.3	154	3,550,662	18.7	114
2 Irrigated farms...	120,894	5.8	125	11,522	6.8	172	1,516	0.2	149	108,322	11.4	119
3 Non-irrigated farms	3,732,294	9.7	117	235,799	6.4	153	50,858	0.3	154	3,442,340	19.1	114
4 Area 1	59,192	0.8	79	3,050	1.1	117	522	(2)	123	55,607	1.6	77
5 Irrigated farms...	29,174	2.7	79	751	1.1	128	412	0.1	126	28,016	5.7	77
6 Non-irrigated farms	30,018	0.5	80	2,299	1.1	114	110	(2)	109	27,591	0.9	77
7 Area 2a	175,475	2.1	84	9,915	2.7	91	213	(2)	225	165,802	3.6	83
8 Irrigated farms...	27,002	4.4	118	2,078	4.1	121	50	(2)	400	24,939	8.3	117
9 Non-irrigated farms	148,473	1.9	78	7,837	2.5	83	163	(2)	172	140,863	3.3	77
10 Area 2b	72,022	2.5	100	5,092	2.7	104	940	0.1	162	65,823	4.7	99
11 Irrigated farms...	2,138	3.1	117	80	1.6	350	...	...	...	2,058	7.7	108
12 Non-irrigated farms	69,884	2.4	99	5,012	2.7	100	940	0.1	162	63,765	4.6	99
13 Areas 3a and A	645,245	16.6	86	27,866	6.9	128	4,843	0.5	86	609,360	24.9	85
14 Irrigated farms...	15,405	21.6	95	3,542	31.4	107	130	0.6	123	12,102	33.1	89
15 Non-irrigated farms	629,840	16.5	86	24,324	6.2	131	4,713	0.5	85	597,258	24.8	85
16 Area 3b	417,686	16.5	96	13,994	4.6	138	1,563	0.2	101	402,443	32.0	94
17 Irrigated farms...	9,460	13.6	165	185	1.9	270	...	...	...	9,285	42.6	163
18 Non-irrigated farms	408,226	16.6	94	13,809	4.7	136	1,563	0.2	101	393,158	31.9	92
19 Area 4	248,071	8.0	119	8,821	2.1	169	1,740	0.1	147	238,255	16.0	116
20 Irrigated farms...	8,465	10.2	150	608	6.0	118	...	...	...	7,877	21.9	152
21 Non-irrigated farms	239,606	8.0	118	8,213	2.0	173	1,740	0.2	147	230,378	15.9	115
22 Area 5	546,186	10.0	122	45,492	6.8	155	6,176	0.2	190	494,518	42.3	118
23 Irrigated farms...	11,980	23.3	160	1,920	23.9	238	145	0.5	221	9,912	67.6	144
24 Non-irrigated farms	534,206	9.8	121	43,572	6.6	151	6,031	0.2	190	484,606	42.0	117
25 Areas 6 and B	578,955	22.3	144	56,123	9.9	169	16,813	2.1	175	507,463	40.8	140
26 Irrigated farms...	11,345	45.5	181	1,353	23.4	207	264	4.3	197	9,728	74.9	177
27 Non-irrigated farms	567,610	22.0	143	54,770	9.7	168	16,549	2.1	175	497,735	40.4	139
28 Area 7a	546,192	20.8	139	47,998	11.4	164	10,995	0.9	149	486,556	47.3	136
29 Irrigated farms...	3,045	31.7	104	490	24.5	98	500	20.7	100	2,055	39.6	106
30 Non-irrigated farms	543,147	20.7	139	47,508	11.4	165	10,495	0.9	151	484,501	47.3	137
31 Area 7b	564,164	32.6	130	28,970	12.2	166	8,569	1.2	143	524,835	67.1	129
32 Irrigated farms...	2,880	30.6	258	515	36.0	629	15	0.4	267	2,350	53.4	176
33 Non-irrigated farms	561,284	32.6	130	28,455	12.0	158	8,554	1.2	142	522,485	67.2	129
34 Louisiana, total	2,477,769	38.2	237	229,325	9.8	273	118,744	7.8	233	2,130,318	80.7	233
35 Irrigated farms...	720,456	49.7	197	28,220	5.1	233	13,043	12.2	228	680,804	86.5	195
36 Non-irrigated farms	1,757,313	34.9	253	201,105	11.3	279	105,701	7.5	233	1,449,514	78.2	251
37 Areas 1 and A	243,438	33.6	218	31,492	10.7	204	14,137	7.3	194	197,377	83.6	222
38 Irrigated farms...	16,123	27.8	209	3,675	13.9	184	420	3.3	76	12,508	66.9	201
39 Non-irrigated farms	227,315	34.1	219	27,817	10.4	206	13,717	7.5	198	184,869	85.0	223
40 Area 2	474,169	40.5	245	42,921	13.6	256	23,609	10.0	139	409,383	66.2	248
41 Irrigated farms...	47,918	42.2	259	6,677	17.4	235	5,009	24.2	128	36,565	67.3	278
42 Non-irrigated farms	426,251	40.4	243	36,244	13.1	260	18,600	8.6	142	372,818	66.1	245
43 Area 3	358,676	45.6	244	15,688	7.2	224	6,189	4.2	214	337,017	80.4	245
44 Irrigated farms...	78,145	48.3	181	1,081	2.5	233	483	4.0	178	77,435	72.4	178
45 Non-irrigated farms	280,531	44.9	262	14,607	8.3	224	5,706	4.2	217	259,582	83.2	266
46 Area 4	174,399	32.2	288	31,085	15.7	273	16,007	8.0	233	162,299	88.5	300
47 Irrigated farms...	4,693	52.2	353	523	19.6	275	1,240	73.0	271	2,980	64.3	395
48 Non-irrigated farms	169,706	31.9	287	30,562	15.7	273	14,767	7.4	230	123,319	89.3	299
49 Areas 5 and B	209,037	31.8	393	47,979	15.8	361	27,772	15.0	326	133,790	79.0	418
50 Irrigated farms...	13,791	48.3	737	1,451	15.0	346	1,390	36.1	475	10,878	72.3	828
51 Non-irrigated farms	195,246	31.0	369	46,528	15.8	362	26,382	14.6	318	122,912	79.6	381
52 Area 6	361,487	49.9	182	12,889	8.7	187	8,779	5.5	257	340,083	81.8	179
53 Irrigated farms...	35,394	63.1	184	2,462	25.2	158	495	15.0	638	32,387	75.2	179
54 Non-irrigated farms	326,093	48.8	181	10,427	7.6	194	8,284	5.3	234	307,696	82.5	179
55 Area 7	572,918	37.6	186	22,165	3.4	233	7,574	2.6	236	542,986	92.8	184
56 Irrigated farms...	515,174	51.7	180	10,698	2.6	251	3,886	8.6	222	500,606	93.5	178
57 Non-irrigated farms	57,744	11.0	246	11,467	5.0	216	3,688	1.5	251	42,380	85.4	200
58 Area 8	83,645	23.0	297	25,106	12.1	333	14,677	14.2	235	43,383	79.6	300
59 Irrigated farms...	9,218	35.5	170	1,653	17.4	214	120	1.6	283	7,445	84.2	158
60 Non-irrigated farms	74,427	22.0	313	23,453	11.9	342	14,557	15.2	235	35,938	78.7	329
61 Montana, total	637,163	1.2	86	109,748	3.6	136	9,011	(2)	113	518,623	8.5	75
62 Irrigated farms...	250,950	1.2	164	89,322	5.4	153	6,036	(2)	161	154,707	14.1	171
63 Non-irrigated farms	386,213	1.2	36	20,426	1.5	62	2,975	(2)	17	363,916	7.2	34
64 Area 1a	53,256	4.2	147	23,227	7.6	146	1,537	0.2	148	28,447	17.5	148
65 Irrigated farms...	36,929	4.6	164	19,551	8.9	141	1,487	0.3	148	15,866	17.2	195
66 Non-irrigated farms	16,327	3.5	108	3,676	4.2	170	50	(2)	160	12,581	17.8	89
67 Area 1b	69,931	0.9	122	32,751	4.2	142	1,850	(2)	78	35,389	12.3	106
68 Irrigated farms...	61,915	0.9	129	31,140	4.5	145	1,818	(2)	77	28,841	14.1	116
69 Non-irrigated farms	8,016	0.8	68	1,611	1.9	94	32	(2)	125	6,548	7.8	60
70 Area 2a	298,916	3.6	43	20,840	4.5	103	3,312	0.1	89	274,468	16.9	38
71 Irrigated farms...	41,463	1.7	129	8,315	4.9	232	599	(2)	451	31,655	12.2	100
72 Non-irrigated farms	257,453	4.4	29	12,525	4.2	17	2,713	0.1	10	242,813	17.8	30
73 Area 2b	122,892	0.8	77	6,393	0.9	132	425	(2)	160	116,465	3.5	73
74 Irrigated farms...	35,326	0.9	176	5,208	2.4	146	280	(2)	200	29,878	10.6	180
75 Non-irrigated farms	87,566	0.8	37	1,185	0.2	74	145	(2)	83	86,587	2.8	36
76 Area 3a	54,668	1.0	201	15,601	6.4	145	1,254	(2)	132	37,847	9.7	227
77 Irrigated farms...	48,117	2.0	221	14,803	8.6	145	1,219	0.1	135	32,129	18.3	260
78 Non-irrigated farms	6,551	0.2	55	798	1.1	153	35	(2)	57	5,718	2.7	41
79 Area 3b	37,500	0.3	140	10,936	2.2	147	633	(2)	190	26,007	7.8	135
80 Irrigated farms...	27,200	0.5	176	10,305	5.5	149	633	(2)	190	16,338	19.3	191
81 Non-irrigated farms	10,300	0.1	46	631	0.2	111	...	...	...	9,669	3.9	41

2 Less than 0.05.

1 Over 100 percent. See text.

USE OF FERTILIZER AND LIME

191

NON-IRRIGATED FARMS, BY ECONOMIC AREAS, FOR 20 SPECIFIED STATES: CENSUS OF 1954—Continued

(Units, see Table 2)

Fertilizer—Continued												Lime			
Specified crops fertilized			Specified crops fertilized			Fruits, vegetables, and potatoes fertilized			Other crops fertilized except hay			Acres limed	Percent of total cropland plus improved pasture	Quantity used per acre (pounds)	
Acres	Percent of total acres	Quantity used per acre (pounds)	Acres	Percent of total acres	Quantity used per acre (pounds)	Acres	Percent of total acres	Quantity used per acre (pounds)	Acres	Percent of total acres	Quantity used per acre (pounds)				
<i>Corn</i>			<i>Wheat</i>												
563,579	27.7	128	1,987,244	21.0	108	5,863	37.3	265	993,976	13.4	116	187,247	0.6	4,005	1
22,200	49.2	146	35,981	9.0	94	1,899	81.3	264	48,242	9.6	118	4,437	0.3	3,632	2
541,379	27.2	128	1,951,263	21.5	108	3,964	29.6	265	945,734	13.7	115	182,810	0.6	4,034	3
1,952	15.9	97	24,212	1.4	75	134	22.2	343	29,309	1.7	75	300	(2)	5,333	4
1,692	25.6	99	5,261	2.7	69	82	18.1	49	20,981	7.3	76	...	...	...	5
260	4.6	85	18,951	1.2	77	52	34.2	808	8,328	0.6	73	300	(2)	5,333	6
3,373	3.6	116	83,744	3.1	80	20	4.0	200	78,665	4.4	85	1,194	(2)	3,720	7
1,035	19.9	145	8,656	6.2	93	...	...	...	15,248	9.8	129	320	0.1	3,750	8
2,338	2.6	104	75,088	2.9	78	20	5.1	200	63,417	3.9	74	874	(2)	3,709	9
2,921	7.2	126	51,455	5.8	97	22	13.1	455	11,425	2.4	100	475	(2)	2,905	10
1,020	45.1	120	433	2.9	106	2	3.7	...	603	6.3	90	...	...	...	11
1,901	4.9	129	51,022	5.8	97	20	17.5	500	10,822	2.4	100	475	(2)	2,905	12
19,181	35.5	106	452,638	28.0	82	255	11.4	471	137,286	17.7	91	20,320	0.6	3,513	13
820	82.1	88	7,922	39.1	76	50	13.0	480	3,310	22.2	111	1,835	3.2	3,820	14
18,361	34.7	107	444,716	27.9	82	205	11.0	468	133,976	17.7	90	18,485	0.6	3,482	15
30,187	18.7	102	309,339	43.3	90	372	57.1	108	62,545	16.5	104	9,507	0.5	3,646	16
1,826	50.2	137	6,129	60.8	87	45	42.9	89	1,285	16.1	562	50	0.1	4,000	17
28,361	17.9	100	303,210	43.0	90	327	59.9	110	61,260	16.5	94	9,457	0.6	3,644	18
68,258	14.8	122	147,222	23.6	110	...	...	...	22,775	5.6	134	8,509	0.4	3,779	19
5,804	43.0	151	1,316	10.7	116	...	...	...	757	7.5	219	175	0.3	857	20
62,454	14.0	119	145,906	23.8	110	...	...	...	22,018	5.6	131	8,334	0.4	3,840	21
54,836	24.7	127	281,484	67.7	119	255	16.3	329	157,943	29.8	112	27,908	1.4	3,738	22
3,121	72.0	175	2,943	60.1	126	100	32.8	640	3,748	73.1	117	1,322	4.8	3,339	23
51,715	23.8	124	278,541	67.7	118	155	12.3	129	154,195	29.4	112	26,586	1.3	3,758	24
195,189	33.3	141	203,330	70.4	136	3,665	49.0	274	105,279	29.1	134	40,451	2.0	4,053	25
5,467	82.0	162	2,036	83.1	167	1,135	160.1	300	1,090	34.6	147	290	1.5	4,207	26
189,722	32.7	145	201,294	70.3	136	2,530	37.4	262	104,189	29.0	136	40,161	2.0	4,052	27
104,768	38.5	125	184,162	89.4	141	610	55.3	249	610,016	35.8	135	45,939	2.8	4,128	28
1,085	99.0	101	315	31.6	114	50	48.1	200	605	20.2	99	205	2.7	3,815	29
103,683	38.3	126	183,847	89.7	141	560	56.1	254	196,411	35.9	135	45,734	2.8	4,130	30
82,914	63.4	124	249,658	91.4	131	530	58.3	177	191,733	50.8	127	32,644	2.7	4,486	31
330	40.2	218	470	70.9	151	435	1679.7	129	615	28.6	228	240	3.5	4,750	32
82,584	63.5	124	248,688	91.5	131	95	11.2	400	191,118	50.9	126	32,404	2.7	4,484	33
<i>Corn</i>			<i>Cotton</i>												
430,869	71.0	232	649,537	96.7	270	120,506	65.8	427	929,406	78.8	180	92,305	1.6	1,906	34
18,657	79.2	298	37,690	92.2	269	10,450	90.5	872	614,007	86.4	175	11,381	0.8	1,601	35
472,212	70.7	229	611,847	96.9	270	110,056	64.1	384	315,399	67.3	191	80,924	1.4	1,949	36
47,669	75.8	213	130,861	99.0	218	3,325	28.8	344	15,522	52.4	237	5,925	0.8	2,176	37
2,444	70.8	196	7,452	77.7	200	60	6.5	667	2,552	54.0	197	...	...	...	38
45,225	76.1	214	123,409	100.7	219	3,265	30.7	338	12,970	52.1	245	5,215	0.9	2,179	39
73,342	47.2	210	287,144	97.2	262	3,343	43.2	537	45,554	28.5	201	21,395	2.0	1,689	40
9,001	88.7	298	19,493	103.6	264	603	70.0	1,423	7,468	30.5	189	4,608	4.2	1,286	41
64,341	44.3	198	267,651	96.8	261	2,740	39.8	342	38,086	28.1	203	16,787	1.7	1,800	42
90,737	73.0	191	112,240	96.2	293	44,274	73.0	383	89,766	76.5	170	6,895	1.0	2,069	43
1,436	61.1	298	6,411	97.5	305	1,381	66.9	382	68,207	71.1	159	958	0.6	2,027	44
89,301	73.2	190	105,829	96.1	293	42,893	73.2	383	21,559	101.0	204	5,937	1.1	2,075	45
54,239	92.5	272	54,531	94.9	327	7,663	98.2	395	9,866	52.2	244	11,413	2.3	1,885	46
5,597	65.5	375	1,818	72.2	440	80	19.0	200	4,85	62.3	301	941	10.8	1,974	47
53,642	92.9	271	52,713	95.9	323	7,583	102.7	397	9,381	52.2	241	10,472	2.1	1,877	48
68,433	87.7	329	16,745	91.6	457	35,826	62.2	584	12,786	82.9	346	34,191	5.7	1,973	49
1,950	80.3	432	131	81.4	672	6,338	137.0	1,088	2,459	31.4	409	2,304	7.3	1,810	50
66,483	87.9	324	16,614	91.7	455	29,488	55.6	475	10,327	135.9	331	31,887	5.6	1,984	51
70,575	77.2	177	13,560	93.9	240	15,035	63.7	284	240,913	84.1	170	2,423	0.4	1,575	52
2,048	88.5	233	117	151.9	137	720	69.8	564	29,502	74.5	166	50	0.1	6,000	53
68,527	76.9	176	13,443	93.6	240	14,315	63.4	270	211,411	85.7	170	2,373	0.4	1,482	54
11,205	64.5	226	18,946	89.1	280	8,842	73.2	275	503,993	94.3	177	4,667	0.4	1,859	55
881	53.9	227	2,039	70.5	279	1,159	74.8	271	496,527	93.8	176	2,452	0.2	1,580	56
10,324	65.6	225	16,907	92.1	280	7,683	73.0	276	7,466	148.7	231	2,215	0.7	2,168	57
14,669	79.4	336	15,510	95.0	305	2,198	100.3	409	11,006	62.8	208	6,106	1.9	2,085	58
300	96.8	413	229	95.8	297	109	149.3	495	6,807	82.8	137	68	0.3	1,912	59
14,369	79.1	335	15,281	94.9	306	2,089	98.6	405	4,199	45.2	323	6,038	2.0	2,087	60
<i>Sugar beets</i>			<i>Wheat</i>												
49,169	91.3	286	361,131	8.5	43	4,150	34.2	295	104,173	5.8	75	1,047	(2)	770	61
49,169	91.6	286	63,956	11.4	86	3,918	37.2	289	38,149	8.0	147	547	(2)	1,346	62
...	...	...	297,175	8.0	34	232	14.3	233	66,024	5.0	34	500	(2)	380	63
3,572	77.2	298	15,133	18.7	104	1,151	25.0	398	8,591	11.8	125	908	0.1	496	64
3,572	78.0	298	5,948	17.5	133	1,056	26.8	402	5,290	10.6	149	408	0.1	637	65
...	...	...	9,185	19.6	85	95	14.5	358	3,301	14.4	87	500	0.2	380	66
303	41.3	271	21,322	12.2	80	2,198	61.4	262	11,566	10.6	115	121	(2)	2,860	67
303	41.3	271	15,559	15.2	88	2,193	62.6	262	10,786	11.1	118	121	(2)	2,860	68
...	...	...	5,763	8.0	57	5	6.2	400	780	6.5	74	...	...	...	69
485	1187.3	239	222,995	19.6	36	241	32.2	216	50,747	10.5	43	...	...	...

USE OF FERTILIZER AND LIME

Table 3.—USE OF FERTILIZER FOR SPECIFIED CROPS AND USE OF LIME, FOR IRRIGATED AND

[For data for 28 specified

State and economic area	Fertilizer											
	All crops and all pasture fertilized			Hay and cropland pasture fertilized			Other pasture fertilized			All crops fertilized except hay		
	Acres	Percent of total acres	Quantity used per acre (pounds)	Acres	Percent of total acres	Quantity used per acre (pounds)	Acres	Percent of total acres	Quantity used per acre (pounds)	Acres	Percent of total acres	Quantity used per acre (pounds)
1 Nebraska, total	2,983,334	7.0	146	198,734	3.0	175	65,041	0.3	152	2,729,976	20.3	143
2 Irrigated farms	821,485	13.8	166	46,369	5.7	187	4,537	0.1	144	771,193	41.4	165
3 Non-irrigated farms	2,161,849	5.9	139	152,365	2.7	172	60,504	0.3	153	1,958,783	16.9	135
4 Area 1	69,867	0.5	135	16,061	0.6	139	4,215	(Z)	71	52,737	7.5	135
5 Irrigated farms	23,723	1.8	164	4,076	2.7	156	740	0.1	32	18,893	24.7	170
6 Non-irrigated farms	46,144	0.3	120	11,985	0.5	133	476	(Z)	130	33,844	5.4	115
7 Area 2	94,542	2.1	188	7,020	1.7	168	491	(Z)	163	86,944	6.1	190
8 Irrigated farms	83,110	6.1	199	5,620	3.8	177	451	0.1	169	76,960	23.6	201
9 Non-irrigated farms	11,432	0.4	111	1,400	0.5	136	40	(Z)	100	9,984	0.9	108
10 Area 3a	321,636	5.5	154	17,300	1.8	166	1,342	(Z)	162	303,481	19.9	153
11 Irrigated farms	250,794	16.3	165	13,316	4.6	172	481	0.1	166	237,261	47.8	165
12 Non-irrigated farms	70,842	1.7	114	3,984	0.6	148	861	(Z)	160	66,220	6.5	111
13 Area 3b	461,722	12.0	141	33,654	5.0	165	15,725	1.4	133	413,299	20.0	139
14 Irrigated farms	80,263	25.4	166	5,230	9.7	148	800	0.9	150	74,531	43.5	166
15 Non-irrigated farms	381,459	10.8	135	28,424	4.6	168	14,925	1.5	132	338,768	17.8	133
16 Area 4	229,416	5.3	148	12,452	3.2	161	815	(Z)	201	216,875	11.9	147
17 Irrigated farms	146,480	16.1	165	8,657	8.7	179	435	0.1	166	137,613	35.1	164
18 Non-irrigated farms	82,936	2.4	120	3,795	1.3	120	380	(Z)	242	79,262	5.5	118
19 Area 5	660,050	19.9	128	25,691	5.4	182	11,442	2.1	152	624,050	27.1	125
20 Irrigated farms	205,500	42.1	152	6,965	10.0	247	1,305	2.0	181	197,470	55.9	148
21 Non-irrigated farms	454,550	16.0	117	18,726	4.6	158	10,137	2.1	148	426,580	21.9	114
22 Area 6	469,872	19.9	166	51,282	12.7	185	13,935	4.8	165	406,462	24.4	162
23 Irrigated farms	20,620	57.0	187	1,675	25.9	219	305	9.7	131	18,335	69.0	188
24 Non-irrigated farms	449,252	19.4	165	49,607	12.5	184	13,630	4.7	166	388,127	23.7	161
25 Areas 7, A, and B	676,229	22.6	145	35,274	6.5	194	20,075	3.8	161	626,128	32.5	141
26 Irrigated farms	10,995	41.4	181	830	17.7	381	20	0.5	200	10,130	56.6	165
27 Non-irrigated farms	665,234	22.4	145	34,444	6.4	189	20,055	3.8	161	615,998	32.3	140
28 Nevada, total	28,832	0.4	228	14,134	2.5	192	2,254	(Z)	186	12,444	30.5	276
29 Irrigated farms	28,832	0.4	228	14,134	2.6	192	2,254	(Z)	186	12,444	28.7	276
30 Non-irrigated farms .....	...	...	...	...	...	...	...	...	...	...	...	...
31 Area 1	28,832	0.4	228	14,134	2.5	192	2,254	(Z)	186	12,444	30.5	276
32 Irrigated farms	28,832	0.4	228	14,134	2.6	192	2,254	(Z)	186	12,444	28.7	276
33 Non-irrigated farms .....	...	...	...	...	...	...	...	...	...	...	...	...
34 New Mexico, total	234,876	0.6	246	86,330	12.8	206	1,477	(C)	157	147,207	16.0	270
35 Irrigated farms	226,828	2.3	246	84,017	24.6	206	1,457	(Z)	156	141,497	28.7	271
36 Non-irrigated farms	8,048	(Z)	236	2,313	0.7	197	20	(C)	200	5,710	1.3	252
37 Area 1a	17,853	0.2	160	12,404	13.0	144	848	(Z)	153	4,621	9.9	202
38 Irrigated farms	17,533	0.5	159	12,149	17.0	143	848	(Z)	153	4,556	15.4	201
39 Non-irrigated farms	320	(Z)	206	255	1.1	196	...	...	...	65	0.4	246
40 Area 1b	5,502	0.2	153	3,665	5.1	124	260	(Z)	100	1,578	5.2	228
41 Irrigated farms	5,282	0.7	156	3,445	7.1	128	260	(Z)	100	1,578	8.2	228
42 Non-irrigated farms	220	(Z)	64	220	1.0	64	...	...	...	...	...	...
43 Area 2	22,773	0.1	195	10,553	3.2	187	187	(C)	214	11,993	2.2	203
44 Irrigated farms	21,981	0.9	194	10,236	12.9	185	167	(Z)	216	11,538	6.7	202
45 Non-irrigated farms	792	(Z)	245	317	0.1	271	20	(Z)	200	455	0.1	229
46 Area 3	188,748	1.2	263	59,708	32.6	227	182	(Z)	198	129,015	44.4	279
47 Irrigated farms	182,032	5.2	264	58,187	40.7	228	182	(Z)	198	123,825	45.4	280
48 Non-irrigated farms	6,716	0.1	242	1,521	3.8	201	...	...	...	5,190	29.4	254
49 North Dakota, total	1,679,632	5.0	64	38,135	0.9	96	6,717	0.1	116	1,635,698	9.2	63
50 Irrigated farms	13,834	4.2	180	1,816	4.2	128	...	...	...	12,022	14.1	188
51 Non-irrigated farms	1,665,798	5.0	63	36,319	0.9	95	6,717	0.1	116	1,623,676	9.2	62
52 Area 1	53,615	0.6	73	2,582	0.3	90	1,210	(Z)	50	49,823	1.7	73
53 Irrigated farms	6,992	3.4	171	1,201	5.4	102	...	...	...	5,789	12.3	186
54 Non-irrigated farms	46,623	0.5	58	1,381	0.2	80	1,210	(Z)	50	44,034	1.5	58
55 Area 2a	37,666	1.1	50	790	0.2	137	...	...	...	36,876	1.9	48
56 Irrigated farms	3,045	5.7	147	325	5.2	215	...	...	...	2,726	17.2	139
57 Non-irrigated farms	34,621	1.0	42	465	0.1	82	...	...	...	34,150	1.8	41
58 Area 2b	7,601	0.2	51	189	(Z)	42	...	...	...	7,412	0.5	51
59 Irrigated farms .....	...	...	...	...	(Z)	...	...	...	...	...	...	...
60 Non-irrigated farms	7,601	0.2	51	189	(Z)	42	...	...	...	7,412	0.5	51
61 Area 3a	431,043	6.8	43	4,690	0.5	70	1,180	0.1	105	425,415	9.9	43
62 Irrigated farms	547	1.0	208	...	...	...	...	...	...	547	7.1	208
63 Non-irrigated farms	430,496	6.9	43	4,690	0.5	70	1,180	0.1	105	424,868	9.9	42
64 Area 3b	210,014	4.7	53	6,766	1.0	72	170	(Z)	82	203,623	7.2	52
65 Irrigated farms	40	0.5	100	...	...	...	...	...	...	40	0.8	100
66 Non-irrigated farms	209,974	4.7	53	6,766	1.0	72	170	(Z)	82	203,583	7.2	52
67 Area 3c	91,926	4.1	71	7,566	1.7	95	1,220	0.3	136	83,045	5.7	68
68 Irrigated farms	430	8.1	167	...	...	...	...	...	...	430	10.1	167
69 Non-irrigated farms	91,496	4.0	71	7,566	1.7	95	1,220	0.3	136	82,615	5.7	68
70 Area 4	847,767	27.1	77	15,552	4.4	115	2,937	1.9	142	829,504	31.7	76
71 Irrigated farms	2,780	67.2	237	290	47.0	138	...	...	...	2,490	73.3	249
72 Non-irrigated farms	844,987	27.1	77	15,262	4.3	115	2,937	1.9	142	827,014	31.6	76

C Less than 0.05.

Z Over 100 percent. See text.

USE OF FERTILIZER AND LIME

NON-IRRIGATED FARMS, BY ECONOMIC AREAS, FOR 20 SPECIFIED STATES: CENSUS OF 1954-Continued
 States, see Table 2]

Fertilizer-Continued												Lime			
Specified crops fertilized			Specified crops fertilized			Fruits, vegetables, and potatoes fertilized			Other crops fertilized except hay			Acres limed	Percent of total cropland plus improved pasture	Quantity used per acre (pounds)	
Acres	Percent of total acres	Quantity used per acre (pounds)	Acres	Percent of total acres	Quantity used per acre (pounds)	Acres	Percent of total acres	Quantity used per acre (pounds)	Acres	Percent of total acres	Quantity used per acre (pounds)				
<i>Corn</i>			<i>Wheat</i>												
1,833,202	27.2	144	393,379	13.2	119	6,747	25.7	269	496,648	13.4	155	159,974	0.7	3,601	1
560,523	58.3	165	78,695	22.6	109	5,295	33.5	270	126,680	23.7	190	21,603	0.7	3,249	2
1,272,679	22.1	135	314,684	12.0	122	1,452	13.9	264	369,968	11.6	143	138,371	0.7	3,656	3
29,302	9.8	106	4,913	3.0	114	79	3.4	278	18,443	7.7	185	794	(Z)	2,217	4
10,037	34.0	115	553	4.3	152	62	7.0	258	8,241	24.8	237	258	0.1	2,915	5
19,265	7.1	101	4,360	2.9	109	17	1.2	353	10,202	4.9	144	536	(Z)	1,881	6
23,383	11.6	175	7,705	0.9	99	4,126	29.1	258	51,730	13.6	204	2	(Z)	1,000	7
20,971	30.8	181	2,236	2.7	112	4,126	34.6	258	49,627	30.3	207	...	...	...	8
2,412	1.8	122	5,469	0.7	93	...	...	...	2,103	1.0	128	2	(Z)	1,000	9
255,362	25.9	153	19,007	11.0	110	841	37.7	361	28,271	7.9	173	2,172	0.1	2,763	10
208,629	59.6	162	6,890	18.5	114	826	44.3	358	20,916	19.4	187	868	0.1	3,348	11
46,733	7.3	108	12,117	9.0	107	15	4.1	533	7,355	2.9	135	1,304	0.1	2,374	12
291,588	23.9	138	18,611	18.7	130	97	7.4	144	103,003	13.8	141	23,477	0.8	2,813	13
58,641	55.6	173	5,568	24.2	125	87	42.4	69	10,235	24.1	150	5,965	2.5	2,746	14
232,947	20.9	129	13,043	17.0	132	10	0.9	800	92,768	13.2	140	17,512	0.7	2,835	15
148,351	17.8	154	45,400	7.7	115	44	6.7	136	23,080	5.7	164	3,699	0.1	2,867	16
112,380	52.0	164	14,088	15.2	126	4	1.3	500	11,141	13.4	208	1,829	0.3	1,686	17
35,971	5.8	123	31,312	6.3	109	40	11.7	100	11,939	3.7	122	1,870	0.1	4,021	18
368,470	34.5	130	180,485	25.0	107	105	14.6	114	74,990	14.7	133	42,865	1.4	3,817	19
130,105	77.0	165	45,256	47.4	99	...	...	...	22,109	24.9	144	11,855	2.6	3,724	20
238,365	26.5	111	135,229	21.5	110	105	20.4	114	52,881	12.5	128	31,010	1.2	3,852	21
268,818	27.8	166	18,524	40.2	143	300	26.6	267	118,820	18.3	154	17,702	0.8	3,077	22
12,900	87.6	193	2,314	82.8	116	190	98.4	232	2,931	33.1	209	90	0.3	1,333	23
255,918	26.9	165	16,210	37.5	147	110	11.8	327	115,889	18.1	153	17,612	0.8	3,086	24
447,928	38.9	138	98,734	28.9	140	1,155	30.7	268	78,311	18.2	148	69,263	2.6	3,950	25
6,860	82.4	165	1,790	74.9	147	...	...	...	1,480	21.4	189	738	3.0	3,780	26
441,068	38.6	138	96,944	28.6	140	1,155	32.9	268	76,831	18.2	148	68,525	2.6	3,952	27
<i>Sugar beets</i>			<i>Wheat</i>												
...	...	...	3,417	32.4	190	2,126	75.6	487	6,901	25.2	252	17	(Z)	7,647	28
...	...	...	3,417	33.4	190	2,126	76.2	487	6,901	22.7	252	17	(Z)	7,647	29
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	30
...	...	...	3,417	32.4	190	2,126	75.6	487	6,901	25.2	252	17	(Z)	7,647	31
...	...	...	3,417	33.4	190	2,126	76.2	487	6,901	22.7	252	17	(Z)	7,647	32
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	33
<i>Corn</i>			<i>Cotton</i>												
4,233	10.5	252	107,561	54.6	268	9,671	38.6	394	25,742	3.9	231	451	(Z)	2,200	34
4,233	15.8	252	102,996	54.0	268	9,651	40.1	393	24,617	9.8	232	450	(Z)	2,200	35
...	...	...	4,565	71.1	257	20	2.1	900	1,125	0.3	208	1	(Z)	2,000	36
1,350	9.7	154	...	...	...	2,056	25.7	253	1,215	4.9	168	130	0.1	308	37
1,350	12.8	154	...	...	...	2,056	26.0	253	1,150	10.4	163	130	0.1	308	38
...	...	...	...	...	...	...	...	...	65	0.5	246	...	...	...	39
445	7.8	189	...	...	...	427	11.1	351	706	3.4	178	...	...	...	40
445	9.1	189	...	...	...	427	11.6	351	706	6.7	176	...	...	...	41
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	42
633	5.4	272	2,038	10.2	234	292	10.6	397	9,030	1.7	184	...	...	...	43
633	17.6	272	1,688	10.3	246	277	11.9	354	8,940	6.0	183	...	...	...	44
...	...	...	350	9.8	171	15	3.5	1,200	90	(Z)	267	...	...	...	45
1,805	20.2	335	105,523	59.7	268	6,896	66.1	438	14,791	15.7	267	321	0.1	2,966	46
1,805	23.2	335	101,308	58.2	269	6,891	67.9	439	13,821	17.1	272	320	0.1	2,969	47
...	...	...	4,215	148.8	264	5	1.8	(Z)	970	7.3	198	1	(Z)	2,000	48
<i>Corn</i>			<i>Wheat</i>												
129,853	10.6	78	766,799	10.1	54	58,093	60.5	182	680,953	7.8	61	140	(Z)	857	49
3,037	29.9	194	3,558	9.7	83	918	57.8	453	4,509	12.2	165	...	...	...	50
126,816	10.4	75	763,241	10.1	54	57,175	60.5	177	676,444	7.7	60	140	(Z)	857	51
8,869	2.4	104	33,163	2.1	55	476	20.5	134	7,315	0.8	81	5	(Z)	2,000	52
2,311	36.7	220	1,152	5.1	52	9	2.2	222	2,317	12.9	130	...	...	...	53
6,558	1.8	64	32,011	2.0	55	467	24.3	133	4,998	0.5	58	5	(Z)	2,000	54
853	2.2	73	30,229	2.9	41	1	0.1	(Z)	5,793	0.7	83	...	...	...	55
100	13.6	120	1,380	16.8	72	1	8.3	(Z)	1,245	18.0	215	...	...	...	56
753	2.0	66	28,849	2.8	40	...	...	...	4,548	0.5	47	...	...	...	57
2,539	1.7	50	3,232	0.5	50	...	...	...	1,641	0.2	54	...	...	...	58
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	59
2,539	1.7	50	3,232	0.5	50	...	...	...	1,641	0.2	54	...	...	...	60
7,861	7.7	63	247,215	12.0	42	1,212	28.8	160	169,127	8.0	41	135	(Z)	815	61
50	11.2	400	60	2.9	100	70	48.3	571	367	7.3	131	...	...	...	62
7,811	7.7	61	247,155	12.0	42	1,142	28.1	135	168,760	8.0	41	135	(Z)	815	63
21,095	10.7	64	95,772	9.2	49	1,326	57.1	161	85,430	5.4	51	...	...	...	64
40	2.5	100	...	...	...	...	...	...	...	...	...	...	...	...	65
21,055	10.8	64	95,772	9.2	49	1,326	57.1	161	85,430	5.4	51	...	...	...	66
36,970	16.5	81	13,723	4.5	63	813	121.2	98	31,539	3.4	65	...	...	...	67
176	42.3	114	91	6.6	110	83	97.6	410	80	3.4	100	...	...	...	68
36,794	16.5	81	13,632	4.5	63	730	124.6	63	31,459	3.4	65	...	...	...	69
51,666	35.9	81	343,465	38.7	64	54,265	64.0	184	380,108	25.3	71	...	...	...	70
360	139.0	111	875	93.0	137	755	83.6	450	500	38.6	240	...	...	...	71
51,306	35.7	81	342,590	38.6	64	53,510	63.7	180	379,608	25.3	71	...	...	...	72

USE OF FERTILIZER AND LIME

Table 3.—USE OF FERTILIZER FOR SPECIFIED CROPS AND USE OF LIME, FOR IRRIGATED AND
[For data for 28 specified]

State and economic area	Fertilizer											
	All crops and all pasture fertilized			Hay and cropland pasture fertilized			Other pasture fertilized			All crops fertilized except hay		
	Acres	Percent of total acres	Quantity used per acre (pounds)	Acres	Percent of total acres	Quantity used per acre (pounds)	Acres	Percent of total acres	Quantity used per acre (pounds)	Acres	Percent of total acres	Quantity used per acre (pounds)
1 Oklahoma, total.....	1,971,729	7.1	128	293,686	7.8	179	108,140	0.7	162	1,568,079	17.8	116
2 Irrigated farms.....	72,830	9.3	161	11,136	9.8	211	2,475	0.7	217	58,974	19.2	149
3 Non-irrigated farms.	1,898,899	7.1	127	282,550	7.8	178	105,665	0.7	160	1,509,105	17.7	115
4 Area 1.....	61,356	0.8	92	7,064	2.3	140	830	(Z)	82	53,240	2.2	86
5 Irrigated farms.....	10,243	3.8	122	1,823	10.9	171	55	(Z)	73	8,365	11.3	111
6 Non-irrigated farms.	51,113	0.7	86	5,241	1.8	129	775	(Z)	83	44,875	2.0	82
7 Area 2.....	570,888	13.6	79	38,030	8.3	119	2,514	0.2	135	528,479	23.8	76
8 Irrigated farms.....	8,915	14.9	122	1,155	14.8	211	90	0.3	44	7,635	34.2	110
9 Non-irrigated farms.	561,973	13.6	78	36,875	8.2	117	2,424	0.2	139	520,844	23.7	75
10 Areas 3 and A.....	261,995	10.0	160	45,825	10.0	205	15,426	0.9	190	201,534	47.4	147
11 Irrigated farms.....	3,066	19.6	292	732	12.8	426	400	7.7	375	1,934	41.2	224
12 Non-irrigated farms.	258,929	10.0	159	45,093	10.0	201	15,026	0.9	185	199,600	47.5	146
13 Area 4.....	296,546	6.0	106	22,459	4.2	134	3,918	0.2	155	269,283	11.5	103
14 Irrigated farms.....	11,997	10.4	121	2,972	6.8	167	1,000	1.1	90	27,815	15.7	118
15 Non-irrigated farms.	264,559	5.7	104	19,487	4.0	128	2,918	0.1	177	241,468	11.1	101
16 Areas 5 and B.....	267,614	11.1	141	56,209	12.0	181	18,961	1.3	174	192,861	38.0	126
17 Irrigated farms.....	2,633	11.3	197	1,020	21.9	153	50	0.4	40	1,563	28.1	230
18 Non-irrigated farms.	264,981	11.1	141	55,189	11.9	182	18,911	1.3	175	191,298	38.1	125
19 Area 6.....	90,708	7.5	174	24,926	7.0	194	17,999	2.6	129	47,770	29.8	180
20 Irrigated farms.....	1,205	17.4	246	70	3.0	286	...	...	...	1,135	119.0	243
21 Non-irrigated farms.	89,503	7.4	173	24,856	7.1	194	17,999	2.6	129	46,635	29.3	178
22 Area 7a.....	53,174	3.4	172	18,409	7.3	216	4,240	0.4	156	30,630	16.9	146
23 Irrigated farms.....	1,601	4.3	276	1,046	8.7	315	120	0.5	200	435	25.8	202
24 Non-irrigated farms.	51,573	3.3	168	17,363	7.2	210	4,120	0.4	155	30,195	16.8	146
25 Area 7b.....	71,220	11.1	164	17,515	13.5	214	17,260	4.5	101	36,109	28.7	172
26 Irrigated farms.....	297	7.1	364	70	6.9	257	70	3.0	343	157	18.4	420
27 Non-irrigated farms.	70,923	11.1	164	17,445	13.5	214	17,190	4.5	100	35,952	28.8	171
28 Area 8a.....	164,701	12.5	167	24,250	8.5	169	13,836	2.0	199	126,956	39.6	163
29 Irrigated farms.....	7,267	28.4	207	1,020	25.4	249	280	3.2	514	5,957	47.0	185
30 Non-irrigated farms.	157,434	12.2	165	23,230	8.3	165	13,556	1.9	192	120,999	39.3	162
31 Area 8b.....	51,112	16.2	195	15,315	8.3	194	2,198	2.8	225	33,454	63.6	195
32 Irrigated farms.....	3,110	31.9	357	710	12.5	158	160	7.9	313	2,240	110.8	423
33 Non-irrigated farms.	48,002	15.7	185	14,605	8.2	196	2,038	2.7	218	31,214	61.7	179
34 Area 9.....	82,395	7.6	198	23,684	7.1	207	10,958	1.7	206	47,763	41.5	191
35 Irrigated farms.....	2,506	10.6	252	518	5.3	189	250	3.1	176	1,738	30.1	282
36 Non-irrigated farms.	79,889	7.5	196	23,166	7.2	208	10,708	1.7	207	46,025	42.2	187
37 Oregon, total.....	1,313,313	8.9	226	218,588	12.1	207	51,249	0.5	209	1,041,787	46.1	231
38 Irrigated farms.....	642,715	6.6	294	149,797	13.7	220	34,578	0.4	219	457,580	49.3	324
39 Non-irrigated farms.	670,598	13.5	161	68,791	9.6	178	16,671	0.6	186	584,207	43.8	184
40 Area 1a.....	22,726	7.1	296	14,319	9.1	276	4,532	3.0	239	3,860	29.9	439
41 Irrigated farms.....	9,882	12.7	327	5,976	17.4	315	2,138	6.1	275	1,758	21.5	432
42 Non-irrigated farms.	12,844	5.3	272	8,343	6.7	248	2,394	2.1	207	2,102	44.7	445
43 Area 1b.....	60,275	11.3	241	32,575	20.1	199	8,266	2.5	204	19,570	52.2	324
44 Irrigated farms.....	50,528	18.9	250	28,088	30.8	204	6,236	4.2	227	16,215	57.4	337
45 Non-irrigated farms.	9,747	3.7	195	4,487	6.3	168	2,030	1.1	134	3,355	36.4	262
46 Areas 2a and A.....	292,582	37.3	285	45,741	20.0	212	12,040	10.8	253	234,320	52.9	301
47 Irrigated farms.....	119,174	48.0	372	19,133	30.5	234	6,520	18.3	280	93,152	62.0	408
48 Non-irrigated farms.	173,408	32.4	225	26,608	16.0	196	5,520	7.2	221	141,168	48.2	231
49 Area 2b.....	323,091	43.1	234	42,199	20.9	196	13,527	9.8	195	267,091	65.4	243
50 Irrigated farms.....	126,330	54.9	268	23,156	42.1	230	7,314	19.1	219	96,396	70.5	280
51 Non-irrigated farms.	196,761	37.9	213	19,043	12.9	153	6,213	6.2	167	170,695	62.8	222
52 Area 3.....	327,283	9.6	81	17,469	10.2	155	2,857	0.1	172	306,434	36.1	77
53 Irrigated farms.....	82,959	5.9	123	12,161	14.5	180	2,657	0.2	176	67,718	33.9	111
54 Non-irrigated farms.	244,324	12.2	67	5,308	6.1	98	200	(Z)	110	238,716	36.8	67
55 Area 4.....	287,356	3.2	313	66,285	7.5	213	10,027	0.1	173	210,512	41.2	352
56 Irrigated farms.....	253,842	3.4	333	61,283	8.0	217	9,713	0.2	173	182,341	44.9	382
57 Non-irrigated farms.	33,514	2.4	157	5,002	4.2	156	314	(Z)	178	28,171	26.7	157
58 South Dakota, total.....	550,533	1.3	140	84,758	1.4	152	9,191	(Z)	146	459,192	3.7	137
59 Irrigated farms.....	17,958	1.0	217	3,426	2.8	158	50	(Z)	160	14,462	11.7	232
60 Non-irrigated farms.	532,575	1.3	137	81,332	1.4	152	9,141	(Z)	146	444,730	3.6	134
61 Area 1.....	17,466	0.1	181	2,731	0.1	179	58	(Z)	103	14,693	0.9	181
62 Irrigated farms.....	11,611	0.7	221	2,193	2.0	181	40	(Z)	100	9,369	10.7	231
63 Non-irrigated farms.	5,855	(Z)	102	538	(Z)	171	18	(Z)	111	5,324	0.3	94
64 Area 2a.....	14,749	0.3	76	385	(Z)	109	38	(Z)	105	14,281	0.7	75
65 Irrigated farms.....	...	...	...	...	...	109	...	...	...	...	...	...
66 Non-irrigated farms.	14,749	0.3	76	385	(Z)	109	38	(Z)	105	14,281	0.7	75
67 Area 2b.....	53,213	1.3	112	5,683	0.8	135	820	0.1	127	46,813	2.0	109
68 Irrigated farms.....	767	2.1	156	183	3.2	131	10	0.1	400	583	2.9	158
69 Non-irrigated farms.	52,446	1.3	111	5,500	0.7	135	810	0.1	123	46,230	2.0	108
70 Area 3a.....	20,125	0.7	87	1,830	0.3	95	75	(Z)	133	18,220	1.9	86
71 Irrigated farms.....	...	...	...	...	...	...	...	...	...	...	...	...
72 Non-irrigated farms.	20,125	0.7	87	1,830	0.3	95	75	(Z)	133	18,220	1.9	86
73 Area 3b.....	78,700	2.5	132	9,532	1.8	143	1,655	0.2	149	67,813	3.6	130
74 Irrigated farms.....	200	2.7	200	...	...	...	...	...	...	200	4.3	200
75 Non-irrigated farms.	78,500	2.5	132	9,532	1.8	143	1,655	0.2	149	67,613	3.6	130
76 Area 4a.....	110,136	3.9	135	28,091	5.2	160	1,415	0.3	165	81,259	4.6	125
77 Irrigated farms.....	1,625	33.6	158	100	6.3	200	...	...	...	1,535	75.3	154
78 Non-irrigated farms.	108,511	3.8	135	27,991	5.2	160	1,415	0.3	165	79,724	4.5	124
79 Area 4b.....	256,144	10.3	155	36,506	9.8	152	5,130	1.6	145	216,113	11.9	155
80 Irrigated farms.....	3,755	58.8	245	950	104.2	105	...	...	...	2,775	59.5	295
81 Non-irrigated farms.	252,389	10.1	154	35,556	9.6	153	5,130	1.6	145	213,338	11.8	153

USE OF FERTILIZER AND LIME

195

NON-IRRIGATED FARMS, BY ECONOMIC AREAS, FOR 20 SPECIFIED STATES: CENSUS OF 1954—Continued
States, see Table 2]

Fertilizer—Continued												Lime				
Specified crops fertilized			Specified crops fertilized			Fruits, vegetables, and potatoes fertilized			Other crops fertilized except hay			Acres limed	Percent of total cropland plus improved pasture	Quantity used per acre (pounds)		
Acres	Percent of total acres	Quantity used per acre (pounds)	Acres	Percent of total acres	Quantity used per acre (pounds)	Acres	Percent of total acres	Quantity used per acre (pounds)	Acres	Percent of total acres	Quantity used per acre (pounds)					
<i>Corn</i>			<i>Cotton</i>													
111,454	40.2	162	195,474	21.6	126	20,437	30.8	283	1,240,714	16.4	107	59,572	0.4	2,572	1	
573	15.8	230	21,556	31.9	129	5,700	72.9	362	31,145	13.6	124	515	0.1	3,173	2	
110,881	40.6	161	173,918	20.8	125	14,737	25.2	252	1,209,569	16.5	107	59,057	0.4	2,567	3	
737	13.5	87	10,656	15.8	94	119	8.1	454	41,728	1.8	83	...	...	...	4
133	38.1	120	345	19.9	232	116	58.9	466	7,771	10.8	101	...	...	...	5
604	11.8	79	10,311	15.7	90	3	0.2	(2)	33,957	1.5	79	...	...	...	6
6,438	51.2	109	9,590	26.0	151	1,202	26.6	146	511,249	23.6	73	12,054	0.4	2,854	7	
10	3.1	200	360	58.7	139	490	63.6	127	6,775	32.8	107	110	0.3	3,727	8	
6,428	52.5	109	9,230	25.5	152	712	19.0	160	504,474	23.5	73	11,944	0.4	2,846	9	
23,623	45.2	152	7,135	86.5	152	1,215	18.3	339	169,561	47.3	144	15,198	1.4	2,890	10	
...	...	...	946	1346.5	201	270	32.1	431	718	22.7	156	20	0.2	2,500	11
23,623	45.6	152	6,189	77.6	144	945	16.3	298	168,843	47.6	144	15,178	1.4	2,891	12	
4,015	26.5	163	105,082	17.8	104	3,050	41.9	226	157,136	9.1	98	1,310	(2)	1,525	13	
...	...	...	17,704	28.9	109	340	40.1	471	9,771	8.6	124	25	(2)	1,120	14
4,015	27.1	163	87,378	16.5	103	2,710	42.1	195	147,365	9.1	96	1,285	(2)	1,533	15	
10,736	28.1	165	8,942	29.2	154	686	8.8	359	172,497	40.0	121	6,151	0.5	2,313	16	
40	5.2	400	15	4.3	267	275	61.0	465	1,233	30.9	172	10	0.1	2,000	17	
10,696	28.6	164	8,927	29.5	154	411	5.6	287	171,264	40.1	121	6,141	0.5	2,314	18	
13,513	51.3	175	6,015	30.0	157	1,127	16.9	234	27,115	25.3	184	3,553	0.6	3,001	19	
100	67.6	240	40	48.8	250	710	1500.0	163	285	49.0	442	20	0.5	2,000	20	
13,413	51.2	175	5,975	29.9	157	417	6.4	355	26,830	25.2	181	3,533	0.6	3,007	21	
2,811	15.7	177	6,765	16.3	144	931	15.0	279	20,123	17.4	137	1,511	0.3	2,089	22	
...	...	...	...	...	...	...	...	...	435	63.3	202	...	...	...	23
2,811	16.0	177	6,765	16.4	144	931	16.0	279	19,688	17.1	135	1,511	0.3	2,089	24	
9,654	44.5	168	9,923	36.3	147	835	47.2	340	15,697	21.0	180	1,570	0.5	1,624	25	
90	52.0	444	...	...	...	60	73.2	400	7	1.6	286	10	0.3	2,000	26
9,564	44.4	166	9,923	36.5	147	775	46.0	335	15,690	21.1	180	1,560	0.5	1,622	27	
22,945	43.4	151	22,548	38.3	165	5,371	35.3	189	76,092	39.3	163	8,105	1.1	2,878	28	
...	...	...	1,746	78.9	252	1,210	58.5	255	3,001	37.7	119	175	0.9	3,120	29
22,945	43.8	151	20,802	36.7	157	4,161	31.7	170	73,091	39.3	165	7,930	1.1	2,873	30	
4,591	55.2	180	75	75.0	160	3,121	96.5	440	25,667	62.7	166	2,885	1.0	1,774	31	
130	72.2	123	...	...	...	1,805	1226.8	496	305	29.2	118	...	...	...	32
4,461	54.8	182	75	75.0	160	1,316	54.0	362	25,362	63.5	167	2,885	1.1	1,774	33	
12,391	47.4	197	8,743	42.2	185	2,780	49.8	363	23,849	38.1	168	7,235	1.3	1,912	34	
70	38.5	257	400	89.7	200	424	35.0	439	844	21.4	244	145	0.7	3,586	35	
12,321	47.4	197	8,343	41.2	184	2,356	53.9	349	23,005	39.3	165	7,090	1.3	1,878	36	
<i>Wheat</i>			<i>Oats</i>													
364,346	42.5	97	98,742	40.9	210	151,530	63.6	512	427,169	46.1	249	24,000	0.4	2,900	37	
105,883	49.3	136	45,419	57.9	291	116,836	95.9	558	189,442	36.9	292	9,970	0.4	2,891	38	
258,463	40.3	81	53,323	32.7	141	34,694	29.8	360	237,727	57.7	215	14,030	0.5	2,907	39	
20	5.4	100	565	10.5	244	1,397	71.2	440	1,878	36.2	492	1,952	1.0	4,588	40	
...	...	...	115	23.5	104	920	1335.8	365	723	9.8	567	623	1.2	6,523	41
20	6.1	100	450	9.2	280	477	28.2	583	1,155	(1)	445	1,329	0.9	3,681	42	
1,277	37.0	180	1,524	23.3	151	11,680	68.5	380	5,089	48.8	279	1,859	0.7	2,549	43	
743	44.8	205	875	27.6	151	10,760	81.5	366	3,837	37.5	319	1,117	0.8	1,903	44	
534	29.7	146	649	19.3	151	920	23.9	548	1,252	1642.1	155	742	0.7	3,520	45	
34,351	51.2	152	38,190	44.5	151	63,582	75.4	547	198,197	47.7	246	8,767	1.2	3,108	46	
11,275	88.0	157	11,187	74.4	156	39,879	102.4	622	30,811	31.9	318	3,962	1.7	3,334	47	
23,076	42.5	150	27,003	38.1	149	23,703	52.3	420	67,386	55.0	214	4,805	0.9	2,921	48	
22,038	60.2	151	36,210	47.4	132	21,214	68.1	443	187,629	71.0	252	10,015	1.5	2,707	49	
6,074	99.0	152	12,655	132.8	135	17,504	115.6	489	60,163	56.8	257	2,861	1.3	2,749	50	
15,964	52.4	151	23,555	35.2	130	3,710	23.2	230	127,466	80.4	249	7,154	1.5	2,690	51	
248,572	43.5	66	2,527	24.6	99	13,506	21.8	226	41,829	20.5	92	25	(2)	960	52	
46,921	54.1	75	1,349	41.7	98	7,677	56.8	282	11,771	12.3	146	25	(2)	960	53	
201,651	41.6	63	1,178	16.7	100	5,829	12.0	152	30,058	27.7	71	...	...	...	54
58,088	32.7	175	19,726	34.7	485	40,151	96.3	632	92,547	39.3	311	1,382	0.1	1,111	55	
40,870	38.0	196	19,238	41.0	492	40,096	98.5	632	82,137	39.0	324	1,382	0.1	1,111	56	
17,218	24.5	124	488	5.0	193	55	5.5	255	10,410	42.3	202	...	...	...	57
<i>Corn</i>			<i>Wheat</i>													
259,674	6.5	139	31,090	1.2	96	5,172	41.5	196	163,256	2.7	137	1,001	(2)	1,267	58	
4,413	14.5	253	576	1.9	118	1,343	59.7	191	8,130	13.5	235	20	(2)	1,000	59	
255,261	6.4	137	30,514	1.2	96	3,829	37.4	197	155,126	2.6	132	981	(2)	1,272	60	
2,285	0.7	173	3,744	0.4	87	98	10.3	265	8,566	1.5	224	9	(2)	2,667	61	
1,523	7.5	209	546	2.3	114	93	18.9	172	7,207	16.9	245	...	...	...	62
762	0.3	102	3,198	0.4	82	5	1.1	2,000	1,359	0.3	112	9	(2)	2,667	63	
5,919	1.3	76	4,507	0.6	72	...	...	...	3,855	0.5	77	62	(2)	1,355	64
...	65
5,919	1.3	76	4,507	0.6	72	...	...	...	3,855	0.5	77	62	(2)	1,355	66
22,725	4.3	108	8,813	1.3	86	766	18.7	272	14,509	1.2	115	205	(2)	1,024	67	
295	5.8	142	30	0.5	200	240	20.3	167	18	0.2	222	...	...	...	68
22,430	4.3	108	8,783	1.3	85	526	18.1	319	14,491	1.2	115	205	(2)	1,024	69	
8,700	2.1	81	3,484	2.7	82	1	0.4	(2)	6,035	1.4	95	...	...	...	70
...	71
8,700	2.1	81	3,484	2.7	82	1	0.4	(2)	6,035	1.4	95	...	...	...	72
35,263	3.8	140	3,475	6.3	106	559	57.7	197	28,516	3.1	119					

USE OF FERTILIZER AND LIME

Table 3.—USE OF FERTILIZER FOR SPECIFIED CROPS AND USE OF LIME, FOR IRRIGATED AND

[For data for 28 specified

State and economic area	Fertilizer											
	All crops and all pasture fertilized			Hay and cropland pasture fertilized			Other pasture fertilized			All crops fertilized except hay		
	Acres	Percent of total acres	Quantity used per acre (pounds)	Acres	Percent of total acres	Quantity used per acre (pounds)	Acres	Percent of total acres	Quantity used per acre (pounds)	Acres	Percent of total acres	Quantity used per acre (pounds)
1 Texas, total	4,564,523	3.8	215	832,513	9.3	208	306,401	0.4	202	3,425,111	14.7	218
2 Irrigated farms	1,705,437	10.0	232	174,821	13.3	233	31,277	0.3	192	1,502,586	23.4	233
3 Non-irrigated farms	2,859,086	2.8	205	657,692	8.7	202	275,124	0.4	203	1,922,525	11.3	206
4 Areas 1a and A	152,180	1.0	308	27,843	41.0	289	201	(2)	149	124,312	71.8	312
5 Irrigated farms	150,321	6.1	309	27,698	45.5	289	201	(2)	159	122,503	72.1	313
6 Non-irrigated farms	1,859	(2)	244	145	2.1	331	...	...	...	1,809	55.2	226
7 Area 1b	12,219	0.1	192	2,621	2.2	251	750	(2)	27	8,848	10.1	188
8 Irrigated farms	8,633	0.6	199	2,270	7.3	240	750	0.1	27	5,613	21.1	206
9 Non-irrigated farms	3,586	(2)	175	351	0.4	325	...	...	...	3,235	5.3	158
10 Area 2	74,934	1.1	153	27,174	6.4	168	1,985	(2)	139	45,781	9.7	144
11 Irrigated farms	12,058	2.3	198	5,039	18.5	228	167	(2)	359	6,906	15.5	170
12 Non-irrigated farms	62,876	1.0	144	22,135	5.6	154	1,818	(2)	119	38,875	9.1	140
13 Area 3	90,682	1.2	276	21,373	10.4	191	2,618	(2)	124	66,594	25.7	310
14 Irrigated farms	59,325	3.6	354	10,657	12.8	245	1,100	0.1	145	47,609	49.6	383
15 Non-irrigated farms	31,357	0.5	130	10,716	8.7	136	1,518	(2)	108	18,985	11.6	129
16 Area 4	307,244	2.3	164	11,601	3.0	212	1,162	(2)	146	295,616	6.4	161
17 Irrigated farms	291,401	7.8	167	9,967	7.0	234	1,092	0.1	150	281,482	12.1	164
18 Non-irrigated farms	15,843	0.2	97	1,634	0.7	73	70	(2)	86	14,134	0.6	100
19 Area 5	111,441	1.1	277	18,134	11.3	378	767	(2)	156	92,357	2.4	258
20 Irrigated farms	109,081	3.8	280	17,919	22.8	381	767	0.1	156	90,212	4.5	261
21 Non-irrigated farms	2,360	(2)	136	215	0.3	167	...	...	...	2,145	0.1	132
22 Area 6a	109,004	0.8	121	19,384	2.3	182	7,288	0.1	89	82,443	2.3	109
23 Irrigated farms	15,409	2.7	177	5,766	9.7	207	731	0.3	197	8,931	4.1	155
24 Non-irrigated farms	93,595	0.7	112	13,618	1.8	171	6,557	0.1	77	73,512	2.1	104
25 Area 6b	33,727	1.0	151	13,718	9.2	133	1,319	(2)	158	18,714	4.9	163
26 Irrigated farms	7,255	3.8	108	6,920	70.2	107	...	...	...	335	6.2	113
27 Non-irrigated farms	26,472	0.8	163	6,798	4.9	160	1,319	0.1	158	18,379	4.9	164
28 Area 7a	242,244	7.3	139	58,079	13.2	143	7,491	0.3	108	177,057	38.3	139
29 Irrigated farms	14,220	18.4	140	5,449	63.4	132	175	0.3	114	8,401	51.4	150
30 Non-irrigated farms	228,024	7.0	139	52,630	12.2	144	7,316	0.3	108	168,656	37.9	138
31 Areas 7b and B	89,622	5.7	169	33,115	11.9	172	7,036	0.8	160	49,486	11.3	169
32 Irrigated farms	3,933	18.9	281	1,121	22.6	300	100	1.1	600	2,722	42.3	260
33 Non-irrigated farms	85,689	5.5	164	31,994	11.7	168	6,936	0.8	153	46,764	10.8	163
34 Area 7c	32,559	1.5	127	9,971	5.2	152	502	(2)	135	22,110	5.4	116
35 Irrigated farms	3,093	6.2	169	1,147	25.5	232	75	0.2	133	1,871	24.8	133
36 Non-irrigated farms	29,466	1.3	123	8,824	4.7	142	427	(2)	136	20,239	5.1	114
37 Areas 8, C, D, and E	494,606	7.2	189	140,432	10.6	192	40,954	1.8	194	311,900	9.6	187
38 Irrigated farms	25,887	27.5	179	12,134	43.5	173	462	1.8	130	13,192	32.9	188
39 Non-irrigated farms	468,719	7.0	189	128,298	9.9	194	40,492	1.8	194	298,708	9.3	187
40 Area 9	300,272	16.2	215	51,058	10.3	217	40,550	4.3	218	207,839	49.4	214
41 Irrigated farms	14,474	21.3	156	4,205	17.7	177	1,663	7.5	121	8,706	39.6	150
42 Non-irrigated farms	285,798	16.0	218	46,853	9.9	221	38,887	4.3	223	199,133	49.9	217
43 Area 10	171,881	11.2	203	33,632	11.2	206	15,193	2.2	170	123,683	23.3	205
44 Irrigated farms	10,685	33.9	212	2,507	28.9	308	435	4.6	110	7,743	58.3	186
45 Non-irrigated farms	161,196	10.7	202	31,125	10.7	197	14,758	2.1	172	115,940	22.4	206
46 Areas 11 and F	269,256	6.2	147	78,771	13.9	145	10,005	0.4	122	180,761	12.5	149
47 Irrigated farms	38,009	16.2	194	13,216	25.9	199	1,347	1.4	113	23,437	27.4	196
48 Non-irrigated farms	231,247	5.6	139	65,555	12.7	135	8,658	0.4	123	157,324	11.5	142
49 Area 12	804,281	18.8	268	172,329	12.3	253	111,650	5.3	226	517,401	68.0	284
50 Irrigated farms	34,386	31.3	305	7,110	22.0	261	9,401	18.2	229	17,692	68.5	367
51 Non-irrigated farms	769,895	18.5	267	165,219	12.1	252	102,249	5.0	225	499,709	68.0	282
52 Area 13	126,482	19.1	255	31,224	11.4	265	18,614	6.7	200	76,638	69.8	264
53 Irrigated farms	7,184	27.7	225	2,268	18.6	187	110	1.7	782	4,805	66.0	230
54 Non-irrigated farms	119,298	18.8	257	28,956	11.0	271	18,504	6.8	196	71,833	70.1	267
55 Area 14, G, and H	870,129	15.7	219	61,943	5.2	230	36,739	1.2	216	772,635	62.9	218
56 Irrigated farms	637,706	31.2	219	20,282	3.5	223	11,144	1.4	180	608,138	94.0	219
57 Non-irrigated farms	232,423	6.7	220	41,661	6.8	234	25,595	1.1	232	164,497	28.3	215
58 Area 15	271,760	21.9	265	20,111	21.0	155	1,577	0.5	334	250,936	30.6	272
59 Irrigated farms	262,377	33.8	266	19,146	30.9	154	1,557	1.9	334	242,288	38.2	274
60 Non-irrigated farms	9,383	2.0	225	965	2.9	160	20	(2)	300	8,648	4.7	225
61 Utah, total	166,549	1.6	257	55,095	6.7	217	7,400	0.1	178	104,433	15.4	283
62 Irrigated farms	161,501	1.9	262	54,675	7.1	217	7,350	0.1	179	99,860	19.4	292
63 Non-irrigated farms	5,048	0.3	108	420	0.7	210	50	(2)	80	4,573	2.8	99
64 Area 1	67,833	1.7	219	17,774	5.7	191	3,501	0.1	171	46,606	14.3	233
65 Irrigated farms	63,450	2.1	228	17,689	6.2	192	3,501	0.1	171	42,308	18.6	248
66 Non-irrigated farms	4,383	0.5	90	85	0.3	141	...	...	...	4,298	4.4	89
67 Areas 2 and A	53,688	3.7	304	12,676	9.2	221	1,455	0.1	225	39,771	29.4	332
68 Irrigated farms	53,323	4.5	304	12,581	10.2	220	1,455	0.2	225	39,506	31.4	332
69 Non-irrigated farms	365	0.1	285	95	0.7	328	...	...	...	265	2.8	264
70 Area 3	45,028	0.9	259	24,645	6.5	233	2,444	0.1	159	18,056	8.4	305
71 Irrigated farms	44,728	1.1	259	24,405	6.8	234	2,394	0.1	160	18,046	11.2	305
72 Non-irrigated farms	300	(2)	160	240	1.1	175	50	(2)	80	10	(2)	200

Z Less than 0.05. ¹Over 100 percent. See text.

USE OF FERTILIZER AND LIME

Table 3.—USE OF FERTILIZER FOR SPECIFIED CROPS AND USE OF LIME, FOR IRRIGATED AND

[For data for 28 specified

State and economic area	Fertilizer											
	All crops and all pasture fertilized			Hay and cropland pasture fertilized			Other pasture fertilized			All crops fertilized except hay		
	Acres	Percent of total acres	Quantity used per acre (pounds)	Acres	Percent of total acres	Quantity used per acre (pounds)	Acres	Percent of total acres	Quantity used per acre (pounds)	Acres	Percent of total acres	Quantity used per acre (pounds)
1 Washington, total	1,781,388	16.7	175	192,079	13.2	224	24,894	0.4	214	1,563,336	44.5	169
2 Irrigated farms	572,378	15.7	291	95,684	21.4	231	15,612	0.6	197	459,679	59.4	308
3 Non-irrigated farms.	1,209,010	17.2	121	96,395	9.6	217	9,282	0.3	243	1,103,657	40.3	111
4 Area 1	13,422	8.8	240	9,215	8.4	234	1,825	4.8	184	2,382	46.1	306
5 Irrigated farms	7,170	17.2	208	5,415	22.9	215	1,040	8.8	163	705	11.1	224
6 Non-irrigated farms.	6,252	9.6	276	3,800	4.4	261	785	3.0	211	1,677	(¹)	340
7 Area 2	100,207	29.0	364	51,662	20.9	274	895	3.1	371	47,550	68.9	462
8 Irrigated farms	23,487	67.2	428	13,252	59.6	269	150	7.6	267	10,090	93.8	640
9 Non-irrigated farms.	76,720	24.7	344	38,410	17.1	276	745	2.8	392	37,460	64.3	414
10 Areas 3, A, and B	25,508	16.4	635	12,320	11.6	254	2,055	6.4	236	11,228	64.2	1,120
11 Irrigated farms	8,515	42.8	768	4,300	43.8	227	580	22.6	434	3,625	48.4	1,465
12 Non-irrigated farms.	16,993	12.5	568	8,020	8.3	269	1,475	5.0	159	7,603	76.0	956
13 Areas 4 and C	44,086	13.5	256	20,402	10.7	197	4,775	6.2	308	18,919	32.8	306
14 Irrigated farms	16,120	30.6	265	8,159	32.9	226	1,485	14.3	302	6,486	36.9	305
15 Non-irrigated farms.	27,966	10.2	251	12,243	7.3	178	3,290	4.9	311	12,433	31.0	306
16 Area 5a	46,421	3.7	343	6,446	6.7	223	1,558	0.1	273	38,579	50.2	364
17 Irrigated farms	33,060	8.0	355	5,511	11.3	218	958	0.2	205	36,748	74.9	378
18 Non-irrigated farms.	3,361	0.5	183	935	2.0	255	600	0.1	383	1,831	6.6	81
19 Area 5b	30,189	10.5	156	7,234	5.5	160	410	0.4	132	22,414	37.0	155
20 Irrigated farms	11,956	16.1	162	2,854	10.0	141	350	1.3	137	8,752	47.5	169
21 Non-irrigated farms.	18,233	8.5	152	4,380	4.2	173	60	0.1	100	13,662	32.4	146
22 Area 6	259,965	11.7	290	48,005	18.0	222	7,163	0.5	151	204,400	44.0	312
23 Irrigated farms	192,848	14.7	353	35,683	18.0	248	6,461	0.8	151	149,663	57.3	389
24 Non-irrigated farms.	67,117	7.3	110	12,322	18.0	147	702	0.1	148	54,737	26.9	100
25 Area 7a	467,661	14.2	132	9,620	9.9	253	2,532	0.1	226	455,311	32.5	129
26 Irrigated farms	118,774	12.7	336	7,628	18.6	267	2,352	0.3	233	108,713	52.6	344
27 Non-irrigated farms.	348,887	14.8	63	1,992	3.6	200	180	(Z)	133	346,598	29.0	62
28 Areas 7b and D	793,929	30.2	110	27,175	13.2	140	3,681	0.3	158	762,553	56.2	109
29 Irrigated farms	150,448	23.5	127	12,882	25.5	159	2,236	0.6	181	134,897	68.8	123
30 Non-irrigated farms.	643,481	32.3	106	14,293	9.2	123	1,445	0.2	122	627,656	54.1	106
31 Wyoming, total	121,397	0.4	194	44,848	3.2	169	2,271	(Z)	211	74,324	12.1	209
32 Irrigated farms	119,082	0.7	194	43,862	4.2	169	2,271	(Z)	211	72,994	22.0	209
33 Non-irrigated farms.	2,315	(Z)	178	986	0.3	193	...	...	...	1,330	0.5	167
34 Area 1	6,079	0.1	215	4,193	0.7	209	110	(Z)	145	1,776	3.9	234
35 Irrigated farms	5,949	0.1	215	4,073	0.8	210	110	(Z)	145	1,766	4.2	231
36 Non-irrigated farms.	130	(Z)	246	120	0.3	200	...	...	...	10	0.2	800
37 Area 2a	79,059	1.2	191	31,194	9.0	159	1,751	(Z)	228	46,151	24.6	211
38 Irrigated farms	78,812	1.9	191	31,107	9.5	158	1,751	(Z)	228	45,991	25.8	212
39 Non-irrigated farms.	247	(Z)	202	87	0.4	437	...	...	...	160	1.8	75
40 Area 2b	36,259	0.2	197	9,461	2.1	184	410	(Z)	156	26,397	6.9	202
41 Irrigated farms	34,321	0.7	199	8,682	4.9	186	410	(Z)	156	25,237	22.6	204
42 Non-irrigated farms.	1,938	(Z)	170	779	0.3	164	...	...	...	1,160	0.4	174

Z Less than 0.05. ¹Over 100 percent. See text.

USE OF FERTILIZER AND LIME

NON-IRRIGATED FARMS, BY ECONOMIC AREAS, FOR 20 SPECIFIED STATES: CENSUS OF 1954—Continued

States, see Table 2]

Fertilizer—Continued												Lime		
Specified crops fertilized			Specified crops fertilized			Fruits, vegetables, and potatoes fertilized			Other crops fertilized except hay			Acres limed	Percent of total cropland plus improved pasture	Quantity used per acre (pounds)
Acres	Percent of total acres	Quantity used per acre (pounds)	Acres	Percent of total acres	Quantity used per acre (pounds)	Acres	Percent of total acres	Quantity used per acre (pounds)	Acres	Percent of total acres	Quantity used per acre (pounds)			
<i>Wheat</i>			<i>Oats</i>											
962,952	44.4	92	57,177	31.8	157	199,786	80.4	424	343,421	37.7	237	25,541	0.3	2,381
144,780	63.6	115	18,232	53.3	179	159,004	85.7	404	137,663	42.2	413	5,676	0.3	2,092
818,172	42.1	87	38,945	26.7	147	40,782	64.6	503	205,758	35.2	119	19,865	0.3	2,464
...	...	...	392	10.7	173	1,742	92.1	321	248	(1)	411	840	0.6	1,440
...	...	...	67	9.9	119	580	1219.7	214	58	1.1	414	290	0.8	857
...	...	...	325	10.9	185	1,162	71.4	375	190	(1)	411	550	0.6	1,727
2,050	55.5	275	7,995	30.4	237	33,055	1112.7	525	4,450	45.8	477	16,653	5.0	2,822
425	1244.3	301	960	58.9	221	8,265	1242.0	716	440	7.9	382	3,228	9.1	2,494
1,625	46.2	268	7,035	28.6	239	24,790	95.7	462	4,010	96.3	488	13,425	4.5	2,901
...	...	...	215	12.9	353	9,335	84.4	1,096	1,678	35.6	1,257	2,595	1.8	2,274
...	...	...	10	37.0	200	3,030	61.3	1,319	585	23.2	2,181	895	4.5	1,911
...	...	...	205	12.5	361	6,305	1103.0	989	1,093	50.0	763	1,700	1.4	2,465
1,893	28.4	143	9,076	28.6	164	4,985	62.9	534	2,965	26.3	459	4,452	1.6	1,311
1,206	1299.3	138	2,255	114.8	140	2,440	1153.2	483	585	4.3	533	345	0.7	2,899
687	11.0	151	6,821	22.9	172	2,545	40.2	584	2,380	(1)	440	4,107	1.7	1,178
3,138	10.0	71	129	3.5	481	34,863	97.1	388	449	7.8	281	830	0.3	843
1,412	19.4	64	89	12.0	652	34,798	98.3	388	449	7.9	281	830	0.6	843
1,726	7.1	76	40	1.4	100	65	12.9	215	...	...	...	...	...	...
9,137	36.0	137	9,927	48.3	176	81	13.5	296	3,269	23.2	143	1	(2)	2,000
2,332	54.8	117	5,120	99.5	202	80	30.1	300	1,220	14.0	125	...	...	...
6,805	32.2	143	4,807	31.2	149	1	0.3	(2)	2,049	38.4	153	1	(2)	2,000
48,873	23.6	115	5,438	30.6	164	70,184	71.1	366	79,905	56.7	392	65	(2)	2,000
12,202	29.9	157	4,769	30.8	179	69,184	71.6	365	63,508	58.7	473	65	(2)	2,000
36,671	22.1	101	669	29.4	60	1,000	49.0	458	16,397	50.2	76	...	...	...
347,485	33.2	71	5,893	18.3	101	16,047	96.1	619	85,886	27.9	271	...	...	...
45,093	47.3	153	1,398	34.4	213	15,740	95.4	626	46,482	51.3	434	...	...	...
302,392	31.8	59	4,495	16.0	66	307	1152.0	228	39,404	18.2	80	...	...	...
550,376	64.8	101	18,112	42.5	119	29,494	63.4	163	164,571	39.4	124	105	(2)	343
82,110	1103.7	88	3,564	80.1	135	24,887	94.1	179	24,336	28.3	187	23	(2)	1,043
468,266	60.8	103	14,548	38.1	115	4,607	23.0	76	140,235	42.3	113	82	(2)	146
<i>Sugar beets</i>			<i>Wheat</i>											
34,076	92.4	260	3,681	1.5	177	3,287	47.9	260	33,280	10.0	154	955	(2)	1,321
34,076	92.4	260	3,431	6.8	182	3,287	52.3	260	32,200	13.5	153	935	0.1	1,337
...	...	...	250	0.1	104	...	...	...	1,080	1.1	181	20	(2)	600
...	...	...	395	3.4	147	375	1120.6	117	1,006	3.0	312	...	...	...
...	...	...	395	4.3	147	375	1126.3	117	996	3.1	307	...	...	...
...	...	...	...	...	...	...	...	...	10	0.6	800	...	...	...
18,303	86.7	286	2,872	14.2	189	1,854	50.3	318	23,122	16.2	146	635	0.1	1,024
18,303	86.7	286	2,712	19.3	195	1,854	50.7	318	23,122	16.6	146	635	0.1	1,024
...	...	...	160	2.6	75	...	...	...	...	...	...	...	...	...
15,773	99.9	231	414	0.2	126	1,058	37.0	210	9,152	5.8	156	320	(2)	1,912
15,773	99.9	231	324	1.2	117	1,058	45.4	210	8,082	12.1	153	300	0.1	2,000
...	...	...	90	0.1	156	...	...	...	1,070	1.2	176	20	(2)	600

USE OF FERTILIZER AND LIME

Table 4.—USE AND EXPENDITURES FOR FERTILIZER AND LIME BY ECONOMIC CLASS OF FARM, BY ECONOMIC AREAS:
CENSUS OF 1954

State, economic area, and economic class of farm	Total number of farms	Fertilizer										Lime									
		Farms reporting use of fertilizer	Acres fertilized as a percent of total cropland plus improved pasture	Percent distribution of—			Quantity used per acre fertilized (lb.)	Expenditures (dollars)			Farms reporting use of lime	Acres limed as a percent of total cropland plus improved pasture	Percent distribution of—			Quantity used per acre limed (lb.)	Expenditures (dollars)				
				Farms reporting fertilizer	Fertilizer used	Acres fertilized		For fertilizer	Per acre fertilized	Per cent. of fertilizer used			Farms reporting lime	Lime used	Acres limed		For lime	Per acre limed			
United States. total	4,783,021	2,916,406	25.6	100.0	100.0	100.0	309	1,079,265,372	8.79	2.85	520,445	2.2	100.0	100.0	100.0	3,290	69,477,336	6.62			
Commercial farms	3,327,617	2,294,961	26.0	78.7	94.0	94.6	307	1,024,105,436	8.81	2.87	450,850	2.2	86.5	94.2	93.1	3,328	65,021,932	6.65			
Class I	134,003	96,078	30.3	3.3	20.8	17.8	361	255,328,417	11.60	3.21	24,538	2.2	4.7	13.7	14.9	3,021	10,615,240	6.80			
Class II	448,945	326,108	26.5	11.2	22.1	24.8	276	250,912,988	8.25	2.99	96,808	2.4	18.6	28.1	26.2	3,529	19,124,948	6.94			
Class III	706,929	488,587	23.5	16.8	19.7	22.3	273	213,197,369	7.80	2.86	128,738	2.2	24.7	25.8	24.4	3,478	17,193,656	6.71			
Class IV	811,965	554,153	24.0	19.0	16.3	16.0	315	164,442,698	8.37	2.65	106,068	2.0	20.4	15.7	15.6	3,315	10,542,820	6.45			
Class V	763,348	527,738	27.3	18.1	11.0	10.1	336	105,284,697	8.50	2.53	68,914	2.1	13.2	8.4	9.1	3,042	5,778,637	6.06			
Class VI	462,427	302,297	26.4	10.4	4.0	3.7	334	36,969,267	8.05	2.41	25,784	1.8	5.0	2.5	3.0	2,824	1,766,631	5.67			
Other farms	1,455,404	621,445	20.7	21.3	6.0	5.4	346	55,159,936	8.36	2.42	69,595	2.3	13.4	5.8	6.9	2,768	4,455,404	6.15			
Alabama. total	176,949	144,296	57.8	100.0	100.0	100.0	403	40,319,911	8.43	2.09	6,793	2.8	100.0	100.0	100.0	1,775	1,163,425	5.08			
Commercial farms	95,107	89,346	62.1	61.9	87.0	85.8	409	35,036,378	8.55	2.09	5,209	3.0	76.7	87.0	85.4	1,807	1,001,520	5.12			
Class I	1,017	862	48.6	0.6	8.4	6.6	516	3,053,896	9.73	1.89	245	5.0	3.6	16.5	14.1	2,065	165,952	5.12			
Class II	3,301	2,976	57.0	2.1	11.9	10.5	459	4,625,306	9.25	2.02	633	4.2	9.3	18.0	16.1	1,978	203,674	5.51			
Class III	6,132	5,691	60.5	3.9	12.6	12.1	420	5,059,379	8.73	2.08	1,037	4.5	15.3	17.4	18.7	1,647	221,162	5.15			
Class IV	17,126	16,216	68.0	11.2	20.2	20.4	399	8,247,456	8.47	2.12	1,353	2.8	19.9	16.5	17.3	1,692	198,241	5.02			
Class V	32,335	30,695	67.2	21.3	21.9	23.0	383	9,093,396	8.25	2.15	1,440	2.1	21.2	15.3	15.3	1,769	170,662	4.86			
Class VI	35,196	32,906	60.0	22.8	11.9	13.2	363	4,956,945	7.85	2.16	501	0.8	7.4	3.4	3.8	1,584	41,829	4.80			
Other farms	81,842	54,950	40.8	38.1	13.0	14.2	367	5,283,533	7.76	2.11	1,584	2.0	23.3	13.0	14.6	1,587	161,905	4.85			
Area 1	21,655	17,982	60.9	100.0	100.0	100.0	365	5,006,670	7.16	1.96	1,040	2.9	100.0	100.0	100.0	2,309	154,471	4.62			
Commercial farms	13,866	13,284	64.5	73.9	92.2	91.8	367	4,618,765	7.20	1.96	920	3.2	88.5	96.2	94.3	2,356	146,531	4.64			
Class I	126	125	65.8	0.7	10.4	9.1	422	522,247	8.25	1.96	52	6.2	5.0	21.8	17.9	2,813	26,593	4.45			
Class II	421	413	64.8	2.3	12.4	11.9	382	631,401	7.59	1.99	119	4.2	11.4	19.0	16.2	2,754	29,479	5.45			
Class III	1,090	1,026	59.5	5.7	15.0	14.4	300	750,599	7.43	1.96	194	3.4	18.7	16.1	17.4	2,141	26,362	4.53			
Class IV	3,037	2,944	67.6	16.4	21.6	22.6	349	1,111,749	7.03	2.01	222	2.3	21.3	15.5	15.8	2,265	23,917	4.51			
Class V	5,394	5,239	67.1	29.1	23.7	24.3	356	1,159,594	6.83	1.92	237	2.9	22.8	18.7	22.0	1,964	29,395	4.00			
Class VI	3,798	3,537	58.7	19.7	9.0	9.5	347	443,175	6.68	1.92	96	1.5	9.2	4.8	5.1	2,197	10,785	6.34			
Other farms	7,789	4,698	37.4	26.1	7.8	8.2	348	387,905	6.73	1.93	120	1.2	11.5	3.8	5.7	1,534	7,940	4.20			
Area 2	25,019	21,207	72.8	100.0	100.0	100.0	446	6,453,128	10.41	2.33	690	1.9	100.0	100.0	100.0	1,995	73,813	4.62			
Commercial farms	16,703	15,880	76.8	74.9	89.2	89.2	447	5,781,491	10.46	2.34	550	2.0	79.7	88.5	90.4	1,954	66,113	4.58			
Class I	143	118	76.8	0.6	1.8	1.6	482	97,824	9.67	2.01	11	15.0	1.6	11.9	12.4	1,924	7,212	3.65			
Class II	578	481	70.9	2.3	5.7	5.1	491	363,138	11.40	2.32	25	2.4	3.6	7.5	6.6	2,245	4,856	4.57			
Class III	716	660	76.8	3.1	8.1	8.0	455	498,137	10.06	2.26	46	4.2	6.7	18.5	17.1	2,043	13,049	4.77			
Class IV	3,483	3,321	76.6	15.7	26.6	26.6	446	1,757,222	10.65	2.39	195	2.0	28.3	26.4	27.6	1,908	20,990	4.76			
Class V	6,936	6,665	79.4	31.4	32.9	33.4	440	2,169,462	10.48	2.38	208	1.3	30.1	19.0	21.2	1,789	16,271	4.80			
Class VI	4,841	4,635	73.9	21.9	14.1	14.4	438	895,708	10.05	2.29	65	0.7	9.4	5.2	5.5	1,909	3,735	4.27			
Other farms	8,316	5,327	50.7	25.1	10.8	10.8	445	671,637	10.02	2.25	140	1.2	20.3	11.5	9.6	2,377	7,700	5.00			
Area 3 and A	19,560	14,245	50.5	100.0	100.0	100.0	402	3,096,079	8.59	2.14	850	3.8	100.0	100.0	100.0	1,761	123,851	4.56			
Commercial farms	7,240	6,536	57.6	45.9	78.8	75.4	420	2,450,514	9.02	2.15	461	4.0	54.2	72.0	69.5	1,824	83,231	4.40			
Class I	129	91	60.5	0.6	6.9	4.8	577	174,193	10.08	1.75	24	11.1	2.8	10.3	11.6	1,562	10,667	3.38			
Class II	275	224	51.7	1.6	8.2	7.8	424	243,215	8.66	2.04	73	7.5	8.6	17.0	15.1	1,986	20,917	5.11			
Class III	589	501	58.2	3.5	11.1	11.2	400	348,617	8.65	2.16	83	5.8	9.8	24.9	14.7	1,791	16,578	4.15			
Class IV	1,674	1,544	64.1	10.8	22.7	21.6	422	723,556	9.29	2.20	96	2.7	11.3	13.2	12.0	1,944	17,007	5.22			
Class V	2,405	2,232	60.1	15.7	20.5	20.0	413	672,533	9.35	2.27	160	3.5	18.8	15.3	15.3	1,756	16,712	4.01			
Class VI	2,168	1,944	46.3	13.6	9.3	10.1	372	288,400	7.94	2.13	25	0.3	2.9	1.3	0.8	2,667	1,350	6.00			
Other farms	12,320	7,709	36.7	54.1	21.2	24.6	347	645,565	7.29	2.10	389	3.4	45.8	28.0	30.5	1,616	40,620	4.90			
Areas 4 and B	15,260	11,837	42.3	100.0	100.0	100.0	389	2,341,129	8.41	2.16	713	3.3	100.0	100.0	100.0	1,784	135,668	6.26			
Commercial farms	6,170	5,780	48.1	48.8	75.2	74.2	394	1,773,715	8.59	2.18	443	3.8	62.1	74.0	76.0	1,738	99,806	6.06			
Class I	56	41	37.2	0.3	4.1	2.9	553	82,632	10.33	1.87	13	4.9	1.8	5.6	4.9	2,051	7,275	6.92			
Class II	243	229	43.3	1.9	10.4	8.9	452	251,473	10.14	2.24	62	6.2	8.7	17.8	16.2	1,954	26,359	7.66			
Class III	285	251	43.1	2.1	8.4	7.6	430	199,726	9.46	2.20	53	6.1	7.4	9.6	13.8	1,248	15,238	5.09			
Class IV	597	555	52.9	4.7	12.1	11.6	404	271,898	8.41	2.08	88	8.4	12.3	20.5	23.8	1,538	25,976	5.04			
Class V	1,974	1,830	49.3	15.5	21.6	22.8	369	516,328	8.14	2.20	143	1.9	20.1	13.8	11.2	2,193	15,912	6.55			
Class VI	3,015	2,874	50.9	24.3	18.6	20.4	355	451,678	7.94	2.24	84	1.2	11.8	6.8	6.1	1,980	8,446	6.39			
Other farms	9,090	6,057	31.3	51.2	24.8	25.8	375	567,414	7.90	2.11	270	2.3	37.9	26.0	24.0	1,931	35,862	6.88			
Area 5	27,360	22,082	53.3	100.0	100.0	100.0	386	5,086,816	8.25	2.14	772	2.9	100.0	100.0	100.0	1,751	166,235	4.90			
Commercial farms	12,472	11,740	59.4	53.2	79.8	77.4	397	4,047,817	8.48	2.14	518	3.2	67.1	83.5	76.8	1,902	139,079	5.33			
Class I	104	86	52.3	0.4	9.3	6.6	541	413,513	10.15	1.88	39	8.3	5.1	24.0	19.1	2,206	39,103	6.03			
Class II	365	317	57.2	1.4	10.8	8.7	480	485,602	9.11	1.90	52	4.6	6.7	14.8	12.7	2,050	22,427	5.22			
Class III	552	515	53.0	2.3																	

USE OF FERTILIZER AND LIME

Table 4.—USE AND EXPENDITURES FOR FERTILIZER AND LIME BY ECONOMIC CLASS OF FARM, BY ECONOMIC AREAS: CENSUS OF 1954—Continued

State, economic area, and economic class of farm	Total number of farms	Fertilizer							Lime									
		Farms reporting use of fertilizer	Acres fertilized as a percent of total cropland plus improved pasture	Percent distribution of—			Quantity used per acre fertilized (lb.)	Expenditures (dollars)			Farms reporting use of lime	Acres limed as a percent of total cropland plus improved pasture	Percent distribution of—			Expenditures (dollars)		
				Farms reporting fertilizer	Fertilizer used	Acres fertilized		For fertilizer	Per acre fertilized	Per cent. of fertilizer used			Farms reporting lime	Lime used	Acres limed	For lime	Per acre limed	
Alabama—Continued																		
Area 7b.....	6,430	5,397	52.6	100.0	100.0	100.0	338	728,755	7.40	2.19	108	1.4	100.0	100.0	100.0	1,714	16,337	6.19
Commercial farms.....	1,929	1,872	53.6	34.7	66.6	65.5	344	488,156	7.57	2.20	57	1.5	52.8	66.6	68.7	1,662	11,607	6.40
Class I.....	10	10	22.2	0.2	1.0	1.1	305	7,163	6.62	2.17	...	...	...	...	...	...	...	...
Class II.....	28	25	48.0	0.5	5.7	3.6	535	36,929	10.44	1.95	5	1.0	4.6	9.5	8.3	1,454	2,169	9.90
Class III.....	55	54	45.2	1.0	7.3	6.3	396	52,830	8.56	2.16	5	1.3	4.6	9.3	6.7	2,360	2,514	14.12
Class IV.....	205	196	55.8	3.6	14.5	14.7	333	105,018	7.24	2.18	15	3.6	13.4	29.8	35.4	1,445	4,208	4.51
Class V.....	436	423	61.0	7.8	18.6	19.7	320	138,742	7.15	2.23	25	1.0	23.1	12.9	11.7	1,883	1,820	5.89
Class VI.....	1,195	1,164	54.0	21.6	19.5	20.1	328	147,474	7.46	2.27	7	0.5	6.5	5.2	6.6	1,349	896	5.12
Other farms.....	4,501	3,525	50.9	65.3	33.4	34.5	327	240,599	7.07	2.16	51	1.2	47.2	33.4	31.3	1,830	4,730	5.73
Area 8 and D.....	6,904	5,271	73.1	100.0	100.0	100.0	638	3,135,005	12.90	2.02	371	3.4	100.0	100.0	100.0	1,783	69,185	6.15
Commercial farms.....	3,045	2,824	78.4	53.6	90.4	87.1	662	2,837,949	13.41	2.33	313	3.8	83.2	89.0	90.4	1,755	62,103	6.10
Class I.....	132	131	85.6	2.5	2.1	16.0	95	724,910	18.61	1.95	34	4.6	9.0	14.7	13.7	1,871	15,290	7.26
Class II.....	356	324	78.3	6.1	23.2	21.4	692	746,815	14.39	2.98	56	4.0	14.9	21.2	23.5	1,990	16,636	6.31
Class III.....	415	382	76.1	7.2	15.6	16.8	592	496,507	12.13	2.05	105	6.2	37.9	26.4	16.3	1,784	18,783	6.34
Class IV.....	572	528	75.1	10.0	12.5	13.7	584	392,464	11.79	2.02	90	6.2	13.2	10.8	16.4	1,165	6,917	3.74
Class V.....	834	775	76.5	14.7	10.7	13.1	521	333,460	10.48	2.01	62	1.4	16.5	5.7	5.0	2,014	4,192	7.41
Class VI.....	736	684	59.8	15.0	4.4	6.1	661	1,373,936	9.73	2.12	6	0.2	1.6	3.4	0.4	1,610	285	5.70
Other farms.....	3,859	2,447	50.1	46.4	9.6	12.9	474	237,056	9.46	1.99	63	1.7	16.8	11.0	9.6	2,045	7,082	6.59
Arizona, total.....	9,285	5,397	47.1	100.0	100.0	100.0	310	12,425,718	15.56	5.01	14	0.1	100.0	100.0	100.0	1,726	10,942	7.85
Commercial farms.....	6,216	3,074	52.0	90.5	98.6	98.1	312	12,266,614	15.65	5.02	13	(2)	22.9	66.6	48.4	1,726	3,875	5.75
Class I.....	2,114	1,666	60.9	49.0	91.9	90.3	316	11,221,719	15.97	5.06	3	(2)	21.4	18.5	16.1	2,054	2,500	11.16
Class II.....	1,273	668	27.0	19.7	4.7	5.1	283	520,885	12.76	4.51	5	0.2	35.7	20.1	17.9	2,000	1,000	4.60
Class III.....	909	364	20.4	10.7	1.4	1.7	249	148,251	10.97	4.20	5	0.3	35.7	6.0	4.3	1,000	375	1.88
Class IV.....	858	176	7.9	5.2	0.4	0.5	334	41,417	10.50	4.49	...	...	...	...	...	...	...	...
Class V.....	761	175	12.4	5.2	0.3	0.4	214	3,372	9.31	4.35	...	...	...	...	...	...	...	...
Class VI.....	301	25	1.0	0.7	(2)	(2)	128	1,970	7.43	5.79	...	...	...	...	...	...	...	...
Other farms.....	3,069	323	8.1	9.5	1.4	1.9	230	159,104	10.53	4.58	1	0.4	7.1	53.4	51.6	1,847	7,067	9.82
Area 1.....	1,898	216	3.7	100.0	100.0	100.0	199	70,213	8.23	4.13	...	...	...	...	...	...	...	...
Commercial farms.....	1,009	154	5.4	71.3	93.2	94.1	197	64,928	8.08	4.10	...	...	...	...	...	...	...	...
Class I.....	174	34	9.7	15.7	49.2	55.4	177	35,038	7.42	4.19	...	...	...	...	...	...	...	...
Class II.....	168	19	5.6	8.8	20.7	12.9	319	11,488	10.42	3.26	...	...	...	...	...	...	...	...
Class III.....	211	48	4.0	22.2	16.9	14.6	232	13,852	11.14	4.81	...	...	...	...	...	...	...	...
Class IV.....	182	21	3.1	4.7	2.7	8.7	62	2,045	2.77	4.45	...	...	...	...	...	...	...	...
Class V.....	180	27	1.8	12.5	3.5	2.3	300	2,425	12.12	4.04	...	...	...	...	...	...	...	...
Class VI.....	94	5	0.2	2.3	0.1	0.3	80	80	3.20	4.00	...	...	...	...	...	...	...	...
Other farms.....	889	62	0.6	28.7	6.8	5.9	232	5,285	10.57	4.36	...	...	...	...	...	...	...	...
Area A.....	3,491	1,611	61.1	100.0	100.0	100.0	315	5,666,221	15.81	5.02	5	(2)	100.0	100.0	100.0	1,000	375	1.88
Commercial farms.....	2,385	1,429	62.2	88.7	99.2	99.4	314	5,569,904	15.80	5.03	5	(2)	100.0	100.0	100.0	1,000	375	1.88
Class I.....	934	754	66.9	46.8	92.6	91.3	316	5,244,191	16.03	5.08	...	...	...	...	...	...	...	...
Class II.....	519	318	30.4	19.7	4.3	4.5	302	211,758	13.32	4.41	...	...	...	...	...	...	...	...
Class III.....	290	160	47.3	9.9	1.5	1.7	291	74,865	12.74	4.37	5	1.6	100.0	100.0	100.0	1,000	375	1.88
Class IV.....	315	102	23.6	6.3	0.5	0.6	295	24,160	12.30	4.17	...	...	...	...	...	...	...	...
Class V.....	267	85	33.0	5.3	0.3	0.4	194	13,495	8.85	4.56	...	...	...	...	...	...	...	...
Class VI.....	60	10	24.1	0.6	(2)	0.1	62	1,435	7.36	11.96	...	...	...	...	...	...	...	...
Other farms.....	1,106	182	15.1	11.3	6.8	6.6	435	36,317	18.04	4.15	...	...	...	...	...	...	...	...
Area 2a.....	1,615	1,024	54.5	100.0	100.0	100.0	324	5,813,314	16.28	5.03	3	(2)	100.0	100.0	100.0	2,054	2,500	11.16
Commercial farms.....	1,245	1,006	60.5	97.8	98.2	96.9	328	5,712,119	16.51	5.02	3	(2)	100.0	100.0	100.0	2,054	2,500	11.16
Class I.....	625	668	63.0	64.9	92.7	90.7	331	5,430,689	16.76	5.07	3	(2)	100.0	100.0	100.0	2,054	2,500	11.16
Class II.....	292	168	44.3	18.5	4.2	4.5	299	219,653	13.64	4.57	...	...	...	...	...	...	...	...
Class III.....	125	97	35.8	3.4	1.0	1.2	261	4,485	10.25	3.92	...	...	...	...	...	...	...	...
Class IV.....	89	20	8.1	1.9	0.1	0.1	427	5,700	16.76	3.75	...	...	...	...	...	...	...	...
Class V.....	63	26	27.2	2.5	3.2	0.3	243	11,242	10.69	4.39	...	...	...	...	...	...	...	...
Class VI.....	51	5	3.2	0.5	(2)	(2)	640	350	14.00	2.19	...	...	...	...	...	...	...	...
Other farms.....	370	23	12.5	2.2	1.8	3.1	186	101,195	9.00	4.83	...	...	...	...	...	...	...	...
Area 2b.....	2,281	541	34.2	100.0	100.0	100.0	242	935,970	11.92	4.92	6	0.4	100.0	100.0	100.0	1,887	8,067	8.32
Commercial farms.....	1,577	485	35.3	89.6	98.0	98.3	242	919,663	11.91	4.93	5	0.1	83.3	27.3	25.8	2,000	1,000	4.00
Class I.....	314	210	49.1	38.8	87.0	83.8	252	811,801	12.34	4.90	...	...	...	...	...	...	...	...
Class II.....	361	141	18.0	26.1	8.3	9.8	204	77,986	10.08	4.94	5	0.6	83.3	27.3	25.8	2,000	1,000	4.00
Class III.....	283	59	19.3	10.9	1.2	2.6	113	15,049	7.34	6.49	...	...	...	...	...	...	...	...
Class IV.....	272	33	6.5	6.1	0.8	1.1	160	9,512	10.55	6.61	...	...	...	...	...	...	...	...
Class V.....	251	37	8.1	6.8	0.7	0.9	189	5,210	7.44	3.95	...	...	...	...	...	...	...	...
Class VI.....	96	5	0.2	0.9	(2)	(2)	200	105	5.25	2.62	...	...	...	...	...	...	...	...
Other farms.....	704	56	12.3	10.4	2.0	1.7	287	16,307	12.06	4.20	1	6.6	16.7	72.7	74.2	1,847	7,067	9.82
Arkansas, total.....	145,292	86,810	31.8	100.0	100.0	100.0	236	22,024,313	7.51	3.18	3,733	0.8	100.0	100.0	100.0	2,973	471,705	6.02
Commercial farms.....	88,750	67,174	35.6	77.4	92.9	93.6	235	20,790,428	7.57	3.23	2,878	0.9	77.1	88.1	87.7	2,986	419,415	6.10
Class I.....	3,3																	

USE OF FERTILIZER AND LIME

Table 4.—USE AND EXPENDITURES FOR FERTILIZER AND LIME BY ECONOMIC CLASS OF FARM, BY ECONOMIC AREAS:
CENSUS OF 1954—Continued

State, economic area, and economic class of farm	Total number of farms	Fertilizer							Lime									
		Farms reporting use of fertilizer	Acres fertilized as a percent of total cropland plus improved pasture	Percent distribution of—			Quantity used per acre fertilized (lb.)	Expenditures (dollars)			Farms reporting use of lime	Acres limed as a percent of total cropland plus improved pasture	Percent distribution of—			Expenditures (dollars)		
				Farms reporting fertilizer	Fertilizer used	Acres fertilized		For fertilizer	Per acre fertilized	Per cent. of fertilizer used			Farms reporting lime	Lime used	Acres limed	For lime	Per acre limed	
Arkansas—Continued																		
Area 1b.....	16,456	6,916	12.1	100.0	100.0	100.0	261	684,004	6.39	2.45	651	0.7	100.0	100.0	100.0	3,432	45,505	7.30
Commercial farms.....	7,590	4,308	14.4	62.3	79.0	78.7	262	548,702	6.52	2.48	521	0.9	80.0	84.5	86.7	3,346	39,095	7.23
Class I.....	130	62	13.4	0.9	2.7	2.7	265	19,250	6.78	2.56	21	2.0	3.2	4.4	6.7	2,273	2,206	5.29
Class II.....	353	139	15.9	2.0	6.1	6.4	249	48,294	7.01	2.82	33	1.2	5.1	11.1	8.0	4,728	6,787	13.57
Class III.....	385	234	20.1	3.4	10.3	8.3	324	78,084	8.74	2.70	33	0.9	5.1	6.3	6.1	3,583	2,444	6.45
Class IV.....	1,037	673	17.3	9.7	17.4	16.7	272	121,734	6.79	2.50	149	1.5	22.9	21.8	25.3	2,961	9,228	5.86
Class V.....	2,516	1,538	13.9	22.2	23.2	23.9	254	160,295	6.28	2.47	175	0.9	26.9	28.4	26.9	3,629	12,575	7.50
Class VI.....	3,169	1,662	11.7	24.0	19.2	20.6	244	121,045	5.48	2.25	110	0.5	16.9	12.5	13.7	3,112	5,855	6.84
Other farms.....	8,866	2,608	7.7	37.7	21.0	21.3	258	135,302	5.92	2.30	130	0.3	20.0	15.5	13.3	3,988	6,410	7.72
Area 2.....	11,330	5,220	18.7	100.0	100.0	100.0	262	836,326	7.10	2.71	462	1.2	100.0	100.0	100.0	3,150	42,559	5.56
Commercial farms.....	4,632	3,010	22.4	57.7	78.9	83.7	247	691,418	7.01	2.84	260	1.3	56.3	62.5	72.2	2,725	27,004	4.88
Class I.....	122	71	28.4	1.4	8.0	6.8	311	67,180	8.42	2.71	16	3.1	3.5	9.1	11.2	2,558	3,420	3.98
Class II.....	349	210	27.7	4.0	14.5	15.0	254	135,162	7.67	3.02	23	1.3	5.0	7.7	10.9	2,220	3,727	4.46
Class III.....	521	328	28.5	6.3	13.6	15.9	225	131,788	7.05	3.13	34	1.4	7.4	11.2	11.7	3,009	4,503	5.03
Class IV.....	581	457	26.1	8.8	14.2	15.1	247	123,365	6.91	2.81	53	1.3	11.5	11.7	11.9	3,117	6,199	6.83
Class V.....	1,374	971	17.9	18.6	16.1	17.1	246	134,103	6.65	2.70	78	1.3	16.9	15.2	19.4	2,456	5,935	3.98
Class VI.....	1,685	973	16.0	18.6	12.4	13.8	236	99,820	6.13	2.60	56	0.5	12.1	7.6	7.1	3,376	3,220	5.91
Other farms.....	6,698	2,210	10.2	42.3	21.1	16.3	340	144,908	7.55	2.22	202	1.1	43.7	37.5	27.8	4,255	15,555	7.31
Areas 3 and A.....	14,919	7,969	21.4	100.0	100.0	100.0	262	1,541,975	7.28	2.78	420	0.6	100.0	100.0	100.0	3,593	41,464	7.06
Commercial farms.....	7,395	5,482	24.5	68.8	87.6	88.1	261	1,370,490	7.35	2.81	329	0.7	78.3	86.5	84.4	3,683	35,409	7.15
Class I.....	99	79	34.1	1.0	8.6	9.7	233	153,252	7.45	3.19	13	0.5	3.1	3.7	4.8	2,680	1,687	5.98
Class II.....	372	286	30.3	3.6	13.3	13.6	258	204,984	7.13	2.77	27	0.6	6.4	19.2	9.1	7,167	4,788	8.98
Class III.....	842	625	25.5	7.8	16.1	15.9	266	243,167	7.24	2.72	61	0.1	14.5	20.3	24.4	2,996	8,317	5.82
Class IV.....	1,296	1,004	25.4	12.6	19.0	17.9	278	334,241	8.82	3.17	69	0.7	16.4	20.0	17.6	4,081	9,657	9.33
Class V.....	2,331	1,806	24.1	22.7	19.8	20.1	259	285,702	6.73	2.60	112	0.6	26.7	17.6	19.5	3,238	8,210	7.17
Class VI.....	2,455	1,682	15.7	21.1	10.9	11.0	259	149,144	6.40	2.47	47	0.4	11.2	5.6	9.0	2,245	2,750	5.19
Other farms.....	7,524	2,487	11.0	31.2	12.3	11.9	271	171,485	6.81	2.51	91	0.4	21.7	13.5	15.6	3,106	6,055	6.62
Area 4.....	10,149	3,630	12.5	100.0	100.0	100.0	244	346,916	6.18	2.54	359	1.5	100.0	100.0	100.0	2,283	31,373	4.61
Commercial farms.....	2,839	1,523	15.8	42.0	69.1	71.2	236	248,721	6.22	2.63	223	1.8	62.1	76.8	68.8	2,551	23,793	5.08
Class I.....	49	19	30.7	0.5	5.3	5.7	227	27,575	8.58	3.79	3	1.9	0.8	5.5	2.9	4,392	1,284	6.62
Class II.....	133	66	21.6	1.8	4.8	7.1	165	18,884	4.74	2.86	27	3.2	7.5	10.2	8.6	2,695	3,935	7.00
Class III.....	276	118	23.3	3.3	10.1	12.5	197	36,986	6.28	2.68	10	1.3	2.8	10.0	5.9	3,837	4,219	10.44
Class IV.....	391	230	14.6	6.3	13.8	12.6	267	47,652	5.71	2.52	74	3.1	20.6	26.1	22.2	2,679	6,210	4.11
Class V.....	703	419	14.8	11.5	18.7	17.9	255	62,438	6.22	2.44	44	1.7	12.3	11.0	17.2	1,453	4,215	3.59
Class VI.....	1,287	671	11.0	18.5	16.3	15.4	258	55,186	6.39	2.47	65	1.0	18.1	14.2	11.9	2,716	3,930	4.85
Other farms.....	7,310	2,107	8.3	58.0	30.9	28.8	262	98,195	6.08	2.32	136	1.1	37.9	23.2	31.2	1,694	7,580	3.57
Area 5.....	10,707	5,987	27.1	100.0	100.0	100.0	237	972,421	6.16	2.60	229	1.0	100.0	100.0	100.0	1,578	20,925	3.49
Commercial farms.....	4,332	3,129	31.5	52.3	79.3	80.7	233	787,476	6.18	2.65	129	1.1	56.3	79.8	76.6	1,645	15,885	3.46
Class I.....	72	46	41.2	0.8	10.4	10.1	244	115,253	7.26	2.97	3	0.7	1.3	6.3	4.4	2,664	1,340	5.06
Class II.....	205	182	32.4	3.0	10.6	11.1	227	99,617	5.69	2.51	15	0.6	6.6	10.8	5.2	3,303	2,302	7.42
Class III.....	405	328	34.1	5.5	13.9	14.6	225	148,960	6.44	2.87	23	4.0	10.0	19.4	45.7	670	3,885	1.43
Class IV.....	596	440	29.3	7.3	14.1	13.8	243	138,582	6.38	2.63	21	0.4	9.2	9.3	4.7	3,143	2,265	8.09
Class V.....	1,190	877	32.8	14.6	16.3	16.6	233	154,026	5.88	2.53	36	0.8	15.7	20.9	10.3	3,295	3,298	5.36
Class VI.....	1,864	1,256	25.5	21.0	14.1	14.5	230	131,038	5.71	2.48	31	0.4	13.5	13.0	6.4	3,230	2,795	7.32
Other farms.....	6,375	4,858	17.1	47.7	20.7	19.3	253	184,945	6.06	2.39	100	0.8	43.7	20.2	23.4	1,359	5,040	3.59
Area 6.....	13,525	8,382	32.3	100.0	100.0	100.0	270	1,407,117	7.64	2.83	211	1.0	100.0	100.0	100.0	2,532	34,049	6.10
Commercial farms.....	5,124	4,461	38.8	53.2	82.7	82.2	272	1,174,387	7.75	2.85	150	1.3	71.1	88.3	89.6	2,495	30,719	6.14
Class I.....	82	73	40.8	0.4	13.0	14.8	237	200,115	7.33	3.09	12	2.5	5.7	20.2	30.2	1,688	7,305	4.33
Class II.....	123	116	55.3	1.4	8.8	10.1	234	133,236	7.14	3.04	4	0.7	1.9	6.0	4.5	3,668	2,021	8.08
Class III.....	338	317	37.8	3.8	9.2	9.2	272	125,524	7.44	2.74	20	2.6	9.5	14.6	20.5	1,801	4,773	4.17
Class IV.....	901	815	41.0	9.7	18.0	16.0	364	260,196	8.83	2.90	43	1.0	20.4	16.7	13.0	3,255	5,706	7.86
Class V.....	1,912	1,718	40.0	20.5	23.1	21.7	288	320,605	8.03	2.78	61	1.0	28.9	27.0	18.3	3,735	10,130	9.93
Class VI.....	1,768	1,422	25.2	17.0	10.5	10.5	273	134,711	6.99	2.57	10	0.2	4.7	4.0	3.1	3,200	790	4.51
Other farms.....	8,401	3,921	18.1	46.8	17.3	17.8	263	232,730	7.11	2.70	61	0.3	28.9	11.7	10.4	2,845	3,330	5.74
Area 7a.....	22,474	16,894	35.9	100.0	100.0	100.0	229	5,112,649	7.44	3.25	604	0.9	100.0	100.0	100.0	3,103	90,087	5.48
Commercial farms.....	19,155	15,978	36.8	94.6	98.7	98.8	229	5,048,084	7.44	3.25	564	0.9	93.4	95.2	95.6	3,089	86,982	5.53
Class I.....	795	612	34.0	3.6	21.9	24.9	202	1,221,400	7.14	3.54	46	1.0	7.6	27.0	30.7	2,727	23,747	4.70
Class II.....	1,766	1,443	35.9	8.5	19.1	19.3	226	1,015,047	7.65	3.38	111	1.0	18.4	20.8	23.3	2,777	18,670	4.88
Class III.....	3,732	3,411	38.6	20.2	22.3	21.1	242	1,094,727	7.54	3.11	115	0.9	19.0	27.6	21.6	3,961	22,420	6.32
Class IV.....	5,814	5,150	42.1	30.5	22.5	21.2	244	1,089,190	7.48	3.07	135	0.5	22.4	11.6	10.7	3,375	12,510	7.11

USE OF FERTILIZER AND LIME

Table 4.—USE AND EXPENDITURES FOR FERTILIZER AND LIME BY ECONOMIC CLASS OF FARM, BY ECONOMIC AREAS:
CENSUS OF 1954—Continued

State, economic area, and economic class of farm	Total number of farms	Fertilizer							Lime									
		Farms reporting use of fertilizer	Acres fertilized as a percent of total cropland plus improved pasture	Percent distribution of—			Quantity used per acre fertilized (lb.)	Expenditures (dollars)			Farms reporting use of lime	Acres limed as a percent of total cropland plus improved pasture	Percent distribution of—			Expenditures (dollars)		
				Farms reporting fertilizer used	Fertilizer used	Acres fertilized		For fertilizer	Per acre fertilized	Per cent. of fertilizer used			Farms reporting lime used	Lime used	Acres limed	For lime	Per acre limed	
Arkansas—Continued																		
Area 8b.....	10,017	7,625	46.3	100.0	100.0	100.0	246	2,545,505	8.20	3.33	121	0.8	100.0	100.0	100.0	2,502	27,983	4.97
Commercial farms.....	8,028	7,624	47.7	92.1	96.7	95.7	249	2,474,530	8.33	3.35	116	0.9	99.4	99.4	99.4	2,501	27,553	4.97
Class I.....	341	339	41.8	3.9	29.0	32.7	218	739,932	7.29	3.34	29	1.2	24.1	62.4	53.8	2,899	15,108	5.06
Class II.....	435	432	48.3	6.2	19.4	17.9	266	485,745	8.74	3.28	25	0.9	20.7	11.7	18.8	1,567	2,935	2.82
Class III.....	638	635	55.8	11.9	14.1	15.3	260	436,288	9.18	3.53	26	1.0	21.5	15.9	15.8	2,514	6,175	7.06
Class IV.....	1,799	1,687	55.7	22.1	14.5	13.7	260	380,785	8.94	3.43	26	0.6	21.5	7.7	8.6	2,253	2,560	5.39
Class V.....	2,985	2,580	53.9	33.8	14.1	12.8	271	346,795	8.71	3.22	10	0.2	8.3	2.2	3.0	1,818	775	4.70
Class VI.....	1,468	1,040	33.5	14.2	3.5	3.2	275	84,935	8.62	3.14	...	...	...	...	...	...	...	...
Other farms.....	1,989	601	28.5	7.9	3.3	4.3	190	70,975	5.28	2.78	5	(2)	4.1	0.1	0.1	4,000	30	6.00
California, total.....	123,002	47,040	27.8	100.0	100.0	100.0	421	63,005,370	16.26	3.87	1,910	0.5	100.3	100.0	100.0	3,824	904,261	11.42
Commercial farms.....	89,426	40,956	28.5	87.1	98.9	98.8	421	62,364,157	16.29	3.87	1,770	0.5	92.7	99.3	98.8	3,842	796,647	11.45
Class I.....	18,234	11,424	34.9	24.3	79.1	78.4	424	50,244,676	16.53	3.90	647	0.6	33.9	80.7	74.0	4,171	595,969	11.45
Class II.....	20,215	10,461	19.3	22.2	11.2	11.7	404	6,842,949	15.08	3.73	510	0.4	26.7	11.4	14.3	3,034	112,899	11.20
Class III.....	18,832	8,293	16.2	17.6	4.9	5.0	412	3,014,514	15.59	3.78	310	0.4	16.2	4.8	6.7	2,740	58,858	12.44
Class IV.....	15,717	5,885	14.1	12.5	2.3	2.4	413	1,473,108	16.04	3.89	153	0.2	8.0	1.6	2.1	2,850	15,351	10.26
Class V.....	1,945	3,942	10.0	8.4	1.1	1.1	416	643,086	15.13	3.64	100	0.2	5.2	0.5	1.1	1,921	9,130	12.01
Class VI.....	3,493	746	10.7	2.0	0.2	0.2	416	145,824	16.11	3.87	50	0.5	2.6	0.3	0.6	1,886	4,440	10.09
Other farms.....	33,576	6,084	8.6	12.9	1.1	1.2	387	641,213	14.29	3.69	140	0.2	7.3	0.7	1.2	2,293	7,614	9.23
Area 1.....	4,504	782	9.9	100.0	100.0	100.0	355	313,136	11.13	3.13	120	0.6	100.0	100.0	100.0	2,039	24,942	14.55
Commercial farms.....	2,521	780	10.0	79.4	95.1	91.4	370	294,715	11.46	3.10	93	0.6	77.5	93.0	91.9	2,061	23,629	14.99
Class I.....	273	143	12.9	14.6	36.5	35.6	364	113,774	11.35	3.12	23	0.8	14.2	37.6	34.0	2,250	8,055	13.82
Class II.....	427	272	12.9	17.7	35.3	31.5	398	105,586	11.30	2.99	55	1.2	45.8	45.7	52.7	1,767	12,469	14.34
Class III.....	508	160	6.6	16.7	11.7	11.5	360	38,073	11.73	3.26	...	...	...	...	...	...	...	...
Class IV.....	458	99	6.2	10.1	7.2	7.4	342	23,952	11.45	3.35	10	0.1	8.3	3.4	2.3	3,000	700	17.50
Class V.....	520	91	6.9	4.3	3.0	4.9	289	11,350	8.29	2.87	...	...	...	...	...	...	...	...
Class VI.....	135	15	4.1	1.5	0.5	0.4	433	1,980	16.50	3.81	5	1.7	4.2	6.3	2.9	4,400	1,925	38.50
Other farms.....	1,983	202	8.7	20.6	4.9	8.6	203	18,421	7.59	3.74	27	0.5	22.5	7.0	8.1	1,783	1,313	9.51
Area 2.....	7,401	1,175	11.0	100.0	100.0	100.0	338	386,310	10.86	3.21	48	0.3	100.0	100.0	100.0	1,952	9,374	10.24
Commercial farms.....	4,777	1,000	11.6	85.1	95.4	97.0	332	374,135	10.24	3.26	38	0.3	79.2	98.9	96.7	1,995	9,279	10.48
Class I.....	647	157	11.2	13.4	47.1	40.5	394	189,536	13.16	3.35	16	0.3	33.3	63.2	42.1	2,883	5,540	14.39
Class II.....	1,099	248	13.5	21.1	18.8	24.9	265	78,533	9.20	2.47	11	0.6	22.9	26.1	40.4	1,259	2,774	7.50
Class III.....	966	212	10.0	18.0	15.5	13.4	258	52,767	11.04	3.83	11	0.3	22.4	10.6	14.2	1,462	965	7.42
Class IV.....	1,026	212	12.6	18.0	9.9	13.0	258	37,165	8.02	3.11	...	...	...	...	...	...	...	...
Class V.....	902	160	10.9	13.6	3.8	5.6	228	15,345	7.67	3.37	...	...	...	...	...	...	...	...
Class VI.....	227	11	5.4	0.9	0.2	0.5	126	789	4.51	3.59	...	...	...	...	...	...	...	...
Other farms.....	2,624	175	4.1	14.9	4.6	3.0	522	12,175	11.43	2.19	10	0.1	20.8	1.1	3.3	667	95	3.17
Areas A and B.....	10,461	3,954	17.4	100.0	100.0	100.0	619	3,813,987	24.80	4.01	119	0.8	100.0	100.0	100.0	3,069	51,508	7.35
Commercial farms.....	7,565	3,467	17.9	87.7	94.0	98.5	622	3,770,935	24.82	4.00	109	0.8	91.6	99.5	99.6	3,067	51,108	7.33
Class I.....	1,667	994	25.5	25.1	76.2	70.2	772	2,876,118	26.63	3.96	46	1.2	32.7	85.7	83.1	3,165	39,302	6.86
Class II.....	1,680	987	15.3	25.0	13.0	16.2	496	543,633	21.84	4.41	36	0.5	30.3	9.5	12.7	2,292	8,135	9.14
Class III.....	1,436	651	13.6	16.5	6.0	7.6	485	214,318	18.26	3.76	5	0.1	4.2	0.9	1.4	2,000	1,235	13.00
Class IV.....	1,177	438	9.2	11.1	2.5	2.8	467	87,606	20.64	3.74	7	0.3	5.9	3.2	1.9	5,308	1,476	11.35
Class V.....	1,273	342	7.0	8.6	1.2	1.7	452	44,565	17.56	3.76	5	(2)	4.2	(2)	0.1	2,000	60	12.00
Class VI.....	332	55	1.4	1.4	0.1	0.1	787	4,995	33.30	4.23	10	(3)	8.4	0.2	0.5	1,143	300	8.57
Other farms.....	2,896	487	6.1	12.3	1.0	1.5	441	43,052	19.09	4.33	10	0.1	8.4	0.5	0.4	3,667	400	13.33
Area 3.....	5,872	1,776	17.0	100.0	100.0	100.0	944	6,129,436	33.05	3.50	74	0.2	100.0	100.0	100.0	2,365	19,237	7.66
Commercial farms.....	3,915	1,583	17.3	89.1	94.6	99.0	950	6,105,069	33.26	3.50	64	0.2	86.5	96.5	95.4	2,391	18,637	7.78
Class I.....	1,002	651	22.0	36.7	41.7	32.5	1,049	5,541,561	36.22	3.45	34	0.3	45.9	86.0	83.1	2,506	16,462	7.89
Class II.....	899	419	10.3	23.6	5.3	10.8	462	395,153	19.67	4.26	...	...	...	...	...	...	...	...
Class III.....	734	233	6.7	13.1	1.8	3.5	476	112,375	17.09	3.59	20	0.2	27.0	6.6	8.4	1,857	1,935	9.21
Class IV.....	592	149	6.5	8.4	0.6	1.6	361	38,810	13.36	3.70	5	0.2	6.8	1.7	3.6	1,111	200	2.22
Class V.....	503	96	2.8	5.4	0.2	0.4	532	14,995	19.63	3.69	5	(2)	6.8	0.2	0.4	1,000	40	4.00
Class VI.....	185	35	7.7	2.0	0.1	0.2	321	3,075	10.98	3.42	...	...	...	...	...	...	...	...
Other farms.....	1,957	193	6.2	10.9	0.4	1.0	342	24,367	13.12	3.83	10	0.4	13.5	3.5	4.6	1,826	600	5.22
Areas 4 and C.....	13,958	4,954	29.6	100.0	100.0	100.0	257	6,725,788	9.49	3.69	135	0.3	100.0	100.0	100.0	4,261	62,027	10.04
Commercial farms.....	9,607	4,493	30.2	90.7	99.5	99.5	258	6,697,103	9.50	3.69	135	0.3	100.0	100.0	100.0	4,261	62,027	10.04
Class I.....	2,046	1,498	35.1	30.2	79.1	80.8	252	5,368,232	9.38	3.72	54	0.3	40.0	91.1	80.0	4,855	53,145	10.76
Class II.....	1,985	1,090	21.0	22.0	12.1	10.6	292	787,020	10.45	3.58	39	0.2	28.9	5.5	12.4	1,895	5,556	7.26
Class III.....	1,992	913	20.0	13.4	5.2	5.1	267	330,874	9.24	3.46	12	0.1	8.9	0.7	1.5	1,881	771	8.12
Class IV.....	1,708	534	14.1	10.2	1.9	2.1	243	138,290	9.51	3.91	15	0.2	11.1	2.0	2.8	3,118	1,345	7.91
Class V.....	1,478	388	11.3	7.8	1.1	0.9	323	67,607	10.98	3.40	15	0.4	11.1</					

USE OF FERTILIZER AND LIME

Table 4.—USE AND EXPENDITURES FOR FERTILIZER AND LIME BY ECONOMIC CLASS OF FARM, BY ECONOMIC AREAS:
CENSUS OF 1954—Continued

State, economic area, and economic class of farm	Total number of farms	Fertilizer							Lime									
		Farms reporting use of fertilizer	Acres fertilized as a percent of total cropland plus improved pasture	Percent distribution of—			Quantity used per acre fertilized (lb.)	Expenditures (dollars)			Farms reporting use of lime	Acres limed as a percent of total cropland plus improved pasture	Percent distribution of—			Expenditures (dollars)		
				Farms reporting fertilizer	Fertilizer used	Acres fertilized		For fertilizer	Per acre fertilized	Per cent. of fertilizer used			Lime used	Acres limed	Quantity used per acre limed (lb.)	For lime	Per acre limed	
																		Farms reporting fertilizer	Fertilizer used	Acres fertilized	For fertilizer	Per acre fertilized	Per cent. of fertilizer used	Lime used	Acres limed	Quantity used per acre limed (lb.)	For lime	Per acre limed
California—Continued																		
Areas 7, F, G, and H...	28,024	12,679	25.3	100.0	100.0	100.0	658	9,345,629	26.45	4.02	247	0.2	100.0	100.0	100.0	2,262	42,495	14.60
Commercial farms.....	19,249	9,580	26.4	75.6	96.8	95.8	665	9,037,759	26.70	4.01	197	0.2	79.8	95.6	95.5	2,264	41,250	14.83
Class I.....	4,029	2,067	28.9	16.3	64.6	61.2	694	5,953,021	27.52	3.96	72	0.2	29.1	67.1	63.6	2,386	28,495	15.39
Class II.....	3,997	1,921	23.7	15.2	15.2	16.8	596	1,417,548	23.87	4.00	50	0.1	20.2	7.6	9.1	1,887	2,825	10.66
Class III.....	3,740	1,848	23.2	14.6	8.1	8.2	656	773,366	26.79	4.08	25	0.4	10.1	16.6	15.5	2,422	8,610	19.13
Class IV.....	3,511	1,835	25.9	14.5	5.1	5.0	681	547,435	31.25	4.59	25	0.1	10.1	3.3	3.4	2,200	820	8.20
Class V.....	3,094	1,498	17.9	11.8	3.1	3.7	551	280,789	21.49	3.90	10	(Z)	4.0	0.5	1.0	1,000	185	6.17
Class VI.....	878	411	19.8	3.2	0.6	1.0	439	65,600	19.29	4.39	15	0.5	6.1	0.6	2.9	471	315	3.71
Other farms.....	8,765	3,099	12.7	24.4	3.2	4.2	506	307,870	20.85	4.12	50	0.1	20.2	4.4	4.5	2,231	1,245	9.58
Area 8.....	6,523	3,189	58.9	100.0	100.0	100.0	458	10,516,161	19.63	4.29	48	0.1	100.0	100.0	100.0	2,228	11,822	10.19
Commercial farms.....	4,593	2,770	61.3	5.9	99.0	98.8	458	10,434,401	19.72	4.30	32	0.1	66.7	95.2	95.5	2,220	11,417	10.30
Class I.....	1,126	920	71.6	28.8	85.1	83.8	465	9,029,030	20.10	4.33	12	0.1	25.0	75.5	68.4	2,459	8,582	10.82
Class II.....	1,018	679	39.3	21.3	8.9	9.1	447	814,099	16.72	3.74	5	(Z)	10.4	1.9	2.2	2,000	275	11.00
Class III.....	838	479	31.0	15.0	3.0	3.5	395	388,907	20.77	5.25	10	0.4	20.8	17.4	21.1	1,837	2,510	10.24
Class IV.....	785	371	28.7	11.6	1.2	1.6	358	135,085	16.04	4.48	...	...	...	...	...	...	...	...
Class V.....	560	196	13.8	6.1	0.4	0.4	390	32,760	14.31	3.67	...	...	...	...	...	...	...	...
Class VI.....	266	125	36.0	3.9	0.4	0.4	475	34,520	17.89	3.77	5	0.8	10.4	0.4	3.9	222	50	1.11
Other farms.....	1,930	419	14.0	13.1	1.0	1.2	384	81,760	12.45	3.24	16	0.1	33.3	4.8	4.5	2,385	405	7.79
Area 9.....	7,780	1,853	8.8	100.0	100.0	100.0	234	853,870	8.15	3.48	43	0.1	100.0	100.0	100.0	3,698	24,425	19.11
Commercial farms.....	4,580	1,559	9.3	84.1	95.7	96.7	231	818,900	8.08	3.49	42	0.1	97.7	99.7	97.7	3,777	24,385	19.54
Class I.....	528	231	11.5	12.5	37.8	42.6	208	348,285	7.80	3.76	16	0.2	37.2	82.3	64.3	4,732	22,445	27.31
Class II.....	960	435	10.9	23.5	27.0	29.3	215	244,718	7.96	3.70	10	0.1	23.3	6.6	12.1	2,000	1,070	6.90
Class III.....	940	363	7.2	19.6	15.9	12.2	304	115,465	8.76	2.88	10	0.1	23.3	10.2	16.8	2,000	760	3.53
Class IV.....	1,014	326	7.0	17.6	10.8	8.7	293	82,182	9.05	3.09	1	(Z)	2.3	0.1	0.5	667	100	1.67
Class V.....	899	156	3.5	8.4	3.5	3.1	263	26,815	8.27	3.15	5	0.1	11.6	0.6	3.9	600	100	2.00
Class VI.....	233	48	4.8	2.6	0.6	0.8	170	4,335	4.97	2.93	...	...	...	...	...	...	...	...
Other farms.....	3,200	294	3.3	15.9	4.3	3.3	309	35,070	10.21	3.31	1	(Z)	2.3	0.3	2.3	400	40	1.33
Colorado, total.....	40,672	9,633	3.6	100.0	100.0	100.0	218	3,930,657	9.30	4.28	67	(Z)	100.0	100.0	100.0	1,598	5,680	5.68
Commercial farms.....	31,597	8,981	3.8	93.2	97.7	98.3	216	3,869,000	9.32	4.31	66	(Z)	98.5	99.4	99.5	1,596	5,655	5.68
Class I.....	2,665	1,456	7.5	15.1	33.9	30.4	243	1,300,126	10.44	4.18	25	(Z)	37.3	22.5	25.2	1,600	1,010	4.49
Class II.....	6,150	2,531	4.6	26.3	31.4	32.0	214	1,274,673	9.44	4.41	15	(Z)	22.4	40.1	33.5	1,910	1,845	5.51
Class III.....	8,049	2,543	3.3	36.4	19.4	21.6	196	795,064	8.72	4.46	...	...	...	...	...	...	...	...
Class IV.....	7,010	1,452	1.9	15.1	8.3	8.6	210	314,010	8.64	4.11	11	(Z)	16.4	2.4	11.0	345	145	1.32
Class V.....	5,295	716	1.5	7.4	3.2	3.8	185	128,111	7.97	4.31	15	(Z)	22.4	34.4	32.5	1,692	2,655	8.17
Class VI.....	2,428	283	1.7	2.9	1.5	2.0	167	57,116	6.91	4.14	...	...	...	...	...	...	...	...
Other farms.....	9,075	652	1.1	6.8	2.3	1.7	287	61,657	8.51	2.97	1	(Z)	1.5	0.6	0.5	2,000	25	5.00
Area 1.....	3,177	337	1.3	100.0	100.0	100.0	167	79,604	7.02	4.21	...	...	...	...	...	...	...	...
Commercial farms.....	2,543	301	1.3	89.3	97.7	96.1	169	77,745	7.14	4.21	...	...	...	...	...	...	...	...
Class I.....	240	34	0.9	10.1	14.9	19.0	131	11,511	5.36	4.08	...	...	...	...	...	...	...	...
Class II.....	463	51	1.0	15.1	23.4	21.5	181	21,274	8.71	4.81	...	...	...	...	...	...	...	...
Class III.....	671	115	2.0	34.1	34.4	34.6	166	26,511	6.75	4.08	...	...	...	...	...	...	...	...
Class IV.....	543	65	1.7	19.3	18.4	17.0	181	15,084	6.80	3.76	...	...	...	...	...	...	...	...
Class V.....	454	6	0.7	8.9	5.4	3.5	258	4,509	11.42	4.42	...	...	...	...	...	...	...	...
Class VI.....	172	6	0.3	1.8	1.2	0.5	367	856	14.27	3.89	...	...	...	...	...	...	...	...
Other farms.....	634	36	1.7	10.7	2.3	3.9	100	1,859	4.24	4.22	...	...	...	...	...	...	...	...
Area 2a.....	7,291	2,376	8.8	100.0	100.0	100.0	249	620,305	10.02	4.03	...	...	...	...	...	...	...	...
Commercial farms.....	5,015	1,975	9.2	83.1	91.6	95.0	240	587,550	9.99	4.16	...	...	...	...	...	...	...	...
Class I.....	186	120	11.4	5.1	15.4	14.8	259	100,206	10.95	4.22	...	...	...	...	...	...	...	...
Class II.....	794	423	9.8	17.8	28.1	29.6	236	192,559	10.49	4.44	...	...	...	...	...	...	...	...
Class III.....	1,256	567	9.0	23.9	24.2	24.8	243	147,925	9.64	3.97	...	...	...	...	...	...	...	...
Class IV.....	1,271	480	8.9	20.2	15.0	16.1	232	91,238	9.15	3.94	...	...	...	...	...	...	...	...
Class V.....	1,003	269	6.2	11.3	6.2	6.3	243	40,122	10.21	4.20	...	...	...	...	...	...	...	...
Class VI.....	505	116	7.7	4.9	2.7	3.3	202	15,500	7.60	3.76	...	...	...	...	...	...	...	...
Other farms.....	2,276	401	5.0	16.9	8.4	5.0	415	32,755	10.53	2.54	...	...	...	...	...	...	...	...
Area 2b.....	2,567	538	6.3	100.0	100.0	100.0	276	410,597	11.26	4.08	21	0.1	100.0	100.0	100.0	1,766	4,385	6.75
Commercial farms.....	1,914	528	6.5	98.1	100.0	99.8	276	410,307	11.27	4.08	21	0.1	100.0	100.0	100.0	1,766	4,385	6.75
Class I.....	250	154	10.2	28.6	58.3	55.5	290	244,774	12.08	4.17	10	0.2	47.6	54.9	50.0	1,938	1,830	5.63
Class II.....	423	198	6.8	36.8	26.2	26.3	275	106,861	11.12	4.05	...	...	...	...	...	...	...	...
Class III.....	452	113	4.0	21.0	11.6	11.9	268	43,117	9.91	3.70	...	...	...	...	...	...	...	...
Class IV.....	319	43	3.0	8.0	3.1	4.9	174	12,975	7.30	4.19	1	(Z)	4.8	0.7	3.1	400	20	1.00
Class V.....	294	15	1.2	2.8	0.8	1.1	197	2,555	6.47	3.28	10	0.9	47.6	44.4	46.9	1,672	2,535	8.31
Class VI.....	176	5	0.1	0.9	(Z)	0.1	100	25	1.25	1.25	...	...	...	...	...	...	...	...
Other farms.....	653	10	0.3	1.9	(Z)	0.2	62	290	4.46	7.25	...	...	...	...	...	...	...	...
Area 3.....	9,669	4,271	9.4	100.0	100.0	100.0	208	2,080,931	9.30	4.46	5	(Z)	100.0	100.0	100.0	4,000	50	10.00
Commercial farms.....	8,406	4,199	9.6	98.3	99.1	99												

USE OF FERTILIZER AND LIME

Table 4—USE AND EXPENDITURES FOR FERTILIZER AND LIME BY ECONOMIC CLASS OF FARM, BY ECONOMIC AREAS: CENSUS OF 1954—Continued

State, economic area, and economic class of farm	Total number of farms	Fertilizer								Lime								
		Farms reporting use of fertilizer	Acres fertilized as a percent of total cropland plus improved pasture	Percent distribution of—			Quantity used per acre fertilized (lb.)	Expenditures (dollars)			Farms reporting use of lime	Acres limed as a percent of total cropland plus improved pasture	Percent distribution of—			Expenditures (dollars)		
				Farms reporting fertilizer	Acres fertilized	Fertilizer used		For fertilizer	Per acre fertilized	Per cent. of fertilizer used			Farms reporting lime	Lime used	Acres limed	Quantity used per acre limed (lb.)	For lime	Per acre limed
Colorado—Continued																		
Area 5.....	7,092	951	1.8	100.0	100.0	100.0	267	394,694	11.24	4.20	...	...	...	...	...	...	...
Commercial farms.....	4,884	870	2.0	91.5	97.6	98.5	265	386,879	11.19	4.22	...	...	...	...	...	...	...
Class I.....	284	88	4.5	9.3	30.3	30.0	270	118,844	11.27	4.18	...	...	...	...	...	...	...
Class II.....	754	228	2.9	24.0	31.2	26.9	310	117,933	12.51	4.03	...	...	...	...	...	...	...
Class III.....	1,007	238	2.3	25.0	20.8	25.0	222	90,197	10.28	4.62	...	...	...	...	...	...	...
Class IV.....	1,292	191	0.8	20.1	8.9	9.8	242	32,620	9.46	3.90	...	...	...	...	...	...	...
Class V.....	980	89	0.7	9.4	4.6	4.6	264	20,455	12.55	4.76	...	...	...	...	...	...	...
Class VI.....	527	36	0.6	3.8	1.9	2.1	340	6,825	9.10	3.79	...	...	...	...	...	...	...
Other farms.....	2,248	81	0.2	8.5	2.4	1.5	419	7,815	14.61	3.44	...	...	...	...	...	...	...
Connecticut, total.....	12,754	6,004	31.9	100.0	100.0	100.0	884	4,287,141	28.34	3.21	2,956	8.3	100.0	100.0	100.0	2,173	330,249	8.39
Commercial farms.....	7,761	4,545	35.7	75.6	96.8	95.3	897	4,169,205	28.92	3.22	2,406	8.9	81.4	91.0	91.2	2,168	302,613	8.42
Class I.....	1,067	696	53.0	11.0	51.0	36.0	1,253	2,216,361	40.76	3.25	463	11.9	15.7	29.5	31.0	2,466	100,835	8.26
Class II.....	2,285	1,499	36.5	24.9	27.0	35.7	670	1,126,946	20.90	3.12	914	9.6	30.9	36.8	36.2	2,307	117,268	8.22
Class III.....	1,749	1,073	26.6	17.9	11.1	14.4	683	503,376	23.18	3.40	512	7.1	17.3	13.5	14.7	1,991	45,283	7.81
Class IV.....	1,346	711	22.3	11.8	4.6	5.6	730	193,702	22.88	3.13	291	5.1	9.8	5.7	4.9	2,524	20,322	10.55
Class V.....	953	431	18.4	7.2	2.6	3.0	750	109,155	23.83	3.18	186	6.1	6.3	4.9	3.9	2,739	16,385	10.71
Class VI.....	361	135	13.2	2.2	0.5	0.7	587	19,665	18.11	3.10	40	2.4	1.4	0.7	0.5	3,026	2,520	12.92
Other farms.....	4,993	1,464	10.0	24.4	3.2	4.7	607	117,936	16.60	2.73	550	4.9	18.6	9.0	8.8	2,226	27,636	7.98
Area 1 and A.....	2,722	1,250	28.5	100.0	100.0	100.0	438	460,461	11.85	2.71	730	7.4	100.0	100.0	100.0	2,355	78,435	7.73
Commercial farms.....	1,545	1,010	32.7	80.8	96.3	96.4	437	444,356	11.86	2.71	590	7.3	80.8	83.5	82.3	2,388	64,575	7.73
Class I.....	159	128	46.8	10.2	30.0	26.9	488	125,585	12.02	2.46	102	10.6	14.0	24.5	23.4	2,473	18,550	7.83
Class II.....	549	404	34.7	32.3	25.6	46.0	434	214,293	12.01	2.77	256	8.1	35.1	40.7	41.3	2,317	29,645	7.07
Class III.....	358	207	24.3	16.6	11.1	14.8	329	59,471	10.38	3.16	101	4.1	13.8	8.3	9.5	2,052	7,613	7.89
Class IV.....	236	126	16.3	10.1	3.9	3.4	566	16,557	12.58	2.49	61	4.8	8.4	5.3	3.8	3,292	4,422	11.43
Class V.....	100	100	22.2	8.1	4.0	3.5	500	19,185	13.95	2.79	55	4.8	7.5	2.6	3.0	2,100	2,255	7.52
Class VI.....	76	45	26.7	3.6	1.7	1.9	397	9,265	12.61	3.17	15	4.9	2.1	2.0	1.3	3,556	2,090	15.48
Other farms.....	1,177	240	6.3	19.2	3.7	3.6	451	16,105	11.63	4.58	140	8.2	19.2	16.5	17.7	2,201	13,860	7.72
Area 8 and C.....	4,259	2,614	44.0	100.0	100.0	100.0	1,319	3,015,471	49.55	3.45	1,167	11.3	100.0	100.0	100.0	1,804	126,185	7.39
Commercial farms.....	2,803	2,023	46.9	77.4	98.0	96.5	1,339	2,962,216	46.39	3.46	981	12.0	84.1	94.4	95.5	1,783	120,555	7.39
Class I.....	443	358	62.2	13.7	60.1	45.1	1,757	1,777,826	59.54	3.39	216	13.4	18.5	36.8	37.7	1,758	46,820	7.26
Class II.....	730	606	43.7	23.0	20.7	28.7	948	633,480	33.31	3.51	325	12.8	27.8	32.2	32.7	1,776	42,200	7.56
Class III.....	610	470	39.8	18.0	10.7	14.0	1,010	346,405	37.56	3.72	235	13.9	20.1	18.1	18.9	1,724	21,835	6.76
Class IV.....	495	350	34.8	13.4	4.1	5.9	915	128,685	32.83	3.59	135	5.6	11.6	4.3	3.7	2,112	6,085	9.74
Class V.....	380	170	19.4	6.5	2.1	2.3	1,244	67,100	44.58	3.58	55	5.1	4.7	2.9	2.3	2,253	3,395	8.59
Class VI.....	145	75	13.5	2.9	0.3	0.5	761	8,220	46.52	3.48	15	1.5	1.3	0.2	0.2	1,714	220	6.29
Other farms.....	1,456	591	16.2	22.6	2.0	3.5	761	53,255	22.69	2.98	186	5.3	15.9	5.6	4.5	2,248	5,630	7.36
Area 2.....	5,773	2,145	24.6	100.0	100.0	100.0	635	811,209	17.55	2.76	1,059	6.5	100.0	100.0	100.0	2,541	125,629	10.33
Commercial farms.....	3,413	1,512	28.0	70.5	93.5	92.7	641	762,633	17.80	2.78	835	7.4	78.8	93.4	92.6	2,563	117,483	10.43
Class I.....	465	210	43.6	9.8	36.0	30.4	752	312,950	22.24	2.96	145	10.5	13.7	26.0	27.9	4,366	35,465	10.45
Class II.....	1,006	495	32.2	23.1	35.2	36.9	606	379,173	16.37	2.70	333	8.5	31.4	38.3	36.9	2,639	45,423	10.13
Class III.....	781	396	19.3	18.5	12.3	14.6	536	97,000	14.37	2.68	176	4.6	16.6	12.4	13.2	2,492	15,835	9.87
Class IV.....	615	235	17.4	11.0	6.6	7.0	598	48,460	15.00	2.51	95	4.9	9.0	7.3	7.5	2,481	9,815	10.73
Class V.....	466	161	15.5	7.5	3.0	3.7	514	22,870	13.45	2.62	76	7.6	7.2	8.6	6.9	3,198	10,735	12.86
Class VI.....	140	15	1.1	0.7	0.4	0.1	3,029	2,180	62.29	2.66	10	0.8	0.9	0.2	0.2	3,000	210	8.40
Other farms.....	2,360	633	9.7	29.5	6.5	7.3	565	48,576	14.41	2.55	224	2.6	21.2	6.6	7.4	2,259	8,146	9.02
Delaware, total (Areas 1 and A).....	6,291	4,884	61.2	100.0	100.0	100.0	475	3,907,116	12.36	2.60	1,505	9.4	100.0	100.0	100.0	1,595	309,107	6.34
Commercial farms.....	5,005	4,063	62.0	83.2	97.1	96.3	479	3,788,406	12.45	2.60	1,345	9.6	89.4	96.9	96.3	1,605	298,547	6.36
Class I.....	676	504	69.5	10.3	38.4	27.4	666	1,469,744	16.97	2.55	197	12.1	13.1	30.2	31.0	1,598	88,560	5.87
Class II.....	1,289	979	63.3	20.0	24.5	28.1	415	981,067	11.06	2.67	378	8.4	25.1	23.0	24.1	1,518	72,737	6.18
Class III.....	1,050	895	58.8	18.3	19.1	20.5	443	733,895	11.34	2.56	325	10.4	21.6	26.4	23.5	1,790	81,660	7.12
Class IV.....	910	805	58.7	16.5	9.2	12.3	356	371,325	9.56	2.69	250	8.3	16.6	11.3	11.3	1,595	34,625	6.27
Class V.....	740	615	52.6	12.6	4.6	6.3	349	183,670	9.25	2.65	155	6.2	10.3	4.8	4.8	1,601	17,360	7.37
Class VI.....	340	265	46.4	5.4	1.3	1.7	346	48,705	8.88	2.57	40	6.2	2.7	1.1	1.5	1,143	3,605	4.90
Other farms.....	1,286	821	45.4	16.8	2.9	3.7	371	118,710	10.07	2.72	160	6.9	10.6	3.1	3.7	1,352	10,560	5.85
Florida, total.....	57,490	43,516	51.2	100.0	100.0	100.0	912	51,854,514	22.36	2.45	7,486	10.2	100.0	100.0	100.0	1,578	2,882,839	6.25
Commercial farms.....	32,188	28,429	53.9	65.3	95.2	92.6	938	49,549,535	23.09	2.46	6,095	10.8	81.4	94.4	93.1	1,598	2,717,065	6.30
Class I.....	3,192	2,745	62.8	6.3	55.9	43.9	1,163	29,696,813	29.21	2.51	1,188	16.0	15.9	59.4	56.3	1,664	1,675,805	6.45
Class II.....	4,189	3,795	54.0	8.7	14.5	13.4	986	7,642,937	24.64	2.50	1,279	10.8	17.1	14.6	13.5	1,705	419,645	6.75
Class III.....	5,743	5,144	46.8	11.8	10.1	13.0	709	5,086,632	16.83	2.38	1,280	7.9	17.1	9.8	11.0	1,404	289,507	5.70
Class IV.....	7,605	6,907	46.2	15.9	8.2	11.4	652	4,023,499	15.19	2.33	1,243	5.2	16.6	6.2	6.5	1,511	188,165	6.28

USE OF FERTILIZER AND LIME

Table 4.—USE AND EXPENDITURES FOR FERTILIZER AND LIME BY ECONOMIC CLASS OF FARM, BY ECONOMIC AREAS.
CENSUS OF 1954—Continued

State, economic area, and economic class of farm	Total number of farms	Fertilizer							Lime									
		Farms reporting use of fertilizer	Acres fertilized as a percent of total cropland plus improved pasture	Percent distribution of—			Quantity used per acre fertilized (lb.)	Expenditures (dollars)			Farms reporting use of lime	Acres limed as a percent of total cropland plus improved pasture	Percent distribution of—			Expenditures (dollars)		
				Farms reporting fertilizer	Fertilizer used	Acres fertilized		For fertilizer	Per acre fertilized	Per cent. of fertilizer used			Lime used	Acres limed	Quantity used per acre limed (lb.)	For lime	Per acre limed	
Florida—Continued																		
Area 3.....	15,128	11,927	41.3	100.0	100.0	100.0	448	5,987,089	10.61	2.37	816	2.5	100.0	100.0	100.0	1,380	135,464	4.51
Commercial farms.....	9,186	8,534	43.4	71.6	93.6	92.2	454	5,655,994	10.87	2.39	688	2.6	84.3	86.4	88.9	1,341	133,261	4.35
Class I.....	246	210	52.5	1.8	23.8	17.3	616	1,767,670	18.10	2.94	60	5.1	7.4	27.7	27.6	1,384	43,096	4.52
Class II.....	1,597	1,597	41.3	4.9	15.6	14.1	497	939,998	11.85	2.39	119	3.2	14.6	16.2	18.0	1,241	24,087	3.88
Class III.....	1,597	1,505	41.5	12.6	20.0	20.6	434	1,129,813	9.71	2.24	193	2.5	23.7	21.2	20.1	1,458	33,261	4.81
Class IV.....	2,360	2,283	39.5	19.1	17.0	19.0	400	926,500	8.66	2.16	144	1.2	17.6	9.7	9.7	1,384	16,118	4.83
Class V.....	2,755	2,591	45.1	21.7	12.5	15.0	373	661,326	7.80	2.09	124	1.7	15.2	6.9	9.1	1,054	12,313	3.94
Class VI.....	1,635	1,366	42.4	11.5	4.7	6.2	336	230,687	6.56	1.95	48	1.8	5.9	4.6	4.4	1,438	4,386	2.87
Other farms.....	5,942	3,393	26.3	28.4	6.4	7.8	370	331,095	7.54	2.04	128	2.3	15.7	13.6	11.1	1,693	22,203	5.81
Area 4.....	3,708	2,923	62.2	100.0	100.0	100.0	957	4,341,046	23.87	2.49	610	15.6	100.0	100.0	100.0	1,410	271,128	5.95
Commercial farms.....	2,099	1,873	63.5	64.1	95.9	93.3	984	4,160,542	24.52	2.49	483	15.4	79.2	90.4	90.1	1,415	243,455	5.93
Class I.....	191	171	59.8	5.9	55.8	56.0	954	2,428,917	23.86	2.50	70	15.0	11.5	60.6	55.9	1,528	154,036	6.04
Class II.....	349	349	74.9	11.5	17.8	17.0	999	762,295	24.60	2.46	98	11.8	16.1	14.6	10.7	1,914	39,213	8.02
Class III.....	374	349	63.2	11.9	10.2	9.5	1,036	443,999	25.83	2.49	107	25.6	17.5	8.8	15.3	815	29,232	4.19
Class IV.....	484	436	79.2	14.9	6.9	6.4	1,022	291,140	24.93	2.44	89	16.7	14.6	3.5	5.4	927	11,750	4.78
Class V.....	557	475	61.8	16.3	4.7	3.8	1,169	208,437	29.83	2.55	109	10.6	17.9	2.7	2.6	1,458	8,699	7.23
Class VI.....	144	107	43.0	3.7	0.6	0.6	885	25,754	23.78	2.69	10	2.0	1.6	0.1	0.1	1,400	525	10.50
Other farms.....	1,609	1,050	48.4	35.9	4.1	6.7	586	180,504	14.88	2.54	127	18.1	20.8	9.6	9.9	1,365	27,673	6.12
Areas 5 and B.....	22,743	17,601	56.4	100.0	100.0	100.0	1,268	26,028,729	31.25	2.47	4,463	18.2	100.0	100.0	100.0	1,639	1,771,923	6.60
Commercial farms.....	13,584	11,937	58.7	67.8	95.8	93.0	1,306	24,971,541	32.24	2.47	3,678	19.4	82.4	96.5	95.3	1,659	1,699,036	6.64
Class I.....	1,700	1,489	65.9	8.5	58.2	54.1	1,364	15,103,483	33.53	2.46	760	24.0	17.0	63.6	61.1	1,706	1,066,303	6.51
Class II.....	2,369	2,197	63.1	12.5	16.8	15.0	1,425	4,481,040	35.92	2.52	877	19.8	19.7	15.2	14.6	1,699	279,779	7.13
Class III.....	2,655	2,350	50.2	13.4	8.9	10.2	1,100	2,356,915	27.70	2.52	777	14.4	17.4	8.8	9.1	1,583	170,772	6.98
Class IV.....	3,179	2,835	46.2	16.1	7.1	8.0	1,121	1,847,955	27.69	2.47	798	9.6	16.5	5.8	5.2	1,855	111,910	8.10
Class V.....	2,680	2,309	41.7	13.1	4.0	4.8	1,059	991,988	24.63	2.33	404	13.1	9.1	2.6	4.7	907	58,287	4.63
Class VI.....	1,001	757	26.0	4.3	0.8	0.9	1,143	190,160	26.48	2.32	122	6.0	2.7	0.5	0.6	1,343	11,985	7.22
Other farms.....	9,159	5,664	39.9	32.2	4.2	7.0	756	1,057,188	18.11	2.40	785	8.0	17.6	3.5	4.7	1,223	72,887	5.79
Areas 6 and C.....	5,352	3,811	53.6	100.0	100.0	100.0	1,027	11,487,251	26.67	2.60	678	9.1	100.0	100.0	100.0	1,486	445,300	6.12
Commercial farms.....	3,057	2,505	57.6	65.7	96.7	96.6	1,028	11,106,986	26.68	2.60	528	9.4	77.9	95.6	93.1	1,525	427,725	6.31
Class I.....	758	663	65.6	17.4	78.3	72.1	1,115	8,934,136	28.75	2.58	134	9.8	27.1	67.7	63.6	1,583	315,265	6.82
Class II.....	539	411	47.0	10.8	8.1	9.4	884	1,001,090	24.68	2.79	83	7.0	12.2	10.6	8.3	1,914	42,682	7.11
Class III.....	460	391	40.7	10.3	5.0	7.1	728	552,893	18.18	2.50	80	12.1	11.8	10.1	12.5	1,204	34,082	3.76
Class IV.....	562	453	42.3	11.9	2.8	4.0	716	334,550	19.22	2.69	104	8.8	15.3	3.6	4.9	1,079	17,906	4.97
Class V.....	542	424	36.7	11.1	2.0	3.3	640	243,285	17.18	2.68	55	4.7	8.1	2.2	2.5	1,323	7,858	4.33
Class VI.....	196	163	36.0	4.3	0.4	0.7	581	41,032	13.82	2.39	22	12.2	3.2	1.3	1.4	1,387	9,832	9.78
Other farms.....	2,295	1,306	17.8	34.3	3.3	3.4	1,013	380,265	26.22	2.59	150	6.2	22.1	4.4	6.9	956	17,575	3.49
Georgia, total.....	165,465	135,581	63.9	100.0	100.0	100.0	398	54,658,816	8.77	2.20	14,967	3.8	100.0	100.0	100.0	1,525	1,657,651	4.52
Commercial farms.....	101,867	94,536	68.5	69.7	91.7	90.9	402	50,202,328	8.87	2.21	11,750	4.0	78.5	88.2	89.0	1,512	1,473,367	4.51
Class I.....	1,719	1,463	67.9	1.1	10.3	9.2	446	5,639,609	9.86	2.21	534	5.6	3.6	13.3	12.9	1,570	221,271	4.66
Class II.....	6,523	5,751	65.9	4.2	15.2	14.2	424	8,415,435	9.49	2.24	1,846	5.7	12.3	21.7	20.8	1,589	350,295	4.58
Class III.....	14,389	13,192	70.9	9.7	19.1	18.5	410	10,488,155	9.09	2.22	2,722	4.5	18.2	20.6	20.0	1,565	352,298	4.79
Class IV.....	26,601	24,964	73.2	18.4	23.3	23.1	401	12,619,270	8.77	2.19	3,192	3.5	21.3	16.7	18.5	1,374	292,260	4.31
Class V.....	31,132	29,265	67.8	21.6	17.1	18.1	376	9,421,811	8.33	2.22	2,224	2.6	14.9	11.0	11.8	1,428	179,517	4.15
Class VI.....	21,903	19,901	59.1	14.7	6.8	7.7	351	3,618,448	7.55	2.15	1,232	2.2	8.2	5.0	4.9	1,545	77,726	4.33
Other farms.....	63,598	41,045	38.2	30.3	8.3	9.1	362	4,456,488	7.82	2.16	3,217	2.7	21.5	11.8	11.0	1,629	184,284	4.57
Areas 1 and A.....	12,704	9,233	46.0	100.0	100.0	100.0	384	1,954,025	7.94	2.07	1,415	4.4	100.0	100.0	100.0	2,467	124,368	5.25
Commercial farms.....	5,584	5,065	51.8	54.9	83.4	81.6	393	1,623,497	8.09	2.06	909	5.0	64.2	80.3	81.7	2,425	99,540	5.14
Class I.....	109	81	61.9	0.9	8.9	8.4	408	168,424	8.16	2.00	45	8.8	3.2	12.2	12.5	2,410	14,679	4.97
Class II.....	558	468	52.5	5.1	13.4	13.1	393	255,221	7.91	2.01	213	10.2	15.1	25.4	26.4	2,381	29,973	4.80
Class III.....	677	560	52.9	6.1	15.2	13.8	423	309,132	9.11	2.15	119	3.7	8.4	10.3	10.0	2,520	11,224	4.71
Class IV.....	1,105	1,019	57.2	11.0	17.2	16.3	407	325,790	8.15	2.00	169	3.6	11.9	10.0	10.7	2,520	14,475	5.70
Class V.....	1,683	1,595	49.2	17.3	18.9	19.3	376	379,545	7.98	2.12	207	3.8	14.6	15.7	15.6	2,477	19,484	5.26
Class VI.....	1,452	1,342	42.5	14.5	9.7	10.7	348	185,385	7.03	2.02	156	2.5	11.0	6.8	6.5	2,583	9,705	6.30
Other farms.....	7,120	4,168	30.7	45.1	16.6	18.4	345	330,528	7.29	2.11	506	2.9	35.8	19.7	18.3	2,654	24,828	5.72
Area 2.....	8,636	6,778	46.9	100.0	100.0	100.0	391	689,877	8.64	2.21	950	6.3	100.0	100.0	100.0	2,179	54,459	5.10
Commercial farms.....	3,574	2,971	50.9	43.8	63.7	64.1	388	447,428	8.74	2.25	619	8.1	65.2	76.6	76.4	2,183	40,705	4.98
Class I.....	110	89	40.4	1.3	2.4	2.4	391	19,658	10.15	2.59	18	5.5	1.9	2.4	2.5	2,068	1,872	7.04
Class II.....	569	463	43.8	6.8	9.5	9.1	407	66,065	9.05	2.22	103	7.1	10.8	13.3	13.1	2,597	5,945	5.00
Class III.....	824	664																

USE OF FERTILIZER AND LIME

207

**Table 4—USE AND EXPENDITURES FOR FERTILIZER AND LIME BY ECONOMIC CLASS OF FARM, BY ECONOMIC AREAS:
CENSUS OF 1954—Continued**

State, economic area, and economic class of farm	Total number of farms	Fertilizer										Lime							
		Farms reporting use of fertilizer	Acres ferti- lized as a percent of total cropland plus improved pasture	Percent distribu- tion of—			Quan- tity used per acre ferti- lized (lb.)	Expenditures (dollars)			Farms report- ing use of lime	Acres limed as a percent of total cropland plus improved pasture	Percent distribu- tion of—			Expenditures (dollars)			
				Farms Re- porting use of fertilizer	Ferti- lizer used	Acres ferti- lized		For fertilizer	Per acre ferti- lized	Per cent. of ferti- lizer used			Farms Re- porting use of lime	Lime used	Acres limed	For lime	Per acre limed		
																		Quant- ity used per acre ferti- lized (lb.)	For fertilizer	Per acre ferti- lized	Per cent. of ferti- lizer used
Georgia—Continued																			
Area 4b.....	11,830	9,275	44.1	100.0	100.0	100.0	342	2,337,914	7.40	2.16	1,329	5.2	100.0	100.0	100.0	1,303	147,405	3.94	
Commercial farms.....	5,331	4,864	47.9	52.4	79.9	78.5	348	1,876,889	7.56	2.17	986	6.4	74.2	87.9	88.1	1,300	127,245	3.86	
Class I.....	68	55	55.1	0.6	8.9	7.7	394	203,456	8.34	2.12	37	10.8	2.8	12.1	12.8	1,227	18,143	3.78	
Class II.....	416	351	43.3	3.8	14.1	13.1	368	326,217	7.85	2.13	171	7.3	12.9	19.1	18.7	1,330	27,967	4.01	
Class III.....	519	430	44.0	4.6	11.3	11.4	337	266,808	7.38	2.19	236	7.4	17.8	22.1	16.2	1,779	31,697	5.24	
Class IV.....	763	704	46.4	7.6	15.6	13.7	389	363,679	8.41	2.16	203	6.5	15.3	15.6	16.2	1,258	23,509	3.80	
Class V.....	1,394	1,246	48.9	13.4	16.8	17.7	325	400,934	7.16	2.20	200	5.1	15.0	11.7	15.6	978	15,279	2.62	
Class VI.....	2,171	2,078	53.4	22.4	13.2	14.8	306	315,795	6.75	2.20	134	3.7	10.5	7.4	8.7	1,104	10,650	3.27	
Other farms.....	6,499	4,411	34.0	47.6	20.1	21.5	320	461,025	6.79	2.12	343	2.2	25.8	12.1	11.9	1,324	20,160	4.53	
Areas 5, C, and D.....	6,997	5,490	56.7	100.0	100.0	100.0	346	2,368,395	7.76	2.25	628	3.0	100.0	100.0	100.0	1,782	79,603	4.97	
Commercial farms.....	3,705	3,507	62.1	63.9	88.9	87.1	353	2,122,663	7.99	2.26	512	3.1	81.5	85.8	83.5	1,833	68,645	5.13	
Class I.....	69	62	61.2	1.1	12.1	8.2	512	303,512	12.14	2.37	29	4.9	4.6	13.4	12.4	1,920	10,925	5.49	
Class II.....	237	196	58.7	3.6	16.9	14.9	392	389,451	8.58	2.79	68	2.6	10.8	13.8	12.5	1,961	13,223	6.60	
Class III.....	278	266	70.0	4.8	13.9	13.5	355	335,512	8.13	2.29	79	6.2	12.6	21.2	22.7	1,667	16,541	4.56	
Class IV.....	752	715	65.1	13.0	18.2	20.7	314	460,843	7.31	2.33	132	2.5	21.0	15.8	15.1	1,867	10,857	4.50	
Class V.....	1,328	1,267	61.5	23.1	18.2	18.8	335	424,844	7.41	2.21	133	2.0	21.2	11.9	11.8	1,792	9,784	5.17	
Class VI.....	1,041	1,001	55.5	18.2	9.1	11.0	285	208,501	6.20	2.18	71	2.4	11.3	9.9	9.0	1,952	7,315	5.06	
Other farms.....	3,292	1,983	35.8	36.1	11.1	12.9	296	245,732	6.24	2.11	116	2.4	18.5	14.2	16.5	1,536	10,958	4.15	
Area 6.....	13,558	12,168	69.1	100.0	100.0	100.0	334	6,848,888	7.65	2.29	901	1.9	100.0	100.0	100.0	1,334	110,592	4.43	
Commercial farms.....	10,230	9,899	71.2	81.4	94.7	94.4	335	6,507,873	7.69	2.30	800	2.0	88.8	93.2	95.2	1,305	103,404	4.33	
Class I.....	149	147	68.4	1.2	14.3	12.7	376	985,978	8.65	2.30	44	3.4	4.9	16.0	22.9	933	20,308	3.55	
Class II.....	348	348	74.4	2.9	14.8	13.2	374	999,853	8.43	2.25	95	2.9	10.5	22.6	18.6	1,619	29,024	4.95	
Class III.....	924	919	70.6	7.6	16.0	16.6	323	1,088,668	7.34	2.27	178	2.6	19.8	24.7	22.2	1,481	23,242	5.27	
Class IV.....	2,441	2,384	75.7	19.6	22.5	22.7	331	1,499,767	7.38	2.23	283	1.8	31.4	18.8	19.8	1,267	18,540	3.76	
Class V.....	4,081	3,936	68.6	32.3	20.4	21.2	321	1,503,327	7.90	2.46	130	0.7	14.4	8.5	8.1	1,395	9,016	4.44	
Class VI.....	2,287	2,165	66.9	17.8	6.6	8.0	278	430,280	6.02	2.16	70	0.8	7.8	2.6	3.6	978	2,910	3.27	
Other farms.....	3,328	2,269	46.4	18.6	5.3	5.6	319	341,015	6.86	2.15	101	1.1	11.2	6.8	4.8	1,904	7,552	6.35	
Area 7a.....	8,506	7,627	67.5	100.0	100.0	100.0	387	5,499,753	8.75	2.26	818	3.7	100.0	100.0	100.0	1,469	157,012	4.56	
Commercial farms.....	6,773	6,504	69.7	85.3	96.2	95.7	389	5,308,411	8.83	2.27	761	3.8	93.0	96.1	95.8	1,473	152,510	4.63	
Class I.....	179	178	72.8	2.3	20.1	17.4	448	1,169,984	10.70	2.39	80	5.6	9.8	28.9	24.2	1,750	43,663	5.23	
Class II.....	473	452	71.7	5.9	21.7	20.4	412	1,182,378	9.21	2.24	168	5.5	20.5	28.1	28.4	1,453	48,368	4.95	
Class III.....	929	917	69.3	12.0	18.6	19.0	380	1,093,826	9.16	2.41	138	3.3	16.9	16.7	16.6	1,471	24,021	4.20	
Class IV.....	1,907	1,871	74.8	24.5	18.5	19.6	365	945,406	7.68	2.10	205	3.5	3.6	25.1	13.0	17.1	1,113	20,171	3.42
Class V.....	2,104	2,017	65.9	26.4	12.4	13.8	348	657,095	7.58	2.17	129	1.6	15.8	6.4	6.2	1,508	10,432	4.85	
Class VI.....	1,181	1,069	53.1	14.0	4.8	5.4	340	259,222	7.59	2.23	41	1.7	5.0	3.1	3.2	1,424	5,855	5.37	
Other farms.....	1,733	1,123	39.6	14.7	3.8	4.3	343	191,342	7.06	2.06	57	2.1	7.0	3.9	4.2	1,362	4,502	3.13	
Area 7b.....	20,207	18,001	74.7	100.0	100.0	100.0	408	11,412,508	8.53	2.09	2,366	4.2	100.0	100.0	100.0	1,434	330,334	4.41	
Commercial farms.....	16,558	15,842	75.7	88.0	97.3	97.0	409	11,104,804	8.56	2.09	2,217	4.3	93.7	97.3	97.7	1,427	322,524	4.40	
Class I.....	262	258	71.2	1.4	13.3	12.1	448	1,541,799	9.51	2.12	100	5.2	4.2	16.8	15.9	1,519	56,001	4.71	
Class II.....	968	947	69.0	5.3	18.6	17.1	445	2,119,963	9.30	2.09	319	5.6	13.5	26.2	24.7	1,519	80,821	4.37	
Class III.....	2,746	2,662	78.7	14.8	22.4	22.1	414	2,572,824	8.70	2.10	635	4.7	26.8	24.5	23.4	1,499	84,258	4.80	
Class IV.....	5,382	5,252	80.3	29.2	25.1	25.7	398	2,883,434	8.38	2.11	674	3.5	28.5	18.5	19.8	1,340	65,734	4.43	
Class V.....	4,945	4,724	77.6	26.2	14.3	15.8	369	1,600,455	7.56	2.05	398	3.3	3.5	18.8	9.5	12.0	1,138	30,605	3.39
Class VI.....	2,255	1,999	70.6	11.1	3.6	4.2	353	386,359	6.92	1.96	91	1.8	3.8	1.7	1.9	1,308	5,105	3.57	
Other farms.....	3,649	2,159	52.9	12.0	2.7	3.0	368	307,704	7.75	2.10	149	2.3	6.3	2.7	2.3	1,720	7,810	4.57	
Area 8.....	25,660	23,215	80.1	100.0	100.0	100.0	456	12,220,064	10.38	2.28	1,947	2.5	100.0	100.0	100.0	1,404	169,291	4.59	
Commercial farms.....	21,503	20,572	81.4	88.6	96.4	96.3	456	11,796,327	10.41	2.28	1,830	2.5	94.0	95.9	96.1	1,401	161,836	4.57	
Class I.....	180	144	78.0	0.6	4.5	3.5	592	528,489	12.98	2.19	40	5.1	2.1	6.8	7.2	1,326	12,306	4.65	
Class II.....	867	857	77.0	3.7	13.6	12.4	501	1,855,381	12.72	2.54	243	3.9	12.5	23.0	20.1	1,609	35,703	4.82	
Class III.....	3,807	3,729	83.9	16.1	25.8	25.1	467	3,079,637	10.41	2.23	477	2.8	24.5	25.2	25.3	1,401	45,625	4.89	
Class IV.....	7,992	7,744	82.9	33.4	32.9	33.0	448	3,899,103	10.05	2.24	668	2.2	34.3	28.0	28.6	1,378	47,623	4.52	
Class V.....	5,976	5,734	82.3	34.7	15.4	17.1	410	1,882,313	9.34	2.28	254	1.6	13.0	9.3	10.6	1,226	14,351	3.67	
Class VI.....	2,710	2,364	72.8	10.2	4.6	5.2	408	551,344	9.03	2.21	148	1.9	7.6	3.6	4.4	1,343	6,238	3.86	
Other farms.....	4,158	2,643	56.5	11.4	3.6	3.7	440	423,737	9.64	2.19	117	1.9	6.0	4.1	3.9	1,470	7,455	5.17	
Areas 9 and E.....	7,782	5,966	63.8	100.0	100.0	100.0	472	1,928,123	10.71	2.27	623	4.2	100.0	100.0	100.0	1,566	68,000	5.70	
Commercial farms.....	4,064	3,706	67.7	62.1	87.7	87.0	475	1,702,516	10.86	2.29	502	4.8	80.6	93.6	93.0	1,575	64,310	5.79	
Class I.....	52	43	41.3	0.7	4.0	3.0	623	81,718	14.96	2.40	14	6.4	2.2	12.7	7.1	2,789	8,508	10.02	
Class II.....	98	89	49.2	1.5	6.7	6.9	462	134,452	10.90	2.36	19	6.1	3.0	12.0	12.8	1,462	8,496	5.55	
Class III.....	601	5																	

USE OF FERTILIZER AND LIME

Table 4.—USE AND EXPENDITURES FOR FERTILIZER AND LIME BY ECONOMIC CLASS OF FARM, BY ECONOMIC AREAS.
CENSUS OF 1954—Continued

State, economic area, and economic class of farm	Total number of farms	Fertilizer								Lime								
		Farms reporting use of fertilizer	Acres fertilized as a percent of total cropland plus improved pasture	Percent distribution of—			Quantity used per acre fertilized (lb.)	Expenditures (dollars)			Farms reporting use of lime	Acres limed as a percent of total cropland plus improved pasture	Percent distribution of—		Quantity used per acre limed (lb.)	Expenditures (dollars)		
				Farms reporting fertilizer	Acres fertilized	Acres		For fertilizer	Per acre fertilized	Per cent of fertilizer used			Lime used	Acres limed		For lime	Per acre limed	
Idaho—Continued																		
Area 2.....	4,412	1,813	24.6	100.0	100.0	100.0	116	968,109	5.14	4.42	...	...	...	...	...	...	...
Commercial farms.....	2,888	1,567	25.2	86.4	98.8	98.8	116	958,514	5.15	4.43	...	...	...	...	...	...	...
Class I.....	327	258	26.2	14.2	41.0	39.2	121	398,007	5.38	4.44	...	...	...	...	...	...	...
Class II.....	745	556	28.2	30.7	38.7	39.8	113	398,074	5.30	4.70	...	...	...	...	...	...	...
Class III.....	567	339	21.5	18.7	10.8	11.5	108	92,385	4.25	3.92	...	...	...	...	...	...	...
Class IV.....	561	261	19.9	14.4	5.4	6.2	102	47,558	4.09	4.01	...	...	...	...	...	...	...
Class V.....	386	91	12.8	5.0	1.7	1.4	135	13,850	5.12	3.78	...	...	...	...	...	...	...
Class VI.....	302	62	11.3	3.4	1.3	0.6	238	8,640	7.35	3.09	...	...	...	...	...	...	...
Other farms.....	1,524	246	8.6	13.6	1.2	1.2	119	9,595	4.32	3.63	...	...	...	...	...	...	...
Area 3a.....	9,773	4,137	20.8	100.0	100.0	100.0	435	2,124,469	15.03	3.46	...	...	...	...	...	...	...
Commercial farms.....	7,917	3,962	21.5	95.8	99.4	99.1	436	2,113,369	15.09	3.46	...	...	...	...	...	...	...
Class I.....	392	305	29.4	7.4	32.5	22.6	627	706,626	22.16	3.53	...	...	...	...	...	...	...
Class II.....	1,395	1,065	27.9	25.7	34.7	34.7	434	719,268	14.67	3.38	...	...	...	...	...	...	...
Class III.....	2,189	1,336	19.8	32.3	21.7	25.7	367	475,903	13.09	3.56	...	...	...	...	...	...	...
Class IV.....	2,073	845	13.1	20.4	7.7	11.1	301	153,407	9.75	3.24	...	...	...	...	...	...	...
Class V.....	1,456	310	10.2	7.5	2.2	3.9	249	46,110	8.33	3.35	...	...	...	...	...	...	...
Class VI.....	412	101	17.1	2.4	0.5	1.1	212	12,055	7.90	3.72	...	...	...	...	...	...	...
Other farms.....	1,856	175	4.3	4.2	0.6	0.9	305	11,100	8.95	2.94	...	...	...	...	...	...	...
Area 3b.....	7,266	4,790	28.3	100.0	100.0	100.0	255	2,375,867	9.29	3.65	...	...	...	...	...	...	...
Commercial farms.....	6,633	4,685	28.6	97.8	99.8	99.6	255	2,370,902	9.30	3.65	...	...	...	...	...	...	...
Class I.....	644	540	31.6	11.3	38.3	34.5	282	944,715	10.70	3.79	...	...	...	...	...	...	...
Class II.....	1,869	1,608	30.9	33.6	36.0	35.3	260	820,321	9.09	3.50	...	...	...	...	...	...	...
Class III.....	2,095	1,543	27.0	32.2	18.1	21.4	216	435,985	7.98	3.70	...	...	...	...	...	...	...
Class IV.....	1,269	724	19.7	15.1	5.7	7.0	209	134,591	7.55	3.61	...	...	...	...	...	...	...
Class V.....	595	210	14.4	4.4	1.5	1.3	307	30,915	9.60	3.13	...	...	...	...	...	...	...
Class VI.....	161	60	17.3	1.3	0.2	0.3	206	4,375	6.43	3.12	...	...	...	...	...	...	...
Other farms.....	633	105	7.3	2.2	0.2	0.4	121	4,965	5.46	4.51	...	...	...	...	...	...	...
Area 4.....	11,381	4,971	11.1	100.0	100.0	100.0	220	2,408,825	9.10	4.13	...	...	...	...	...	...	...
Commercial farms.....	9,762	4,825	11.1	97.1	99.3	99.3	220	2,393,555	9.11	4.13	...	...	...	...	...	...	...
Class I.....	706	438	12.1	8.8	29.4	28.3	229	739,805	9.87	4.31	...	...	...	...	...	...	...
Class II.....	2,509	1,582	11.5	31.8	37.5	37.9	218	920,139	9.18	4.21	...	...	...	...	...	...	...
Class III.....	2,866	1,559	11.4	31.4	21.1	21.8	213	486,320	8.44	3.95	...	...	...	...	...	...	...
Class IV.....	2,160	848	8.5	17.1	8.8	8.6	225	189,174	8.34	3.70	...	...	...	...	...	...	...
Class V.....	1,475	338	7.7	6.8	2.2	2.4	205	53,062	8.40	4.09	...	...	...	...	...	...	...
Class VI.....	346	60	6.6	1.2	0.2	0.3	195	5,055	6.83	3.51	...	...	...	...	...	...	...
Other farms.....	1,619	146	7.2	2.9	0.7	0.7	204	15,270	7.70	3.78	...	...	...	...	...	...	...
Illinois, total.....	175,705	111,544	32.9	100.0	100.0	100.0	264	57,905,762	7.31	2.76	42,639	4.7	100.0	100.0	100.0	4,477	8,675,591	7.73
Commercial farms.....	147,801	104,142	33.1	93.4	98.5	98.3	265	57,092,991	7.34	2.77	40,614	4.7	95.3	97.5	97.8	4,464	8,447,557	7.70
Class I.....	9,580	8,227	40.5	7.4	20.6	18.1	301	12,378,465	8.64	2.87	3,845	5.8	9.0	17.6	18.1	4,342	1,464,709	7.19
Class II.....	42,087	33,913	33.4	30.4	41.0	39.3	276	24,005,384	7.71	2.80	14,429	4.8	33.8	39.4	39.9	4,430	3,350,292	7.49
Class III.....	41,557	30,349	31.2	27.2	23.1	24.6	248	13,142,722	6.74	2.72	11,637	4.3	27.3	24.5	23.7	4,618	2,156,824	8.10
Class IV.....	26,949	17,800	30.2	16.0	9.2	10.8	225	5,128,385	5.97	2.65	6,547	4.2	15.4	10.6	10.6	4,475	984,770	8.29
Class V.....	18,058	10,353	28.6	9.3	3.7	4.4	223	1,992,795	5.68	2.55	3,161	4.0	7.4	4.2	4.4	4,341	379,707	7.76
Class VI.....	9,570	3,500	23.4	3.1	0.8	1.0	221	445,240	5.58	2.52	995	3.7	2.3	1.2	1.1	4,769	111,255	8.93
Other farms.....	27,904	7,402	24.6	6.6	1.5	1.7	233	812,771	6.01	2.58	2,025	4.6	4.7	2.5	2.2	5,029	228,034	9.06
Areas 1, A, and B.....	18,335	12,748	37.4	100.0	100.0	100.0	238	6,290,656	6.71	2.82	3,862	4.3	100.0	100.0	100.0	5,127	747,174	6.99
Commercial farms.....	16,865	12,433	37.4	97.5	99.2	99.4	238	6,240,141	6.69	2.82	3,787	4.3	98.1	99.2	99.1	5,131	740,624	6.99
Class I.....	1,624	1,497	50.9	11.7	30.3	26.9	270	1,952,076	7.74	2.86	505	5.4	13.1	24.6	24.9	5,067	167,998	6.30
Class II.....	6,087	5,168	39.0	40.5	43.9	45.8	228	2,800,910	6.52	2.86	1,771	4.4	45.9	47.0	45.7	5,277	353,160	7.23
Class III.....	5,089	3,748	30.5	29.4	18.1	20.1	214	1,113,350	5.90	2.75	1,036	3.7	26.8	21.4	21.2	5,178	171,531	7.55
Class IV.....	2,530	1,480	24.0	11.6	5.6	5.4	246	304,950	6.04	2.46	390	3.2	10.1	5.2	6.2	4,298	39,905	6.00
Class V.....	1,160	465	17.0	3.6	1.0	1.0	226	62,015	6.37	2.81	65	1.6	1.7	0.8	0.9	4,525	5,875	6.42
Class VI.....	375	75	13.4	0.6	0.1	0.1	246	6,840	6.67	2.71	20	2.8	0.5	0.1	0.2	3,333	2,145	10.21
Other farms.....	1,470	315	30.1	2.5	0.8	0.6	314	50,515	8.96	2.85	75	5.1	1.9	0.8	0.9	4,730	6,560	6.94
Areas 2 and C.....	12,156	8,968	44.1	100.0	100.0	100.0	266	4,624,582	7.58	2.85	2,479	4.3	100.0	100.0	100.0	3,557	317,443	5.34
Commercial farms.....	10,259	8,401	44.4	93.7	98.5	98.8	265	4,559,852	7.56	2.86	2,393	4.3	96.5	97.8	97.2	3,577	308,368	5.33
Class I.....	952	890	56.0	9.9	27.1	22.9	314	1,243,557	8.91	2.83	258	4.5	10.4	22.1	18.7	4,202	68,338	6.15
Class II.....	3,496	3,146	45.0	35.1	41.8	45.6	243	1,923,810	6.91	2.84	1,005	4.4	40.5	41.7	45.7	3,246	122,695	4.51
Class III.....	3,126	2,615	39.7	29.2	21.2	22.0	256	1,043,135	7.76	3.03	790	4.4	31.9	25.6	25.0	3,647	88,540	5.96
Class IV.....	1,495	1,045	34.2	11.7	6.0	6.2	259	248,140	6.58	2.54	230	3.0	9.3	6.0	5.7	3,771	21,865	6.50
Class V.....	770	515	34.3	5.7	2.0	1.9	274	87,430	7.37	2.69	90	3.1	3.6	2.0	1.8	3,972	5,360	5.08
Class VI.....	420	190	17.9	2.1	0.3	0.3	352	13,780	8.61	2.44	20	2.5	0.8	0.4	0.4	3,455	1,570	7.14
Other farms.....	1,897	567	28.6	6.3	1.5	1.2	354	64,730	9.17	2.59	86	6.7	3.5	2.2	2.8	2,835	9,075	5.51
Area 3.....	21,629	10,009	19.7	100.0	100.0	100.0	310	5,012,777	8.33	2.69	5,200	4.9	100.0	100.0	100.0	4,534	1,202,426	8.02
Commercial farms.....	19,553	9,798	17.7	97.9	99.6	99.5	310	4,986,547	8.33	2.69	5,129	4.9	98.6	99.4	99.3	4,539	1	

USE OF FERTILIZER AND LIME

209

**Table 4—USE AND EXPENDITURES FOR FERTILIZER AND LIME BY ECONOMIC CLASS OF FARM, BY ECONOMIC AREAS:
CENSUS OF 1954—Continued**

State, economic area, and economic class of farm	Total number of farms	Fertilizer							Lime										
		Farms reporting use of fertilizer	Acres fertilized as a percent of total cropland plus improved pasture	Percent distribution of—			Quantity used per acre fertilized (lb.)	Expenditures (dollars)			Farms reporting use of lime	Acres limed as a percent of total cropland plus improved pasture	Percent distribution of—			Expenditures (dollars)			
				Farms reporting fertilizer	Fertilizer used	Acres fertilized		For fertilizer	Per acre fertilized	Per cent. of fertilizer used			Farms reporting lime	Lime used	Acres limed	Quantity used per acre limed (lb.)	For lime	Per acre limed	
																			Farms reporting fertilizer	Fertilizer used	Acres fertilized	For fertilizer	Per acre fertilized	Per cent. of fertilizer used	Farms reporting lime	Lime used	Acres limed	Quantity used per acre limed (lb.)	For lime	Per acre limed
Illinois—Continued																			
Area 5.....	7,717	5,235	33.3	100.0	100.0	100.0	328	3,973,866	9.15	2.79	1,851	4.9	100.0	100.0	100.0	4,149	395,409	6.18	
Commercial farms.....	7,211	5,139	33.2	98.2	99.3	99.3	328	3,949,815	9.15	2.79	1,825	4.8	98.6	97.8	98.1	4,133	388,662	6.19	
Class I.....	599	483	42.8	9.2	20.7	21.4	317	884,530	9.52	3.00	230	6.4	12.4	22.0	21.7	4,208	84,142	6.06	
Class II.....	3,262	2,601	33.3	49.7	54.9	53.2	339	2,155,565	9.33	2.75	940	4.8	50.8	52.6	52.4	4,163	206,265	6.15	
Class III.....	2,120	1,390	27.3	26.6	18.6	18.8	324	709,370	8.67	2.67	475	4.2	25.7	19.1	19.5	4,067	80,945	6.49	
Class IV.....	775	470	29.1	9.0	3.8	4.4	282	149,975	7.77	2.75	150	3.4	8.1	3.1	3.5	3,654	14,255	6.32	
Class V.....	315	175	35.3	3.3	1.2	1.4	282	48,680	7.85	2.78	25	2.3	1.4	0.6	0.6	3,277	2,275	5.62	
Class VI.....	140	20	3.4	0.4	(2)	(2)	364	1,695	15.41	4.24	5	6.0	0.3	0.3	0.3	4,000	780	4.00	
Other farms.....	506	96	35.1	1.8	0.7	0.7	337	24,051	8.31	2.46	26	14.6	1.4	2.2	1.9	4,963	6,747	5.62	
Areas 6a, D, and E.....	17,808	11,108	29.4	100.0	100.0	100.0	292	6,795,453	8.17	2.80	5,020	5.2	100.0	100.0	100.0	4,305	1,197,705	8.18	
Commercial farms.....	15,243	10,648	29.4	95.9	97.1	98.9	292	6,728,028	8.18	2.80	4,855	5.1	96.7	98.2	98.4	4,296	1,175,505	8.16	
Class I.....	1,066	925	36.1	8.3	21.5	20.4	307	1,509,941	8.91	2.90	481	5.0	9.6	16.8	16.1	4,489	196,242	8.31	
Class II.....	4,986	4,105	28.7	37.0	44.9	43.2	303	3,056,954	8.50	2.81	2,127	5.6	42.4	47.7	47.7	4,304	578,749	8.28	
Class III.....	4,520	3,128	27.7	28.2	22.3	23.9	273	1,494,738	7.53	2.76	1,317	4.3	26.2	21.4	21.3	4,434	264,334	8.48	
Class IV.....	2,451	1,515	25.9	13.6	7.0	7.7	264	460,075	7.18	2.71	610	5.7	12.2	8.6	9.6	3,855	98,700	7.03	
Class V.....	1,490	730	28.0	6.6	2.8	3.1	261	163,870	6.38	2.44	235	4.0	4.7	2.4	2.5	4,136	29,845	8.12	
Class VI.....	730	245	24.4	2.2	0.6	0.7	286	42,450	7.75	2.71	85	7.3	1.7	0.7	1.1	2,713	7,635	4.66	
Other farms.....	2,565	460	27.4	4.1	0.9	1.1	244	67,425	7.28	2.98	165	7.1	3.3	1.8	1.6	4,826	22,200	9.21	
Area 6b.....	26,411	17,154	31.5	100.0	100.0	100.0	317	12,655,612	8.50	2.69	7,071	5.0	100.0	100.0	100.0	4,075	1,681,072	7.08	
Commercial farms.....	24,296	16,829	31.5	98.1	99.8	99.8	317	12,630,442	8.50	2.69	6,991	5.0	98.9	99.5	99.5	4,076	1,672,757	7.08	
Class I.....	2,328	2,002	38.1	11.7	26.6	25.1	335	3,391,658	9.07	2.71	1,051	6.1	14.9	25.0	25.1	4,063	427,842	7.18	
Class II.....	10,423	8,162	31.6	47.6	50.7	51.7	311	6,561,454	8.53	2.74	3,470	4.8	49.1	49.0	49.1	4,072	812,495	6.97	
Class III.....	6,865	4,575	26.9	26.7	17.6	18.0	309	2,086,220	7.78	2.52	1,740	4.6	24.6	19.5	19.4	4,115	333,030	7.24	
Class IV.....	2,755	1,415	23.8	8.2	3.8	3.9	307	467,295	8.07	2.63	540	4.4	7.6	4.5	4.5	4,078	74,615	6.96	
Class V.....	1,175	535	28.6	3.1	1.0	0.9	324	106,465	7.63	2.36	135	4.1	1.9	0.9	0.8	4,313	16,600	8.26	
Class VI.....	790	140	21.8	0.8	0.1	0.2	283	15,350	7.53	2.66	55	13.4	0.8	0.5	0.6	3,411	8,175	5.80	
Other farms.....	2,115	325	20.9	1.9	0.2	0.2	320	27,170	7.64	2.38	80	8.0	1.1	0.5	0.5	3,857	8,315	6.63	
Areas 7 and F.....	17,044	11,249	37.1	100.0	100.0	100.0	208	4,179,692	5.68	2.73	4,556	4.1	100.0	100.0	100.0	5,083	724,312	8.96	
Commercial farms.....	13,912	10,402	37.4	91.5	97.1	97.4	207	4,084,862	5.70	2.75	4,270	4.0	93.7	95.0	95.4	5,066	685,077	8.89	
Class I.....	88	88	43.9	0.8	2.5	2.0	262	96,697	6.65	2.54	53	9.2	1.2	4.8	3.8	6,399	24,605	8.06	
Class II.....	1,544	1,419	44.5	12.6	25.9	24.1	223	1,149,246	6.69	2.90	675	4.5	14.8	22.7	22.3	5,174	155,530	8.62	
Class III.....	4,253	3,073	39.6	33.5	37.8	39.7	198	1,613,524	5.52	2.79	1,561	3.9	34.3	34.7	35.5	4,974	264,332	9.22	
Class IV.....	3,072	3,072	32.9	26.9	20.8	21.8	198	830,825	5.19	2.62	1,191	3.5	26.1	21.1	21.0	5,110	177,070	9.27	
Class V.....	2,015	1,755	28.8	15.6	8.9	8.7	212	343,110	5.35	2.53	665	4.0	14.6	10.1	11.1	4,648	69,850	7.79	
Class VI.....	1,140	340	22.1	3.0	1.3	1.2	224	50,960	5.80	2.58	125	3.5	2.7	1.6	1.7	4,781	13,690	9.81	
Other farms.....	3,132	847	29.1	7.5	2.9	2.6	229	94,830	4.97	2.17	286	5.7	6.3	5.0	4.6	5,446	39,235	10.45	
Area 8.....	12,549	8,904	42.6	100.0	100.0	100.0	197	3,707,323	5.12	2.60	3,019	4.4	100.0	100.0	100.0	5,297	633,338	10.40	
Commercial farms.....	8,964	7,544	43.3	84.7	91.1	94.8	197	2,869,278	5.15	2.61	2,679	4.4	88.7	93.1	94.0	5,243	588,598	10.28	
Class I.....	34	34	48.3	0.4	1.8	1.7	203	63,382	6.21	3.07	22	5.4	0.7	2.1	1.9	5,911	14,570	12.77	
Class II.....	612	572	47.5	6.4	17.3	15.1	226	524,526	5.89	2.61	315	5.2	10.4	16.9	16.1	5,539	103,788	10.58	
Class III.....	2,042	1,947	45.3	21.9	37.4	34.6	213	1,125,725	5.53	2.60	797	4.5	26.4	32.8	33.5	5,184	204,015	10.01	
Class IV.....	2,651	2,451	42.5	27.5	24.0	27.1	175	753,575	4.73	2.71	855	4.1	28.3	25.9	25.4	5,400	167,540	10.84	
Class V.....	2,180	1,775	39.8	19.9	11.4	13.0	180	328,460	4.30	2.38	475	4.4	15.7	11.1	13.8	4,271	72,660	8.65	
Class VI.....	1,445	765	29.4	8.6	2.6	3.2	162	73,610	3.90	2.41	215	3.2	7.1	4.4	3.4	6,828	26,025	12.60	
Other farms.....	3,585	1,360	32.8	15.3	4.9	5.2	185	138,045	4.52	2.44	340	3.9	11.3	6.9	6.0	6,143	44,740	12.31	
Area 9.....	9,162	5,856	45.3	100.0	100.0	100.0	208	2,886,409	5.81	2.80	1,809	3.8	100.0	100.0	100.0	4,567	361,918	8.78	
Commercial farms.....	6,226	5,241	45.9	93.5	97.7	97.4	208	2,820,599	5.83	2.80	1,639	3.7	90.6	95.8	95.7	4,574	345,588	8.77	
Class I.....	188	183	51.3	3.1	14.4	11.8	253	419,286	7.17	2.83	67	3.3	3.7	7.7	9.0	3,869	23,731	6.37	
Class II.....	973	923	49.3	15.8	32.4	31.2	216	914,383	5.90	2.94	377	3.5	20.8	28.0	26.4	4,835	108,910	9.94	
Class III.....	1,615	1,515	46.8	25.9	27.1	28.8	196	823,145	5.76	2.94	515	4.4	28.5	35.1	32.9	4,882	120,920	8.93	
Class IV.....	1,450	1,260	41.8	21.5	15.4	16.0	200	439,660	5.53	2.76	395	3.6	21.8	15.7	16.8	4,267	57,800	8.35	
Class V.....	1,270	975	36.1	16.6	6.4	7.3	181	173,165	4.76	2.64	230	3.5	12.7	7.6	8.6	4,028	26,090	7.74	
Class VI.....	730	385	39.3	6.1	1.9	2.3	174	50,960	4.43	2.54	55	2.7	3.0	1.8	1.9	4,176	8,945	11.25	
Other farms.....	1,936	615	30.3	10.5	2.3	2.6	189	65,810	5.19	2.75	170	4.2	9.4	4.2	4.3	4,406	16,330	9.20	
Area 10.....	8,322	5,372	37.7	100.0	100.0	100.0	210	1,527,899	5.50	2.61	1,698	4.2	100.0	100.0	100.0	5,272	300,985	9.64	
Commercial farms.....	5,042	4,062	39.1	75.6	92.2	91.8	211	1,413,669	5.54	2.62	1,413	4.4	83.2	91.6	92.4	5,222	275,570	9.55	
Class I.....	48	48	47.7	0.9	6.0	4.9	260	107,656	7.96	3.06	24	3.4	1.4	3.5	3.1	6,016	10,522	10.90	
Class II.....</																			

USE OF FERTILIZER AND LIME

Table 4—USE AND EXPENDITURES FOR FERTILIZER AND LIME BY ECONOMIC CLASS OF FARM, BY ECONOMIC AREAS:
CENSUS OF 1954—Continued

State, economic area, and economic class of farm	Total number of farms	Fertilizer								Lime								
		Farms reporting use of fertilizer	Acres fertilized as a percent of total cropland plus improved pasture	Percent distribution of—		Quantity used per acre fertilized (lb.)	Expenditures (dollars)			Farms reporting use of lime	Acres limed as a percent of total cropland plus improved pasture	Percent distribution of—		Quantity used per acre limed (lb.)	Expenditures (dollars)			
				Farms reporting fertilizer	Fertilizer used		Acres fertilized	For fertilizer	Per acre fertilized			Per cent. of fertilizer used	Farms reporting lime		Lime used	Acres limed	For lime	Per acre limed
Indiana—Continued																		
Areas 1, A, and B.....	10,273	7,707	62.1	100.0	100.0	100.0	278	5,088,373	8.50	3.06	2,457	5.9	100.0	100.0	100.0	4,395	436,083	7.67
Commercial farms.....	7,332	6,421	63.5	83.3	96.4	96.6	277	4,919,713	8.51	3.07	2,207	5.9	89.8	94.8	94.6	4,403	419,028	7.79
Class I.....	395	359	73.7	4.7	23.5	17.2	380	1,179,948	11.44	3.01	181	10.3	7.4	22.4	25.3	3,891	86,648	6.02
Class II.....	1,612	1,542	69.9	20.0	36.9	38.5	266	1,891,770	8.22	3.08	656	5.1	26.7	32.6	29.6	4,842	157,960	9.38
Class III.....	1,905	1,790	59.8	23.2	20.4	23.2	244	1,030,630	7.43	3.04	625	4.9	25.4	20.9	20.1	4,567	88,680	7.76
Class IV.....	1,745	1,540	53.5	20.0	10.6	12.1	243	568,850	7.85	3.23	475	5.3	19.3	12.2	12.6	4,274	54,105	7.57
Class V.....	1,250	965	48.4	12.5	4.5	5.0	248	223,300	7.41	2.99	225	5.0	9.2	5.8	5.5	4,588	28,055	8.92
Class VI.....	425	225	29.4	2.9	0.5	0.6	248	25,215	7.08	2.85	45	6.6	1.8	0.8	1.4	2,472	3,580	4.45
Other farms.....	2,941	1,286	38.1	16.7	3.6	3.4	293	168,660	8.29	2.83	250	5.7	10.2	5.2	5.4	4,254	17,055	5.56
Area 2a.....	12,037	10,146	68.5	100.0	100.0	100.0	277	8,103,707	8.60	3.10	3,167	5.5	100.0	100.0	100.0	4,401	466,842	6.13
Commercial farms.....	10,110	9,149	68.9	90.2	98.5	98.6	277	7,998,667	8.61	3.11	2,967	5.5	93.7	97.9	98.1	4,394	456,427	6.11
Class I.....	584	563	76.0	5.5	28.5	21.3	371	2,394,783	11.91	3.21	280	8.1	8.8	28.4	28.0	4,452	127,287	5.96
Class II.....	2,616	2,581	71.1	25.4	40.0	40.3	275	3,163,314	8.32	3.03	987	4.7	31.2	34.5	33.0	4,597	161,980	6.45
Class III.....	2,725	2,605	65.9	25.7	18.1	22.4	224	1,514,440	7.18	3.21	930	5.6	29.4	22.5	23.5	4,201	101,480	5.66
Class IV.....	2,220	2,035	61.9	20.1	8.6	10.6	226	664,275	6.67	2.96	440	4.0	13.9	7.9	8.4	4,147	40,695	6.36
Class V.....	1,400	1,100	57.0	10.8	3.0	3.6	232	231,530	6.90	2.97	295	5.9	9.3	4.4	4.5	4,282	22,870	6.65
Class VI.....	565	265	38.8	2.6	0.4	0.4	252	30,325	7.61	3.02	35	4.3	1.1	0.3	0.6	2,247	2,115	4.75
Other farms.....	1,927	997	49.0	9.8	1.5	1.4	284	105,040	7.84	2.76	200	5.4	6.3	2.1	1.9	4,750	10,415	7.04
Area 2b.....	20,194	16,159	60.9	100.0	100.0	100.0	245	11,063,307	7.27	2.97	5,836	6.5	100.0	100.0	100.0	3,643	956,293	5.85
Commercial farms.....	17,112	15,212	61.1	94.1	98.8	98.9	245	10,924,689	7.26	2.96	5,619	6.5	96.3	98.5	98.6	3,640	943,803	5.85
Class I.....	1,316	1,291	65.8	8.0	24.3	20.5	291	2,698,734	8.65	2.98	725	8.2	12.4	24.3	23.8	3,726	233,723	6.01
Class II.....	5,395	5,135	61.7	31.8	43.3	44.4	239	4,829,350	7.16	2.99	2,198	6.3	37.7	41.1	41.9	3,569	405,660	5.91
Class III.....	4,706	4,501	59.9	27.9	21.7	23.4	227	2,371,735	6.65	2.93	1,626	6.0	27.9	23.2	21.8	3,886	212,590	5.96
Class IV.....	2,910	2,540	55.6	15.7	6.8	7.5	222	729,440	6.43	2.90	995	5.9	11.9	6.8	7.3	3,383	63,665	5.31
Class V.....	2,055	1,405	49.5	8.7	2.3	2.6	216	251,855	6.28	2.91	315	6.1	5.4	2.3	3.0	2,831	20,885	4.25
Class VI.....	930	340	48.7	2.1	0.4	0.5	206	43,575	6.35	3.08	60	8.4	1.0	0.7	0.7	3,475	7,280	6.17
Other farms.....	3,082	947	46.7	5.9	1.2	1.1	261	138,618	8.11	3.10	217	6.3	3.7	1.5	1.4	3,819	12,490	5.38
Areas 3 and C.....	20,707	16,372	55.2	100.0	100.0	100.0	240	6,973,675	6.87	2.87	4,376	4.8	100.0	100.0	100.0	3,168	442,180	5.02
Commercial farms.....	17,547	15,182	55.6	92.7	97.9	98.0	240	6,839,570	6.87	2.87	4,171	4.8	95.3	98.3	97.6	3,190	434,185	5.05
Class I.....	211	186	71.4	1.1	4.9	3.6	333	361,760	10.03	3.02	106	10.5	2.4	4.8	6.0	2,511	20,285	3.81
Class II.....	3,176	3,121	61.2	19.1	37.4	35.6	252	2,662,545	7.37	2.92	1,065	4.6	24.3	34.1	30.7	3,523	143,600	5.31
Class III.....	4,705	4,605	55.5	29.7	31.9	34.1	224	2,215,715	6.40	2.85	1,365	4.6	31.2	31.2	32.4	3,051	143,925	5.05
Class IV.....	5,375	4,205	48.9	25.7	16.7	17.4	230	1,134,610	6.44	2.80	1,040	4.7	23.8	19.2	19.2	3,168	87,690	5.19
Class V.....	3,255	2,470	46.0	15.1	6.5	6.7	231	422,930	6.23	2.69	505	4.6	11.5	7.7	7.7	3,152	33,955	4.98
Class VI.....	995	340	44.0	2.1	0.6	0.7	207	42,010	5.92	2.85	90	8.3	2.1	1.3	1.5	2,602	4,730	3.52
Other farms.....	3,160	1,190	41.3	7.3	2.1	2.0	253	134,105	6.77	2.68	205	4.4	4.7	1.7	2.4	2,291	7,995	3.75
Area 4.....	15,608	12,083	61.9	100.0	100.0	100.0	245	6,128,576	6.86	2.80	2,479	4.1	100.0	100.0	100.0	3,846	330,810	5.52
Commercial farms.....	12,510	10,950	62.4	90.6	98.1	98.3	245	6,020,978	6.86	2.80	2,373	4.1	95.7	97.3	97.2	3,850	320,346	5.50
Class I.....	589	579	67.1	4.8	17.0	14.1	295	1,077,748	8.55	2.89	242	5.0	9.8	17.7	15.6	4,348	59,566	6.36
Class II.....	2,911	2,816	65.1	23.3	39.0	38.3	250	2,475,060	7.23	2.90	906	5.0	36.5	41.6	43.7	3,557	142,725	5.45
Class III.....	3,425	3,290	61.3	27.2	25.9	28.3	224	1,548,990	6.12	2.73	730	3.6	29.4	24.0	24.6	3,745	75,200	5.09
Class IV.....	2,955	2,615	57.9	21.6	12.0	12.9	226	78,045	5.87	2.59	340	3.5	13.9	11.6	10.2	4,357	32,750	5.36
Class V.....	1,845	1,370	54.8	11.3	3.8	4.1	227	218,155	5.95	2.62	135	2.4	5.4	2.3	2.7	3,280	8,475	5.22
Class VI.....	785	280	31.4	2.3	0.4	0.5	207	22,980	5.03	2.42	15	1.3	0.6	0.2	0.3	2,737	1,540	8.11
Other farms.....	3,093	1,133	41.9	9.4	1.9	1.7	266	107,598	7.00	2.63	106	4.5	4.3	2.7	2.8	3,692	10,464	6.32
Areas 5 and D.....	20,859	15,897	60.5	100.0	100.0	100.0	248	8,235,151	6.84	2.75	5,649	6.8	100.0	100.0	100.0	3,660	706,967	5.20
Commercial farms.....	16,447	14,210	60.9	89.7	98.1	98.2	248	8,092,565	6.84	2.75	5,314	6.8	94.1	97.6	97.5	3,663	689,357	5.20
Class I.....	783	757	63.8	4.8	17.8	14.1	313	1,484,060	8.74	2.78	368	7.7	6.5	16.2	15.2	3,908	109,862	5.33
Class II.....	3,814	3,668	63.8	23.1	38.6	39.3	244	3,217,475	6.80	2.78	1,751	7.1	31.0	39.3	39.0	3,670	283,575	5.35
Class III.....	4,510	4,290	60.3	27.0	25.6	27.5	231	2,102,100	6.34	2.67	1,590	6.2	28.1	25.1	25.1	3,656	180,865	5.29
Class IV.....	3,345	2,945	55.6	18.5	10.9	11.8	230	870,125	6.14	2.67	880	6.1	15.6	10.8	11.3	3,699	72,145	4.67
Class V.....	2,705	2,035	54.4	12.8	4.5	4.7	242	359,875	5.42	2.46	560	7.0	9.9	4.9	5.3	3,367	32,645	4.51
Class VI.....	1,290	565	42.4	3.6	0.8	0.9	217	58,930	5.48	2.53	165	8.6	2.9	1.5	1.6	3,436	10,265	4.71
Other farms.....	4,412	1,687	42.1	10.3	1.9	1.8	260	142,586	6.69	2.57	335	6.7	5.9	2.4	2.5	3,540	17,610	5.23
Areas 6 and E.....	22,928	16,278	49.3	100.0	100.0	100.0	260	7,775,003	7.66	2.95	7,894	7.3	100.0	100.0	100.0	4,030	1,015,631	6.73
Commercial farms.....	15,250	13,211	50.4	81.2	95.5	95.5	260	7,468,371	7.70	2.96	6,832	7.2	86.5	93.7	92.1	4,100	430,000	6.80
Class I.....	413	365	49.6	2.2	10.6	9.1	301	865,118	9.34	3.10	219	5.9	2.8	7.1	7.3	3,946	74,793	6.83
Class II.....	2,407	2,236	54.1	15.7	32.6	30.8	275	2,662,638	8.51	3.10	1,407	7.1	17.8	28.8	27.1</			

USE OF FERTILIZER AND LIME

211

**Table 4—USE AND EXPENDITURES FOR FERTILIZER AND LIME BY ECONOMIC CLASS OF FARM BY ECONOMIC AREAS:
CENSUS OF 1954—Continued**

State, economic area, and economic class of farm	Total number of farms	Farms reporting use of fertilizer	Fertilizer							Lime								
			Acres fertilized as a percent of total cropland plus improved pasture	Percent distribution of—			Quantity used per acre fertilized (lb.)	Expenditures (dollars)			Acres limed as a percent of total cropland plus improved pasture	Percent distribution of—			Quantity used per acre limed (lb.)	Expenditures (dollars)		
				Farms reporting fertilizer	Fertilizer used	Acres fertilized		For fertilizer	Per acre fertilized	Per cent. of fertilizer used		Farms reporting use of lime	Lime used	Acres limed		For lime	Per acre limed	
Iowa, total.....	193,009	112,724	26.6	100.0	100.0	100.0	175	46,968,597	6.67	3.82	31,082	1.8	100.0	100.0	100.0	4,230	4,582,863	6.29
Commercial farms.....	178,238	111,004	26.7	98.5	99.5	99.6	175	46,771,168	6.67	3.82	30,422	2.7	97.9	99.0	99.0	4,230	4,535,046	6.29
Class I.....	10,302	8,587	37.2	7.6	18.4	16.2	198	8,845,744	7.74	3.90	2,522	3.1	8.1	13.5	13.0	4,398	632,076	6.68
Class II.....	52,164	40,505	30.4	35.9	44.6	44.8	174	20,847,397	6.61	3.80	10,601	2.8	34.1	40.2	40.0	4,244	1,839,950	6.31
Class III.....	59,884	39,324	23.6	34.9	26.5	28.2	164	12,398,142	6.25	3.81	10,128	2.6	32.6	29.6	29.6	4,228	1,324,300	6.14
Class IV.....	33,818	16,618	17.5	14.7	8.1	8.4	168	3,763,430	6.36	3.80	5,001	2.7	16.1	11.8	12.1	4,130	535,425	6.09
Class V.....	15,430	4,940	13.3	4.4	1.7	1.7	174	796,175	6.59	3.79	1,710	2.8	5.5	3.3	3.5	3,894	175,420	6.82
Class VI.....	6,640	1,030	11.2	0.9	0.3	0.3	269	120,280	6.06	3.59	460	3.0	1.5	0.7	0.7	3,896	27,870	5.25
Other farms.....	14,771	1,720	14.3	1.5	0.5	0.4	202	197,429	7.08	3.50	660	3.8	2.1	1.0	1.0	4,165	47,817	6.45
Area 1a.....	18,538	11,591	26.6	100.0	100.0	100.0	181	5,698,281	7.38	4.07	1,118	1.1	100.0	100.0	100.0	3,067	207,333	6.68
Commercial farms.....	17,913	11,561	26.6	99.7	99.9	99.9	181	5,694,786	7.38	4.07	1,118	1.1	100.0	100.0	100.0	3,067	207,333	6.68
Class I.....	1,867	1,590	36.4	13.4	25.4	23.8	193	1,515,216	8.23	4.26	187	1.6	16.7	29.9	26.8	3,423	65,593	7.88
Class II.....	7,341	5,466	27.4	47.2	49.3	48.7	183	2,729,695	7.26	3.96	611	1.2	54.7	52.4	51.8	3,012	104,215	6.36
Class III.....	5,745	3,410	21.3	29.4	20.2	21.6	169	1,141,146	6.85	4.05	290	0.7	25.9	16.6	18.7	2,708	34,860	5.99
Class IV.....	2,115	960	19.8	8.3	4.5	5.1	160	373,365	6.92	4.34	25	0.2	1.2	1.5	1.1	3,302	2,485	5.78
Class V.....	600	160	14.5	1.4	0.5	0.7	150	32,480	6.45	4.30	5	0.2	0.4	0.2	0.2	2,133	180	2.40
Class VI.....	285	15	13.4	0.1	(2)	0.1	165	1,850	4.62	2.80	...	...	...	...	...	...	...	...
Other farms.....	625	30	9.6	0.3	0.1	0.1	189	3,495	7.52	3.97	...	...	...	...	...	...	...	...
Area 1b, A, and B.....	23,785	14,863	26.7	100.0	100.0	100.0	159	7,522,643	7.59	4.78	1,582	1.1	100.0	100.0	100.0	3,463	263,659	6.57
Commercial farms.....	22,063	14,696	26.8	98.4	99.6	99.7	159	7,499,271	7.59	4.78	1,581	1.1	99.9	99.7	99.8	3,462	262,927	6.56
Class I.....	1,447	1,167	35.3	7.9	18.3	17.5	166	1,381,592	7.98	4.80	181	1.2	11.4	15.0	15.1	3,443	45,717	7.53
Class II.....	9,959	4,917	30.4	33.1	40.4	41.2	156	3,074,074	7.54	4.83	960	1.2	35.4	41.7	40.6	3,561	104,755	6.43
Class III.....	7,237	5,147	24.4	34.6	28.0	28.4	157	2,080,520	7.41	4.72	560	1.1	35.4	30.8	30.9	3,450	79,225	6.39
Class IV.....	4,570	2,555	19.4	17.2	10.3	10.1	161	758,695	7.56	4.66	210	0.8	13.3	9.5	10.0	3,293	26,510	6.58
Class V.....	1,995	760	14.9	5.1	2.2	2.2	157	177,860	8.13	5.17	65	0.5	4.1	2.4	2.8	2,907	5,970	5.31
Class VI.....	855	150	13.1	1.0	0.4	0.4	171	26,530	7.44	4.36	5	0.5	0.3	0.3	0.3	3,077	750	5.77
Other farms.....	1,722	167	12.1	1.1	0.4	0.3	173	23,372	7.24	4.17	1	0.4	0.1	0.3	0.2	3,860	732	7.32
Area 2a.....	12,352	8,659	34.6	100.0	100.0	100.0	176	4,274,750	5.85	3.33	317	0.5	100.0	100.0	100.0	2,494	56,892	5.63
Commercial farms.....	11,927	8,604	34.6	99.4	99.9	99.8	176	4,268,180	5.85	3.33	312	0.5	98.4	99.6	99.6	2,496	56,442	5.61
Class I.....	791	734	45.9	8.5	20.9	18.0	205	915,540	6.97	3.40	37	0.8	11.7	27.6	22.1	3,115	15,517	6.96
Class II.....	5,045	4,160	36.6	48.0	53.1	54.0	175	2,281,120	5.78	3.31	150	0.4	47.3	37.6	43.2	2,172	25,460	5.83
Class III.....	4,161	2,860	28.5	33.0	21.0	23.1	160	879,610	5.22	3.26	85	0.3	26.8	20.7	20.3	2,535	16,265	5.00
Class IV.....	1,310	665	22.6	7.7	3.6	4.1	153	155,125	5.17	3.38	30	1.0	9.5	12.5	12.7	2,451	4,555	3.54
Class V.....	380	135	25.0	1.6	0.6	0.6	196	30,835	7.48	3.83	10	0.8	3.2	1.3	1.2	2,560	645	5.16
Class VI.....	340	50	34.1	0.6	0.1	0.1	145	3,950	5.03	3.46	...	...	...	...	...	...	...
Other farms.....	425	55	36.7	0.6	0.1	0.2	147	6,570	5.66	3.86	5	1.4	1.6	0.4	0.4	2,000	450	10.00
Area 2b and C.....	26,372	15,740	29.7	100.0	100.0	100.0	175	7,751,047	6.65	3.80	1,397	0.9	100.0	100.0	100.0	3,309	196,960	5.89
Commercial farms.....	24,549	15,638	29.8	99.4	99.6	99.8	175	7,722,952	6.65	3.80	1,372	0.9	98.2	99.6	99.4	3,318	196,155	5.90
Class I.....	1,517	1,312	40.2	8.3	19.4	17.0	206	1,583,742	8.01	3.89	132	0.7	9.4	11.9	10.8	3,620	21,005	5.79
Class II.....	9,082	7,176	32.4	45.6	50.4	52.3	170	3,938,800	6.46	3.80	650	1.0	46.5	54.3	53.1	3,259	110,115	6.19
Class III.....	8,555	5,335	24.4	33.9	23.5	24.9	165	1,796,385	6.17	3.73	410	0.7	29.3	27.3	25.9	3,477	48,700	5.61
Class IV.....	3,435	1,465	18.2	9.3	4.5	4.8	165	351,455	6.29	3.82	155	1.0	11.1	7.4	8.8	2,788	14,840	5.64
Class V.....	1,275	260	11.1	1.7	0.5	0.5	190	46,110	7.23	3.81	25	0.4	1.8	0.8	0.7	3,955	1,495	6.80
Class VI.....	685	90	30.8	0.6	0.3	0.3	155	19,466	5.67	3.66	...	...	...	...	...	...	...
Other farms.....	1,823	102	13.1	0.6	0.4	0.4	306	28,095	10.48	3.43	25	1.0	1.8	0.4	0.6	1,905	805	3.83
Area 3a.....	14,617	5,706	14.0	100.0	100.0	100.0	184	1,811,989	7.72	4.18	3,082	4.1	100.0	100.0	100.0	3,536	393,174	5.71
Commercial farms.....	13,206	5,615	14.1	98.4	98.9	99.2	184	1,795,784	7.71	4.19	3,032	4.1	98.4	99.2	99.1	3,541	390,111	5.72
Class I.....	316	247	28.1	4.3	13.8	12.2	210	235,321	8.24	3.92	129	5.9	4.1	7.8	8.7	3,177	29,322	4.90
Class II.....	2,077	1,435	19.1	25.1	34.8	35.3	182	639,771	7.73	4.25	782	5.4	23.4	35.9	33.9	3,746	137,742	5.91
Class III.....	4,203	2,648	12.6	35.9	30.1	32.4	171	564,172	7.42	4.34	1,031	3.5	35.5	29.7	30.8	3,413	120,445	5.68
Class IV.....	3,625	1,360	10.0	4.8	15.5	15.6	183	277,920	7.58	4.14	740	3.5	24.0	19.5	18.9	3,648	78,645	6.15
Class V.....	2,135	420	5.7	7.4	4.1	3.1	245	65,960	9.19	3.75	290	3.2	9.4	5.6	5.9	3,345	28,345	5.50
Class VI.....	850	105	6.4	1.8	0.7	0.7	185	12,640	7.48	4.05	60	2.5	1.9	0.8	1.0	1,773	1,955	2.96
Other farms.....	1,411	91	9.8	1.6	1.1	0.8	242	16,205	8.60	3.55	50	3.3	1.6	0.8	0.9	3,339	3,060	4.74
Area 3b.....	16,637	7,250	16.6	100.0	100.0	100.0	200	2,212,219	7.18	3.59	4,473	5.7	100.0	100.0	100.0	3,936	633,319	5.96
Commercial farms.....	14,092	6,895	16.7	95.1	98.4	98.5	200	2,183,919	7.20	3.60	4,253	5.7	95.1	97.3	97.7	3,920	617,499	5.95
Class I.....	215	153	26.0	4.1	6.4	5.8	222	147,880	8.28	3.72	109	5.4	2.4	3.9	3.5	4,389	24,516	6.62
Class II.....	1,544	1,106	23.2	16.1	24.3	29.4	200	670,269	7.40	3.71	760	7.1	17.1	27.4	26.2	4,121	169,908	6.11
Class III.....	3,751	2,409	17.6	33.2	34.7	35.3	147	759,045	6.97	3.55	1,452	6.5	32.5	33.7	37.7	3,520	145,940	4.89
Class IV.....	4,337	2,017	13.2															

USE OF FERTILIZER AND LIME

Table 4.—USE AND EXPENDITURES FOR FERTILIZER AND LIME BY ECONOMIC CLASS OF FARM, BY ECONOMIC AREAS: CENSUS OF 1954—Continued

State, economic area, and economic class of farm	Total number of farms	Fertilizer							Lime									
		Farms reporting use of fertilizer	Acres fertilized as a percent of total cropland plus improved pasture	Percent distribution of—		Quantity used per acre fertilized (lb.)	Expenditures (dollars)			Farms reporting use of lime	Acres limed as a percent of total cropland plus improved pasture	Percent distribution of—		Quantity used per acre limed (lb.)	Expenditures (dollars)			
				Farms reporting fertilizer	Acres fertilized		For fertilizer	Per acre fertilized	Per cent. of fertilizer used			Farms reporting lime	Acres limed		For lime	Per acre limed		
Iowa—Continued																		
Areas 6 and D.....	24,079	13,687	26.3	100.0	100.0	100.0	192	5,152,451	6.60	3.43	6,620	5.2	100.0	100.0	100.0	4,837	997,828	6.49
Commercial farms.....	21,756	13,349	26.4	97.5	99.4	99.4	192	5,117,901	6.59	3.43	6,453	5.2	97.5	98.9	98.8	4,842	987,853	6.50
Class I.....	1,739	1,438	34.7	10.5	22.7	20.7	211	1,193,420	7.37	3.49	743	5.4	11.2	17.3	16.4	5,087	169,668	6.72
Class II.....	6,552	4,871	28.6	35.6	42.0	41.9	193	2,159,911	6.60	3.43	2,455	5.5	37.1	41.7	41.2	4,894	421,980	6.66
Class III.....	6,815	4,440	23.8	32.4	24.8	26.4	181	1,272,735	6.17	3.41	1,995	4.7	30.1	27.1	26.8	4,888	271,195	6.58
Class IV.....	3,945	1,825	18.6	13.3	7.6	8.1	181	382,180	6.05	3.34	855	4.8	12.9	9.4	10.6	4,278	91,505	6.60
Class V.....	1,955	630	15.9	4.6	2.0	2.0	185	97,975	6.18	3.34	320	4.6	4.8	2.8	3.0	3,953	27,450	5.99
Class VI.....	750	145	10.4	1.1	0.3	0.3	202	11,680	5.78	2.86	85	6.1	1.3	0.6	0.8	4,598	6,055	5.11
Other farms.....	2,323	338	14.6	2.5	0.6	0.6	204	34,550	7.41	3.63	167	5.7	2.5	1.1	1.2	4,451	9,975	5.51
Kansas, total.....	120,291	48,560	12.7	100.0	100.0	100.0	117	18,568,559	4.82	4.12	7,577	0.6	100.0	100.0	100.0	4,005	1,107,920	5.92
Commercial farms.....	102,526	45,883	12.8	94.5	98.2	98.5	117	18,280,568	4.81	4.13	7,127	0.6	94.1	95.0	95.7	3,975	1,055,560	5.89
Class I.....	3,601	1,898	11.3	3.9	10.7	10.6	118	2,106,570	5.16	4.37	305	0.4	4.0	7.4	7.7	3,828	85,890	5.95
Class II.....	18,849	9,687	13.1	20.0	31.2	32.8	111	5,958,760	4.71	4.23	1,678	0.6	22.1	29.4	30.3	3,884	327,810	5.77
Class III.....	29,826	14,676	13.5	30.2	31.2	31.5	116	5,794,886	4.77	4.12	2,445	0.7	32.3	30.6	31.3	3,919	351,042	6.00
Class IV.....	26,325	11,981	13.1	24.7	17.5	16.8	122	3,139,928	4.85	3.97	1,711	0.7	22.6	19.6	18.1	4,322	200,139	5.89
Class V.....	16,979	6,155	11.1	12.7	6.5	5.9	130	1,105,794	4.89	3.75	783	0.6	10.3	6.6	6.8	3,930	73,089	5.77
Class VI.....	6,946	1,486	7.5	3.1	1.1	0.9	133	174,630	4.80	3.59	205	0.6	2.7	1.4	1.5	3,756	17,590	6.13
Other farms.....	17,765	2,677	10.7	5.5	1.8	1.5	142	287,991	5.12	3.60	450	1.5	5.9	5.0	4.3	4,672	52,360	6.54
Area 1.....	8,726	594	0.9	100.0	100.0	100.0	79	251,124	4.24	5.34	10	(2)	100.0	100.0	100.0	5,333	2,600	8.67
Commercial farms.....	8,015	594	1.0	100.0	100.0	100.0	79	251,124	4.24	5.34	10	(2)	100.0	100.0	100.0	5,333	2,600	8.67
Class I.....	636	153	2.0	25.8	37.9	38.4	78	102,170	4.49	5.73	5	(2)	50.0	50.0	66.7	4,000	2,000	10.00
Class II.....	1,914	211	1.1	35.5	36.9	38.0	77	85,988	3.82	4.95	5	(2)	50.0	50.0	33.3	8,000	600	6.00
Class III.....	2,134	167	0.7	28.1	22.0	19.4	90	50,978	4.43	4.92	...	...	...	...	...	...	...	...
Class IV.....	1,770	34	0.2	5.7	2.6	3.2	64	10,822	5.75	9.02	...	...	...	...	...	...	...	...
Class V.....	1,212	29	0.1	4.9	0.6	1.0	46	1,166	2.05	4.48	...	...	...	...	...	...	...	...
Class VI.....	349	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Other farms.....	711	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Area 2a.....	15,562	1,627	2.3	100.0	100.0	100.0	84	644,234	3.67	4.38	33	(2)	100.0	100.0	100.0	3,720	10,079	8.44
Commercial farms.....	14,717	1,607	2.4	98.8	99.7	99.8	84	642,509	3.67	4.38	33	(2)	100.0	100.0	100.0	3,720	10,079	8.44
Class I.....	772	160	3.2	9.8	23.6	21.1	94	163,915	4.43	4.72	5	(2)	15.2	31.5	31.8	3,684	3,860	10.16
Class II.....	4,187	743	3.0	45.7	48.1	48.7	83	305,786	3.58	4.33	12	(2)	36.4	53.8	50.4	3,967	4,584	7.61
Class III.....	4,665	447	1.8	27.5	19.8	21.3	78	121,974	3.27	4.19	11	(2)	33.3	13.6	14.0	3,617	1,455	8.71
Class IV.....	3,169	221	1.4	13.6	7.3	7.5	80	44,374	3.35	4.16	5	(2)	15.2	1.1	3.8	1,111	180	4.00
Class V.....	1,470	31	0.6	1.9	1.0	1.1	72	6,265	3.23	4.48	...	...	...	...	...	...	...
Class VI.....	454	5	0.2	0.3	(2)	0.1	22	195	1.05	4.88	...	...	...	...	...	...	...
Other farms.....	845	20	0.8	1.2	0.3	0.2	103	1,725	4.42	4.31	...	...	...	...	...	...	...
Area 2b.....	6,899	820	3.4	100.0	100.0	100.0	100	308,254	4.28	4.29	17	(2)	100.0	100.0	100.0	2,905	2,937	6.18
Commercial farms.....	6,360	798	3.4	97.3	98.2	99.2	99	303,734	4.25	4.30	12	(2)	70.6	55.8	56.8	2,852	1,267	4.69
Class I.....	203	57	7.5	7.0	13.7	19.3	71	56,994	4.09	5.77	...	...	...	...	...	...	...
Class II.....	1,429	348	4.7	42.4	49.2	47.2	104	146,997	4.33	4.15	12	(2)	70.6	55.8	56.8	2,852	1,267	4.69
Class III.....	2,243	277	2.5	33.8	23.7	25.3	94	70,228	3.86	4.11	...	...	...	...	...	...	...
Class IV.....	1,434	86	1.3	10.5	9.8	5.3	176	25,300	6.36	3.60	...	...	...	...	...	...	...
Class V.....	740	29	1.1	3.0	1.4	1.7	84	3,215	2.58	3.09	...	...	...	...	...	...	...
Class VI.....	311	5	0.5	0.6	0.3	0.2	192	1,000	8.00	4.17	...	...	...	...	...	...	...
Other farms.....	539	22	1.8	2.7	1.8	0.8	215	4,520	7.73	3.59	5	0.6	29.4	44.2	43.2	2,976	1,670	8.15
Areas 3a and A.....	14,231	5,858	19.3	100.0	100.0	100.0	86	2,334,327	3.62	4.19	768	0.6	100.0	100.0	100.0	3,513	126,077	6.20
Commercial farms.....	12,550	5,712	19.4	97.5	99.4	99.5	86	2,320,667	3.62	4.19	753	0.6	98.0	98.9	99.1	3,505	125,207	6.22
Class I.....	475	343	26.8	5.9	13.9	13.3	90	340,243	3.97	4.40	53	0.5	6.9	8.4	8.2	3,592	9,292	5.56
Class II.....	3,120	1,927	22.9	32.9	45.5	46.0	85	1,069,005	3.60	4.22	310	0.8	40.4	54.6	52.1	3,682	66,843	6.32
Class III.....	4,471	1,997	16.0	34.1	27.9	28.2	85	631,641	3.48	4.07	264	0.6	34.4	28.0	31.1	3,170	38,293	6.06
Class IV.....	2,826	1,030	14.5	17.6	9.4	9.5	86	217,063	3.55	4.13	106	0.3	13.8	6.3	6.5	3,430	8,939	6.80
Class V.....	1,233	375	12.1	6.4	2.4	2.2	93	56,005	3.90	4.19	20	0.2	2.6	1.5	1.3	4,314	1,840	7.22
Class VI.....	425	40	10.9	0.7	0.3	0.3	79	6,710	3.13	3.95	...	...	...	...	...	...	...
Other farms.....	1,681	146	9.6	2.5	0.6	0.5	96	13,660	4.14	4.32	15	0.5	2.0	1.1	0.9	4,333	870	4.83
Area 3b.....	8,781	4,536	23.7	100.0	100.0	100.0	96	1,721,637	4.12	4.31	355	0.5	100.0	100.0	100.0	3,646	58,866	6.19
Commercial farms.....	8,026	4,461	23.8	98.3	99.5	99.6	96	1,714,872	4.12	4.32	350	0.5	98.6	94.2	97.6	3,518	56,866	6.13
Class I.....	184	120	23.4	2.6	9.3	6.3	140	156,697	5.92	4.22	11	0.8	3.1	12.9	10.0	4,729	7,097	7.49
Class II.....	1,531	1,146	30.0	25.3	38.4	39.2	94	678,899	4.14	4.43	124	0.8	34.9	40.1	45.5	3,212	23,219	5.37
Class III.....	2,577	1,664	23.3	36.7	33.9	34.6	92	573,231	3.97	4.33	120	0.4	33.8	24.4	24.3	3,515	14,215	6.15
Class IV.....	2,231	1,151	19.2	25.4	15.0	15.9	90	246,910	3.72	4.13	60	0.3	16.9	9.5	10.3	3,357	5,555	5.67
Class V.....	1,076	290	12.0	6.4	3.2	3.1	100	52,210	4.03	4.03	30	0.6	8.5	8.1	7.3	4,043	6,440	9.55
Class VI.....	425	90	11.4	2.0	0.4	0.9	87	6,925	3.67	4.22	5	0.2	1.4	0.2	0.3	2,800	1,440	5.60
Other farms.....	755	75	11.9	1.7	0.5	0.4	99	6,765										

USE OF FERTILIZER AND LIME

213

**Table 4.—USE AND EXPENDITURES FOR FERTILIZER AND LIME BY ECONOMIC CLASS OF FARM, BY ECONOMIC AREAS:
CENSUS OF 1954—Continued**

State, economic area, and economic class of farm	Total number of farms	Fertilizer										Lime						
		Farms reporting use of fertilizer	Acres fertilized as a percent of total cropland plus improved pasture	Percent distribution of—			Quantity used per acre fertilized (lb.)	Expenditures (dollars)			Farms reporting use of lime	Acres limed as a percent of total cropland plus improved pasture	Percent distribution of—		Quantity used per acre limed (lb.)	Expenditures (dollars)		
				Farms reporting fertilizer	Fertilizer used	Acres fertilized		For fertilizer	Per acre fertilized	Per cent. of fertilizer used			Farms reporting lime	Lime used		Acres limed	For lime	Per acre limed
Kansas—Continued																		
Areas 6 and B.....	16,801	8,784	29.2	100.0	100.0	100.0	144	3,530,942	6.10	4.23	1,680	2.0	100.0	100.0	100.0	4,053	241,650	5.97
Commercial farms.....	12,644	8,237	29.8	93.8	98.1	98.3	144	3,471,571	6.10	4.24	1,570	2.0	93.5	94.7	95.3	4,027	229,870	5.96
Class I.....	348	309	43.5	3.5	11.8	11.9	143	430,933	6.26	4.38	63	1.9	3.8	7.4	7.5	4,018	18,997	6.27
Class II.....	1,680	1,517	34.6	17.3	28.8	28.8	144	1,038,940	6.24	4.33	333	2.5	19.8	28.8	29.2	4,005	65,235	5.53
Class III.....	3,516	2,915	32.3	33.2	34.4	35.1	141	1,214,242	5.98	4.23	614	2.4	36.5	36.9	36.6	4,084	92,123	6.22
Class IV.....	3,447	2,166	23.3	24.7	16.5	16.0	148	568,391	6.14	4.34	370	1.7	22.0	16.1	16.3	4,017	38,990	5.92
Class V.....	2,557	1,100	16.4	12.5	5.8	5.6	151	191,470	5.93	3.93	150	0.9	8.9	4.4	4.5	3,880	11,140	6.05
Class VI.....	1,096	230	13.4	2.6	0.8	1.0	117	27,595	4.73	4.06	40	1.1	2.4	1.0	1.2	3,558	3,385	7.13
Other farms.....	4,157	547	12.8	6.2	1.9	1.7	164	59,371	6.06	3.68	110	2.5	6.5	5.3	4.7	4,584	11,780	6.20
Area 7a.....	13,297	8,519	32.5	100.0	100.0	100.0	139	3,043,631	5.57	4.01	1,890	2.7	100.0	100.0	100.0	4,128	245,936	5.35
Commercial farms.....	10,671	7,818	32.9	91.8	97.3	97.5	139	2,972,896	5.59	4.03	1,765	2.7	93.4	94.7	95.8	4,079	232,231	5.28
Class I.....	156	138	37.2	1.6	6.5	6.4	143	200,318	5.75	4.03	42	1.7	2.2	4.2	3.5	4,955	11,072	6.94
Class II.....	977	890	39.8	10.4	22.4	22.2	141	725,602	5.99	4.26	298	3.9	15.8	23.9	25.9	3,801	56,000	4.70
Class III.....	2,249	1,972	34.5	23.1	29.7	29.9	138	921,916	5.65	4.09	559	2.9	29.6	31.9	29.4	4,376	77,421	5.74
Class IV.....	3,238	2,657	31.5	31.2	24.9	25.7	135	735,050	5.24	3.89	540	2.7	28.6	26.0	26.1	4,109	64,575	5.39
Class V.....	2,801	1,746	26.6	20.5	11.8	11.7	141	341,335	5.35	3.81	261	1.8	13.8	7.9	9.2	3,533	18,423	4.34
Class VI.....	1,250	415	15.0	4.9	1.9	1.7	156	48,075	5.30	3.40	65	1.3	3.4	1.7	1.7	4,025	4,740	5.92
Other farms.....	2,626	701	21.3	8.2	2.7	2.5	149	70,735	5.08	3.41	125	2.9	6.6	5.3	4.2	5,258	13,705	7.16
Area 7b.....	10,594	6,552	46.0	100.0	100.0	100.0	130	2,701,067	4.79	3.67	1,346	2.7	100.0	100.0	100.0	4,486	191,733	5.87
Commercial farms.....	7,429	5,847	46.7	89.2	96.7	96.8	130	2,618,652	4.80	3.68	1,186	2.5	88.1	91.6	91.2	4,506	173,593	5.83
Class I.....	66	62	45.5	0.9	4.4	3.8	150	116,374	5.38	3.58	24	3.4	1.8	5.3	5.0	4,786	10,140	6.26
Class II.....	653	607	52.0	3.3	21.4	21.0	133	602,631	5.03	3.83	194	2.7	14.4	18.8	19.1	4,411	33,890	5.42
Class III.....	1,702	1,604	50.1	24.5	33.2	34.6	125	915,278	4.69	3.74	393	2.5	29.2	27.5	29.9	4,135	59,923	6.14
Class IV.....	2,155	1,892	47.2	28.9	24.9	25.1	129	671,702	4.74	3.67	360	2.7	26.7	28.6	24.7	5,189	48,080	5.96
Class V.....	1,928	1,262	36.0	19.3	10.6	10.3	134	257,067	4.41	3.29	160	1.9	11.9	9.0	9.3	4,329	16,595	5.46
Class VI.....	925	420	25.5	6.4	2.2	2.0	148	55,600	5.04	3.40	55	2.4	4.1	2.4	3.2	3,362	4,965	4.73
Other farms.....	3,170	705	31.5	10.8	3.3	3.2	134	82,415	4.56	3.41	160	5.0	11.9	8.4	8.8	4,272	18,140	6.33
Kentucky, total.....	193,446	142,400	25.9	100.0	100.0	100.0	402	27,586,147	9.96	2.48	27,956	5.5	100.0	100.0	100.0	3,649	3,074,354	5.18
Commercial farms.....	122, 84	107,617	27.7	75.6	92.5	91.5	407	25,598,119	10.10	2.49	23,656	5.9	84.6	92.1	91.3	3,683	2,828,327	5.22
Class I.....	839	754	35.8	0.5	5.4	5.8	373	1,543,760	9.66	2.59	441	8.0	1.6	6.5	6.5	3,691	178,231	4.64
Class II.....	4,683	4,336	32.0	3.0	12.4	12.6	398	3,564,768	10.24	2.57	2,047	8.0	7.3	14.6	14.7	3,618	486,297	5.56
Class III.....	14,810	13,689	28.8	9.6	20.5	19.7	417	5,821,598	10.65	2.55	4,723	6.5	16.9	21.7	20.8	3,508	637,863	5.16
Class IV.....	32,448	29,323	27.3	20.6	26.5	24.7	431	7,261,528	10.62	2.46	6,850	5.3	24.5	23.9	22.2	3,921	693,765	5.27
Class V.....	40,762	35,888	26.4	25.2	20.4	20.6	398	5,489,757	9.61	2.41	6,507	5.2	23.3	17.9	18.9	3,621	591,875	5.11
Class VI.....	29,242	23,627	21.1	16.6	7.3	8.1	364	1,916,748	8.56	2.35	3,088	4.6	11.0	7.5	8.2	3,354	260,296	5.37
Other farms.....	70,662	34,783	15.1	24.4	7.5	8.5	357	1,988,028	8.46	2.37	4,300	3.3	15.4	7.9	8.7	3,289	246,027	4.76
Area 1.....	13,071	8,723	30.0	100.0	100.0	100.0	245	1,632,061	6.27	2.56	2,988	7.2	100.0	100.0	100.0	3,336	354,756	5.72
Commercial farms.....	7,664	6,101	32.1	69.9	87.2	86.3	247	1,441,829	6.42	2.60	2,438	7.9	81.6	89.9	89.4	3,357	325,211	5.87
Class I.....	43	30	36.4	0.3	3.9	3.5	275	69,329	7.65	2.78	23	10.1	0.8	3.9	4.0	4,231	16,385	6.53
Class II.....	337	255	27.7	2.9	9.5	8.9	260	176,110	7.61	2.93	147	8.3	4.9	12.5	11.2	3,728	48,736	7.01
Class III.....	791	674	35.7	7.7	18.6	17.5	260	323,640	7.12	2.74	332	7.1	11.1	14.3	14.7	3,248	56,125	6.17
Class IV.....	1,832	1,531	34.9	17.6	24.8	24.6	247	393,650	6.15	2.49	716	7.4	24.0	23.1	22.0	3,501	82,100	6.02
Class V.....	2,731	2,296	67.7	26.3	22.7	23.5	236	362,015	5.91	2.50	830	16.7	27.8	23.8	24.4	3,248	77,415	5.11
Class VI.....	1,930	1,315	11.5	15.1	7.8	8.3	228	117,085	5.39	2.37	390	4.3	13.1	12.3	13.0	3,157	44,450	5.51
Other farms.....	5,407	2,622	21.2	30.1	12.8	13.7	228	190,232	5.33	2.34	550	3.9	18.4	10.1	10.6	3,165	29,545	4.48
Area 2.....	7,135	5,473	33.6	100.0	100.0	100.0	259	1,570,011	6.44	2.49	1,510	5.5	100.0	100.0	100.0	3,436	226,060	5.66
Commercial farms.....	5,603	4,726	34.4	86.4	96.7	96.8	259	1,529,180	6.44	2.49	1,374	5.6	91.0	96.6	96.3	3,445	217,230	5.65
Class I.....	97	88	42.0	1.6	10.5	10.3	263	185,340	7.37	2.80	55	6.7	3.6	10.0	10.1	3,400	20,297	5.05
Class II.....	425	405	37.6	7.4	24.0	21.8	285	366,044	6.89	2.42	178	6.0	11.8	22.1	21.3	3,565	60,975	7.18
Class III.....	901	820	35.5	15.0	24.4	23.4	276	385,966	6.77	2.56	366	6.6	24.2	28.7	26.5	3,728	60,785	5.75
Class IV.....	1,547	1,387	34.2	25.3	21.5	23.3	239	337,289	5.93	2.49	443	6.0	29.3	24.7	25.2	3,364	50,397	5.01
Class V.....	1,714	1,379	30.1	25.2	12.7	13.7	238	188,532	5.63	2.36	212	3.4	14.0	7.9	9.5	2,876	17,181	4.55
Class VI.....	919	647	22.2	11.8	3.6	4.2	222	56,015	5.44	2.45	120	3.3	7.9	3.2	3.8	2,869	7,595	4.96
Other farms.....	1,532	747	19.8	13.6	3.3	3.2	262	50,831	6.49	2.48	136	3.7	9.0	3.4	3.7	3,200	8,830	5.99
Area 3a.....	17,523	14,166	30.1	100.0	100.0	100.0	299	2,803,917	6.97	2.33	3,699	6.9	100.0	100.0	100.0	3,520	472,110	5.11
Commercial farms.....	11,030	10,064	31.9	71.0	87.8	86.9	302	2,468,341	7.06	2.34	2,893	7.4	78.2	88.9	87.7	3,570	422,905	5.22
Class I.....	49	34	36.8	0.2	2.7	1.9	425	80,065	10.61	2.50	31	13.2	0.8	3.3	2.9	3,908	15,248	5.64
Class II.....	257	249	35.4	1.8	8.3													

USE OF FERTILIZER AND LIME

215

**Table 4.—USE AND EXPENDITURES FOR FERTILIZER AND LIME BY ECONOMIC CLASS OF FARM, BY ECONOMIC AREAS.
CENSUS OF 1954—Continued**

State, economic area, and economic class of farm	Total number of farms	Fertilizer									Lime							
		Farms reporting use of fertilizer	Acres fertilized as a percent of total cropland plus improved pasture	Percent distribution of—			Quantity used per acre fertilized (lb.)	Expenditures (dollars)			Farms reporting use of lime	Acres limed as a percent of total cropland plus improved pasture	Percent distribution of—		Quantity used per acre limed (lb.)	Expenditures (dollars)		
				Farms reporting fertilizer	Fertilizer used	Acres fertilized		For fertilizer	Per acre fertilized	Per cent. of fertilizer used			Farms reporting lime	Lime used		Acres limed	For lime	Per acre limed
Louisiana—Continued																		
Area 4.....	14,615	8,642	35.3	100.0	100.0	100.0	288	1,396,252	8.01	2.78	343	2.3	100.0	100.0	100.0	1,885	59,023	5.17
Commercial farms.....	4,069	3,458	46.6	40.0	72.9	72.1	292	1,031,471	8.21	2.81	228	3.3	66.5	79.6	78.6	1,309	46,093	5.14
Class I.....	30	25	48.5	0.3	5.4	4.6	340	89,013	11.18	3.29	7	4.3	2.0	6.8	6.2	2,077	3,350	4.77
Class II.....	139	123	43.0	1.4	7.2	6.3	326	97,707	8.84	2.71	18	6.0	5.2	12.5	13.4	1,746	7,600	4.95
Class III.....	314	258	45.9	3.0	9.6	9.1	304	140,537	8.83	2.91	19	2.7	5.5	9.0	8.1	2,086	5,348	5.77
Class IV.....	598	516	54.3	6.0	17.5	17.5	289	253,896	8.32	2.88	76	4.9	22.2	21.3	24.0	1,670	11,828	4.31
Class V.....	1,130	942	56.4	10.9	18.4	18.5	287	251,160	7.78	2.71	52	3.8	15.2	22.2	18.8	2,774	13,137	6.11
Class VI.....	1,898	1,594	35.2	18.4	14.8	16.0	266	199,158	7.12	2.68	56	1.1	16.3	7.8	8.0	1,846	4,830	5.31
Other farms.....	10,546	5,184	21.7	60.0	27.1	27.9	280	364,781	7.49	2.67	115	1.1	33.5	20.4	21.4	1,800	12,930	5.29
Areas A and B.....	17,438	11,534	34.9	100.0	100.0	100.0	393	1,979,799	9.47	2.41	1,017	5.7	100.0	100.0	100.0	1,973	192,190	5.62
Commercial farms.....	6,844	5,854	36.5	50.8	78.2	74.2	414	1,538,032	9.41	2.39	751	6.4	73.8	81.4	79.7	2,013	157,143	5.76
Class I.....	82	64	36.2	0.1	12.6	13.5	367	247,456	8.77	2.39	17	3.1	1.7	7.3	7.1	2,031	13,296	5.47
Class II.....	407	334	32.1	2.9	10.7	11.2	378	215,746	9.24	2.44	107	8.0	10.5	19.1	16.9	2,230	33,257	5.74
Class III.....	1,049	846	41.3	7.4	17.2	15.0	451	328,375	10.46	3.22	273	10.7	26.8	21.3	23.8	1,764	46,732	5.74
Class IV.....	1,540	1,309	32.5	11.3	15.9	12.8	490	304,893	11.39	2.32	209	5.9	20.6	17.2	14.2	2,382	32,008	6.57
Class V.....	1,744	1,527	37.2	13.2	13.0	12.5	410	266,922	10.22	2.49	94	7.4	9.2	14.2	15.1	1,849	27,405	5.31
Class VI.....	2,022	1,774	42.4	15.4	8.7	9.3	368	174,640	9.03	2.45	51	1.9	5.0	2.3	2.5	1,757	4,445	5.14
Other farms.....	10,594	5,680	30.9	49.2	21.8	25.8	333	441,767	8.20	2.46	266	4.0	26.2	18.6	20.3	1,815	35,047	5.06
Area 6.....	8,222	4,896	53.6	100.0	100.0	100.0	182	2,630,245	7.28	4.00	75	0.4	100.0	100.0	100.0	1,575	10,521	4.34
Commercial farms.....	4,360	3,948	57.5	80.6	97.3	97.7	181	2,577,175	7.30	4.03	54	0.3	72.0	70.6	80.5	1,383	7,779	3.99
Class I.....	394	372	57.1	7.6	45.5	50.2	165	1,313,355	7.24	4.40	4	0.3	5.3	29.8	37.1	1,262	3,444	3.83
Class II.....	562	539	59.8	11.0	19.0	18.2	190	494,661	7.53	3.96	10	(2)	13.3	3.4	1.9	2,889	325	7.22
Class III.....	716	670	59.8	13.7	14.2	13.0	197	358,475	7.60	3.85	5	0.1	6.7	2.6	2.5	1,667	300	5.00
Class IV.....	994	949	67.6	19.4	10.3	9.5	197	234,127	6.83	3.46	20	1.2	26.7	17.8	24.8	1,133	1,950	3.25
Class V.....	1,005	887	44.5	18.1	6.3	5.0	229	135,287	7.48	3.27	15	0.8	20.0	17.0	14.2	1,884	1,760	5.10
Class VI.....	694	531	40.6	10.8	2.0	1.8	204	40,670	6.17	3.03	...	...	...	...	...	...	...	...
Other farms.....	3,862	948	13.6	19.4	2.7	2.3	212	53,070	6.41	3.03	21	0.8	28.0	29.4	19.5	2,368	2,742	5.80
Area 7.....	10,275	5,963	4.44	100.0	100.0	100.0	136	3,708,559	6.47	3.47	110	0.4	100.0	100.0	100.0	1,859	23,801	5.10
Commercial farms.....	6,286	5,166	46.6	86.6	98.1	98.7	185	3,654,518	6.46	3.49	85	0.4	77.3	89.7	91.8	1,818	22,111	5.16
Class I.....	789	472	13.2	13.2	51.4	50.0	192	1,966,394	6.87	3.58	19	0.2	17.3	32.2	30.3	1,979	7,909	5.60
Class II.....	1,244	1,180	54.2	14.8	27.2	30.2	168	1,027,974	5.94	3.53	18	0.2	16.4	12.4	14.8	1,565	4,287	6.21
Class III.....	967	827	44.3	13.9	8.6	9.3	172	308,556	5.81	3.38	31	1.7	28.2	43.0	43.2	1,851	9,520	4.72
Class IV.....	1,297	1,132	41.4	14.0	6.2	5.4	217	204,646	6.66	3.07	10	0.1	9.1	0.7	1.1	1,200	135	2.70
Class V.....	1,196	907	30.4	15.2	3.6	3.0	225	111,862	6.51	2.89	6	0.1	5.5	0.9	0.7	2,286	200	5.71
Class VI.....	769	331	11.4	5.6	1.1	0.9	229	35,086	6.79	2.96	1	0.2	0.9	0.5	1.7	525	60	0.75
Other farms.....	3,989	797	9.6	13.4	1.9	1.3	200	54,441	7.50	2.71	25	0.5	22.7	10.3	8.2	2,312	1,690	4.39
Area 8.....	7,318	4,164	26.1	100.0	100.0	100.0	297	685,360	8.19	2.76	145	1.9	100.0	100.0	100.0	2,085	38,667	6.33
Commercial farms.....	1,711	1,370	33.3	32.9	67.8	70.1	287	474,440	8.09	2.82	100	2.3	69.0	58.6	66.3	1,842	20,717	5.11
Class I.....	22	20	40.8	0.5	7.3	10.1	214	54,037	6.40	2.99	6	2.0	4.1	6.6	6.9	2,000	3,136	7.47
Class II.....	128	97	39.5	2.3	16.2	15.1	317	117,735	9.31	2.93	16	3.2	13.1	13.4	16.8	1,662	5,030	4.92
Class III.....	206	129	23.4	3.1	8.5	8.6	290	64,330	8.90	3.06	26	3.2	17.9	15.4	16.1	1,996	6,111	6.22
Class IV.....	179	162	40.6	3.9	10.0	9.0	330	63,850	8.50	2.57	18	2.8	12.4	9.5	8.6	2,305	1,440	2.74
Class V.....	445	346	29.7	8.3	14.0	15.0	278	93,028	7.41	2.67	15	0.8	10.3	7.5	5.7	2,743	2,450	7.00
Class VI.....	731	616	32.1	14.8	11.9	12.2	289	81,460	7.97	2.76	16	2.4	11.0	6.2	12.3	1,053	2,550	3.40
Other farms.....	5,607	2,794	17.4	67.1	32.2	29.9	319	210,920	8.43	2.64	45	1.4	31.0	41.4	33.7	2,564	17,950	8.73
Maine, total.....	23,371	10,602	19.0	100.0	100.0	100.0	1,372	10,238,765	41.35	3.01	3,509	4.3	100.0	100.0	100.0	1,452	240,370	4.31
Commercial farms.....	13,215	8,145	23.0	76.8	98.0	95.9	1,403	10,053,934	42.35	3.02	3,035	5.1	86.5	92.0	93.9	1,422	222,474	4.24
Class I.....	960	536	42.6	5.1	25.3	25.6	1,357	2,659,872	41.99	3.09	240	9.8	6.8	22.2	26.0	1,243	51,474	3.55
Class II.....	2,572	1,974	30.7	18.6	40.8	36.0	1,553	4,184,152	46.89	3.02	927	6.3	26.4	33.0	32.9	1,438	80,687	4.40
Class III.....	3,138	2,334	20.9	22.0	21.4	21.4	1,376	2,158,678	40.75	2.96	830	4.4	23.7	19.8	20.0	1,456	52,513	4.70
Class IV.....	2,959	1,816	11.8	17.1	7.8	8.7	1,222	780,342	36.12	2.95	654	3.1	18.6	11.6	10.2	1,655	24,837	4.35
Class V.....	2,238	984	6.9	9.3	2.1	3.0	952	209,748	28.18	2.96	267	1.8	7.6	3.8	3.4	1,617	4,835	4.43
Class VI.....	1,348	501	5.8	4.7	0.6	1.1	766	61,142	22.01	2.87	117	1.7	3.3	1.5	1.5	1,543	4,528	5.59
Other farms.....	10,156	2,457	3.8	23.2	2.0	4.1	650	184,831	18.08	2.78	474	1.3	13.5	8.0	6.1	1,918	17,896	5.27
Area 1.....	3,940	3,383	39.6	100.0	100.0	100.0	1,780	8,231,936	54.28	3.05	1,118	7.6	100.0	100.0	100.0	850	82,043	2.82
Commercial farms.....	3,515	3,323	40.9	98.2	99.8	99.7	1,782	8,219,081	54.34	3.05	1,093	7.8	97.8	99.5	99.4	851	81,438	2.82
Class I.....	319	308	57.3	9.1	27.8	31.6	1,565	2,339,018	48.74	3.11	131	12.7	11.7	29.0	36.5	675	23,606	2.22
Class II.....	1,165	1,159	41.1	34.3	42.4	39.8	1,900	3,486,538	57.80	3.04	447	7.6	40.0	42.2	38.3	937	34,657	3.11
Class III.....	1,100	1,065	34.6	31.5														

USE OF FERTILIZER AND LIME

Table 4.—USE AND EXPENDITURES FOR FERTILIZER AND LIME BY ECONOMIC CLASS OF FARM, BY ECONOMIC AREAS:
CENSUS OF 1954—Continued

State, economic area, and economic class of farm	Total number of farms	Fertilizer									Lime							
		Farms reporting use of fertilizer	Acres fertilized as a percent of total cropland plus improved pasture	Percent distribution of—			Quantity used per acre fertilized (lb.)	Expenditures (dollars)			Farms reporting use of lime	Acres limed as a percent of total cropland plus improved pasture	Percent distribution of—		Expenditures (dollars)			
				Farms reporting fertilizer	Fertilizer used	Acres fertilized		For fertilizer	Per acre fertilized	Per cent. of fertilizer used			Lime used	Acres limed	Quantity used per acre limed (lb.)	For lime	Per acre limed	
Maine—Continued																		
Areas 4 and A.....	6,763	2,263	10.1	100.0	100.0	100.0	611	603,241	17.60	2.88	850	3.0	100.0	100.0	100.0	2,322	57,128	5.69
Commercial farms.....	3,449	1,555	12.4	68.7	87.4	87.7	609	528,228	17.58	2.89	674	3.5	79.3	85.8	84.7	2,353	48,998	5.77
Class I.....	266	69	24.8	3.0	11.8	16.6	432	74,427	13.05	3.02	35	8.0	4.1	25.7	18.4	3,253	11,590	6.29
Class II.....	546	321	17.6	14.2	36.1	30.0	738	222,865	21.67	2.95	184	4.6	21.6	29.6	26.7	2,574	17,382	6.47
Class III.....	809	501	13.1	22.1	24.2	25.5	578	138,825	15.85	2.74	202	3.0	23.8	15.5	19.8	1,874	11,768	5.91
Class IV.....	772	336	6.7	14.8	9.8	9.3	643	60,095	18.83	2.63	151	2.6	17.8	10.0	12.3	1,886	5,795	4.71
Class V.....	614	176	4.4	7.8	3.2	3.8	508	17,130	13.20	2.60	46	1.2	5.4	2.6	3.5	1,743	1,465	4.19
Class VI.....	442	152	4.7	6.7	2.4	2.4	617	14,886	18.29	2.97	56	2.3	6.6	2.4	4.0	1,375	998	2.50
Other farms.....	3,314	708	4.4	31.3	12.6	12.3	624	75,013	17.75	2.85	176	1.6	20.7	14.2	15.3	2,151	8,130	5.28
Maryland, total.....																		
	32,483	24,439	52.6	100.0	100.0	100.0	444	12,849,050	10.79	2.43	9,097	10.2	100.0	100.0	100.0	1,900	1,849,989	8.02
Commercial farms.....	22,042	19,537	54.8	79.9	96.1	96.1	445	12,371,019	10.81	2.43	8,044	10.6	88.4	95.2	95.8	1,887	1,770,701	8.01
Class I.....	1,318	1,087	62.8	4.4	21.0	17.6	529	2,703,292	12.89	2.43	705	15.2	7.7	20.5	21.9	1,775	385,914	7.62
Class II.....	4,402	4,030	61.4	16.5	33.0	34.7	423	4,211,972	10.19	2.41	2,253	11.0	24.8	34.0	32.1	2,011	624,524	8.44
Class III.....	5,097	4,706	52.0	19.3	21.4	23.0	435	2,772,523	10.14	2.44	2,076	9.7	22.8	21.0	22.1	1,909	397,066	7.80
Class IV.....	5,024	4,601	49.1	18.8	12.9	12.9	444	1,699,162	11.06	2.49	1,623	8.6	17.8	11.8	11.7	1,902	229,810	8.49
Class V.....	4,078	3,551	41.0	14.5	6.2	6.2	446	787,865	10.73	2.40	1,046	8.7	11.5	6.4	6.7	1,815	110,075	7.09
Class VI.....	2,123	1,562	32.6	6.4	1.6	1.7	410	196,205	9.69	2.36	341	4.7	3.7	1.5	1.3	2,251	23,312	7.98
Other farms.....	10,441	4,902	2.66	20.1	3.9	3.9	442	478,031	10.17	2.30	1,053	5.4	11.6	4.8	4.2	2,199	79,288	8.26
Area 1.....																		
	2,304	1,426	25.7	100.0	100.0	100.0	358	272,187	8.90	2.48	614	7.0	100.0	100.0	100.0	3,183	72,088	8.60
Commercial farms.....	1,153	946	30.8	66.3	86.5	86.4	359	236,132	8.93	2.49	469	8.6	76.4	86.8	88.2	3,130	61,703	8.34
Class I.....	45	39	36.9	2.7	13.9	10.1	494	36,564	11.89	2.41	12	13.9	2.0	5.6	13.8	1,293	4,175	3.60
Class II.....	98	78	31.7	5.5	10.1	10.9	332	30,135	9.09	2.74	36	9.1	5.9	11.7	11.4	3,277	8,205	8.59
Class III.....	203	188	37.4	13.2	22.8	25.5	320	68,431	8.77	2.74	111	8.9	18.1	26.8	22.0	3,872	19,168	10.39
Class IV.....	231	191	31.1	13.4	17.6	15.7	400	43,372	9.01	2.25	115	10.1	18.7	20.8	18.7	3,541	13,185	8.40
Class V.....	291	225	24.4	15.8	13.6	15.2	315	35,050	7.41	2.36	125	7.6	20.4	16.9	17.5	3,072	12,830	8.76
Class VI.....	285	225	23.9	15.8	8.6	8.7	351	22,380	8.37	2.38	70	3.6	11.4	4.9	4.8	3,275	4,140	10.35
Other farms.....	1,151	480	12.5	33.7	13.5	13.6	354	36,055	8.67	2.45	145	3.0	23.6	13.2	11.8	3,584	10,385	10.54
Area 2.....																		
	9,726	7,393	51.1	100.0	100.0	100.0	374	3,052,962	8.56	2.29	2,966	9.7	100.0	100.0	100.0	2,208	554,764	8.19
Commercial farms.....	6,450	5,882	52.9	79.6	95.4	95.7	373	2,917,754	8.54	2.29	2,600	9.9	87.7	94.9	94.7	2,212	527,336	8.21
Class I.....	326	294	60.0	4.0	16.1	15.2	395	541,423	9.98	2.53	393	12.9	6.5	18.6	17.2	2,392	91,302	7.85
Class II.....	1,511	1,451	56.5	19.6	36.8	36.2	380	1,100,721	8.52	2.24	891	11.4	30.0	38.8	38.5	2,226	215,574	8.26
Class III.....	1,836	1,760	51.6	23.8	25.0	26.1	358	746,880	8.02	2.24	760	8.6	25.6	21.8	22.8	2,113	123,990	8.02
Class IV.....	1,242	1,152	47.0	15.6	10.5	10.9	358	318,135	8.16	2.28	431	7.6	14.5	8.5	9.3	2,032	57,390	9.15
Class V.....	955	825	44.4	11.2	5.4	5.7	359	163,320	8.06	2.25	245	8.5	8.3	6.0	5.7	2,317	32,530	8.39
Class VI.....	580	400	33.0	5.4	1.6	1.6	373	47,275	8.10	2.17	80	4.7	2.7	1.1	1.2	2,000	6,550	7.84
Other farms.....	3,276	1,511	28.5	20.4	4.6	4.3	404	135,208	8.88	2.20	366	6.7	12.3	5.1	5.3	2,129	27,428	7.68
Areas A and B.....																		
	6,758	4,790	41.9	100.0	100.0	100.0	513	2,092,931	12.46	2.43	1,847	11.5	100.0	100.0	100.0	1,723	329,875	7.13
Commercial farms.....	4,424	3,846	43.5	80.3	94.4	94.1	515	1,987,940	12.58	2.44	1,615	12.0	87.4	93.3	94.6	1,701	310,970	7.11
Class I.....	286	254	44.0	5.3	15.6	17.6	454	327,379	11.06	2.44	171	16.4	9.3	18.5	23.8	1,339	69,496	6.30
Class II.....	665	620	51.3	12.9	28.1	28.5	506	596,661	12.47	2.46	358	12.9	19.4	31.8	26.0	2,103	99,353	8.25
Class III.....	867	762	42.3	15.9	22.7	20.9	536	488,465	13.92	2.50	356	11.1	19.3	18.3	20.0	1,579	60,711	6.57
Class IV.....	1,230	1,100	40.0	23.0	17.7	17.0	536	367,380	12.87	2.41	375	9.3	20.3	15.0	14.4	1,787	51,740	7.76
Class V.....	910	765	36.8	16.0	7.9	7.8	516	157,530	12.00	2.32	265	11.3	14.3	7.0	8.7	1,734	24,485	6.06
Class VI.....	466	345	29.7	7.2	2.5	2.3	562	50,525	13.24	2.36	90	5.6	4.9	2.8	1.5	3,119	5,185	7.25
Other farms.....	2,334	944	26.8	19.7	5.6	5.9	481	104,991	10.56	2.20	232	6.8	12.6	6.7	5.4	2,125	18,905	7.55
Area 3.....																		
	4,128	3,555	43.4	100.0	100.0	100.0	572	1,142,038	14.48	2.53	730	5.8	100.0	100.0	100.0	1,862	104,490	9.94
Commercial farms.....	3,097	2,900	44.3	81.6	94.2	94.2	572	1,076,708	14.50	2.53	650	6.0	89.0	94.9	95.4	1,854	99,375	9.91
Class I.....	33	33	61.4	0.9	3.3	3.6	529	36,850	13.16	2.49	15	2.6	2.1	1.6	1.1	2,583	1,425	11.88
Class II.....	180	174	49.3	4.9	17.4	16.1	619	190,698	15.05	2.43	57	5.1	7.8	10.6	12.6	1,568	12,135	9.19
Class III.....	646	616	43.3	17.3	28.8	31.1	529	333,900	13.61	2.57	196	7.6	26.8	41.2	41.3	1,859	45,175	10.42
Class IV.....	1,048	982	46.7	27.6	27.2	27.1	575	311,450	14.59	2.54	197	5.7	27.0	24.5	24.9	1,833	25,285	9.65
Class V.....	985	940	41.7	26.4	16.4	15.3	614	190,870	15.83	2.58	170	5.3	23.3	15.5	14.5	1,987	13,745	9.01
Class VI.....	205	155	14.9	4.4	1.1	1.1	567	12,940	14.79	2.61	15	1.8	2.1	1.6	1.0	2,952	1,610	15.33
Other farms.....	1,031	655	32.5	18.4	5.8	5.8	575	65,330	14.30	2.49	80	3.4	11.0	5.1	4.6	2,041	5,115	10.55
Area 4a.....																		
	4,999	3,871	62.8	100.0	100.0	100.0	415	3,524,209	10.23	2.46	1,626	10.6	100.0	100.0	100.0	1,885	487,717	8.38
Commercial farms.....	3,619	3,241	64.2	83.7	98.4	98.3	415	3,469,569	10.24	2.47	1,536	10.9	94.5	98.2	98.6	1,877	480,182	8.37
Class I.....	236	200	68.3	5.2	22.8	20.6	579	777,132	13.78	2.38	122	14.0	7.5	19.9	20.0	1,880	100,466	8.66
Class II.....	1,169	1,078	68.8	27.8	42.1	44.6	392	1,459,742	9.50	2.42	622	10.7	38.3	45.0	41.2	2,057	220,505	9.19
Class III.....	918	868	62.1	22.4	20.8	23.6	366</											

USE OF FERTILIZER AND LIME

Table 4.—USE AND EXPENDITURES FOR FERTILIZER AND LIME BY ECONOMIC CLASS OF FARM, BY ECONOMIC AREAS: CENSUS OF 1954—Continued

State, economic area, and economic class of farm	Total number of farms	Fertilizer									Lime								
		Farms reporting use of fertilizer	Acres fertilized as a percent of total cropland plus improved pasture	Percent distribution of—			Quantity used per acre fertilized (lb.)	Expenditures (dollars)			Farms reporting use of lime	Acres limed as a percent of total cropland plus improved pasture	Percent distribution of—		Quantity used per acre limed (lb.)	Expenditures (dollars)			
				Farms reporting fertilizer	Fertilizer used	Acres fertilized		For fertilizer	Per acre fertilized	Per cent. of fertilizer used			Farms reporting lime	Lime used		Acres limed	For lime	Per acre limed	
Massachusetts—Continued																			
Area 1.....	2,628	1,352	20.4	100.0	100.0	100.0	786	635,338	24.60	3.13	421	3.4	100.0	100.0	100.0	2,638	26,314	6.04	
Commercial farms.....	1,546	978	22.3	72.3	94.0	91.6	807	593,335	25.10	3.11	328	3.6	77.9	87.3	86.5	2,661	22,468	5.96	
Class I.....	131	95	37.9	7.0	29.6	22.9	1,016	160,025	27.05	2.66	12	1.0	2.9	2.9	3.5	2,224	1,053	6.93	
Class II.....	383	317	28.0	23.4	35.4	36.8	754	228,747	24.04	3.19	156	4.9	37.1	39.3	38.1	2,723	11,380	6.86	
Class III.....	401	290	19.8	21.4	19.5	21.2	720	136,180	24.83	3.45	100	5.7	23.8	36.0	36.0	2,637	6,915	4.40	
Class IV.....	320	155	10.6	11.5	7.0	6.3	866	44,795	27.48	3.17	40	1.2	9.5	3.9	4.4	2,368	1,155	6.08	
Class V.....	175	80	11.3	5.9	1.9	3.3	440	16,825	19.68	4.47	20	2.6	4.8	5.1	4.6	2,950	1,965	9.82	
Class VI.....	136	41	4.3	3.0	0.8	0.9	647	6,763	28.06	4.34	...	...	...	...	...	...	...	...
Other farms.....	1,082	374	10.5	27.7	6.0	8.4	556	42,003	19.26	3.47	93	2.8	22.1	12.7	13.5	2,490	3,846	6.54	
Area A.....	3,008	1,887	39.3	100.0	100.0	100.0	992	1,307,700	33.34	3.36	727	9.0	100.0	100.0	100.0	2,265	77,980	8.64	
Commercial farms.....	1,802	1,376	43.1	72.9	94.2	92.1	1,016	1,244,829	34.47	3.39	562	9.3	77.3	88.2	86.4	2,311	69,535	8.92	
Class I.....	170	134	37.7	7.1	43.6	27.4	1,579	524,164	48.80	3.09	71	15.2	9.8	25.5	31.4	1,844	21,755	7.69	
Class II.....	332	262	53.9	13.9	20.2	26.1	771	296,230	28.99	3.76	136	10.8	18.7	29.1	22.8	2,891	21,710	10.56	
Class III.....	465	415	40.7	22.0	19.0	24.4	770	259,110	27.02	3.51	205	7.8	28.2	25.3	20.4	2,815	20,375	11.07	
Class IV.....	395	275	24.4	14.6	7.6	8.9	843	112,115	31.94	3.79	100	4.9	13.8	6.7	7.9	1,915	4,555	6.42	
Class V.....	350	230	29.3	12.2	3.5	4.7	735	49,425	26.72	3.63	45	5.6	6.2	1.5	3.9	873	1,125	3.17	
Class VI.....	90	60	10.5	3.2	0.3	0.5	650	3,785	18.92	2.91	5	0.3	0.7	(2)	0.1	2,000	15	3.00	
Other farms.....	1,206	511	19.4	27.1	5.8	7.9	721	62,871	20.17	2.80	165	7.7	22.7	11.8	13.6	1,967	8,445	6.87	
Area B.....	3,273	1,237	23.8	100.0	100.0	100.0	771	414,789	13.01	2.76	539	4.0	100.0	100.0	100.0	2,678	59,241	10.92	
Commercial farms.....	1,999	943	27.0	76.2	89.0	90.8	462	373,830	12.90	2.80	460	4.6	85.3	91.0	90.6	2,690	54,601	11.10	
Class I.....	205	135	41.0	10.9	33.6	33.9	468	141,230	13.08	2.80	94	5.5	17.4	30.0	26.6	3,019	18,836	13.05	
Class II.....	487	332	32.5	26.8	30.3	31.9	447	118,295	11.63	2.60	180	6.3	33.4	37.2	36.1	2,760	22,230	11.34	
Class III.....	437	216	18.8	17.5	13.3	14.1	447	62,575	13.95	3.12	71	2.9	13.2	11.4	12.8	2,378	6,480	9.34	
Class IV.....	375	130	14.8	10.5	7.2	7.1	475	34,255	15.12	3.18	75	3.4	13.9	8.3	9.5	2,350	5,000	9.71	
Class V.....	320	95	14.6	7.7	3.1	3.1	479	10,750	10.91	2.28	40	4.5	7.4	4.1	5.6	1,967	2,055	6.74	
Class VI.....	175	35	7.2	2.8	1.4	0.8	815	6,725	2,538	3.11	...	...	...	...	...	...	...	...
Other farms.....	1,274	294	10.8	23.8	11.0	9.2	568	40,959	14.03	2.47	79	1.9	14.7	9.0	9.4	2,569	4,640	9.10	
Area C.....	4,386	1,884	33.0	100.0	100.0	100.0	617	664,905	17.10	2.77	738	7.0	100.0	100.0	100.0	1,837	67,118	8.09	
Commercial farms.....	3,045	1,538	34.4	81.6	84.1	84.9	611	577,730	17.49	2.86	577	7.3	78.2	83.2	84.9	1,800	57,107	8.10	
Class I.....	344	197	45.0	10.5	24.5	22.5	671	164,105	18.74	2.79	92	8.3	12.5	23.2	19.5	2,105	15,472	9.56	
Class II.....	691	401	42.0	21.3	28.3	28.6	609	199,650	17.94	2.94	165	8.3	22.4	30.7	26.4	2,137	20,415	9.24	
Class III.....	710	415	31.8	22.0	18.5	18.7	611	127,530	17.55	2.87	160	7.5	21.7	17.0	20.7	1,517	12,460	7.32	
Class IV.....	570	235	19.9	12.5	6.7	8.0	516	44,570	14.31	2.77	80	7.4	10.8	8.7	14.0	1,147	6,670	5.75	
Class V.....	480	185	25.8	9.8	4.6	5.8	493	30,170	13.41	2.72	45	2.2	6.1	2.4	2.3	1,846	1,550	7.95	
Class VI.....	250	105	17.8	5.6	1.6	1.3	737	11,705	22.95	3.11	35	5.7	4.7	2.0	2.0	1,818	540	3.27	
Other farms.....	1,341	346	26.9	18.4	15.9	15.1	649	87,175	14.87	2.29	161	5.7	21.8	16.8	15.1	2,048	10,011	8.01	
Areas 2, D, and E.....	4,021	1,624	34.5	100.0	100.0	100.0	545	438,644	14.87	2.73	585	7.0	100.0	100.0	100.0	2,550	52,268	8.73	
Commercial farms.....	2,569	1,262	37.8	77.7	91.5	93.0	536	407,550	14.86	2.77	423	7.1	72.3	85.3	86.3	2,521	44,421	8.59	
Class I.....	250	166	48.5	10.2	34.4	35.6	528	147,100	14.02	2.66	72	11.9	12.3	27.6	43.2	1,632	12,110	4.68	
Class II.....	652	370	37.4	22.8	29.3	33.5	477	139,115	14.09	2.96	141	5.0	24.1	29.2	22.2	3,357	16,016	12.05	
Class III.....	485	245	38.5	15.1	15.7	12.0	711	67,925	19.13	2.69	80	7.4	13.7	15.0	11.4	3,368	10,505	15.45	
Class IV.....	507	226	27.0	13.9	7.1	7.1	546	31,645	15.21	2.79	65	6.5	3.2	11.1	6.0	4.2	3,680	3,350	13.40
Class V.....	450	200	20.7	12.3	4.0	4.2	522	16,655	13.60	2.60	50	4.7	8.5	7.2	4.7	3,929	2,300	8.21	
Class VI.....	225	55	13.3	3.4	1.1	0.7	800	5,110	23.23	2.90	15	3.7	2.6	0.3	0.8	889	140	3.11	
Other farms.....	1,452	362	15.9	22.3	8.5	7.0	661	31,094	15.08	2.28	162	6.3	27.7	14.7	13.7	2,735	7,847	9.58	
Michigan, total.....	138,943	98,755	41.6	100.0	100.0	100.0	251	32,832,859	7.25	2.89	13,653	2.1	100.0	100.0	100.0	3,913	1,542,826	6.86	
Commercial farms.....	98,161	81,041	64.4	82.1	94.7	94.8	250	31,163,156	7.26	2.90	12,078	2.2	88.5	94.0	93.3	3,943	1,437,722	6.85	
Class I.....	1,542	1,435	63.0	1.5	9.2	6.1	379	3,094,898	11.30	2.98	366	3.8	2.7	8.4	7.4	4,419	125,311	7.51	
Class II.....	10,831	10,423	57.5	10.6	26.6	25.4	262	8,983,736	7.81	2.98	2,148	2.5	15.7	22.1	22.4	3,871	371,686	7.39	
Class III.....	22,556	21,326	48.8	21.6	28.4	30.4	234	9,392,354	6.83	2.91	3,624	2.3	26.5	29.5	28.5	4,046	424,712	6.62	
Class IV.....	27,473	23,927	39.6	24.2	19.1	20.8	229	6,040,646	6.40	2.79	3,255	1.9	23.8	20.9	20.5	4,000	317,678	6.89	
Class V.....	26,029	19,078	29.0	19.3	9.9	10.4	237	3,128,037	6.64	2.80	2,285	1.8	16.7	11.6	12.9	3,520	176,040	6.05	
Class VI.....	9,730	4,852	19.0	4.9	1.7	1.7	239	523,485	6.62	2.78	400	0.9	2.9	1.5	1.6	3,577	22,295	6.08	
Other farms.....	40,782	17,714	19.1	17.9	5.3	5.2	297	1,669,703	7.15	2.78	1,575	1.2	11.5	6.0	6.7	3,499	105,104	7.01	
Area 1.....	3,832	1,243	9.2	100.0	100.0	100.0	349	177,765	9.47	2.71	477	2.5	100.0	100.0	100.0	4,828	30,030	5.93	
Commercial farms.....	2,218	912	10.5	73.4	85.7	87.3	343	153,075	9.34	2.73	352	2.6	73.8	81.3	80.5	4,874	24,870	6.10	
Class I.....	11	10	67.1	0.8	8.4	7.7	379	14,250	9.83	2.59	...	...	...	...	...	...	...	...
Class II.....	70	55	26.3	4.4	14.9	12.0	434	25,850	11.49	2.65	15	1.8	3.1	2.9	3.1	4,645	1,140	7.35	
Class III.....	205	134	13.5	10.8	16.0	17.4	322	29,560	9.06	2.81	76	3.4	15.9	16.0	16.3	4,739			

USE OF FERTILIZER AND LIME

Table 4.—USE AND EXPENDITURES FOR FERTILIZER AND LIME BY ECONOMIC CLASS OF FARM, BY ECONOMIC AREAS:
CENSUS OF 1954—Continued

State, economic area, and economic class of farm	Total number of farms	Fertilizer										Lime						
		Farms reporting use of fertilizer	Acres fertilized as a percent of total cropland plus improved pasture	Percent distribution of—			Quantity used per acre fertilized (lb.)	Expenditures (dollars)			Farms reporting use of lime	Acres limed as a percent of total cropland plus improved pasture	Percent distribution of—		Quantity used per acre limed (lb.)	Expenditures (dollars)		
				Farms reporting fertilizer used	Fertilizer used	Acres fertilized		For fertilizer	Per acre fertilized	Per cent. of fertilizer used			Farms reporting lime used	Lime used		Acres limed	For lime	Per acre limed
Michigan—Continued																		
Area 4a.....	10,046	5,662	19.7	100.0	100.0	100.0	283	1,351,056	8.42	2.98	1,406	2.5	100.0	100.0	100.0	3,382	110,069	5.50
Commercial farms.....	6,648	4,576	22.2	80.8	92.8	92.4	284	1,255,456	8.47	2.98	1,271	2.6	83.3	90.6	88.1	3,480	96,264	5.46
Class I.....	40	34	43.5	0.6	5.9	3.3	508	82,907	15.63	3.08	12	5.4	0.9	7.3	3.3	7,497	2,608	3.95
Class II.....	291	268	44.7	4.7	17.5	14.8	334	244,131	10.28	3.08	100	3.8	7.1	11.9	10.2	3,958	12,624	6.18
Class III.....	1,028	923	30.1	16.3	27.4	26.5	293	377,424	8.89	3.03	271	3.3	19.3	23.9	23.2	3,477	26,410	5.68
Class IV.....	1,820	1,508	23.2	26.6	24.4	27.9	248	328,209	7.33	2.96	367	2.4	26.1	23.5	23.5	3,385	26,785	5.70
Class V.....	2,394	1,423	13.1	25.1	15.3	16.7	259	194,720	7.27	2.80	376	2.4	26.7	20.3	24.4	2,814	24,102	4.93
Class VI.....	1,075	420	7.9	7.4	2.2	3.2	199	28,065	5.52	2.77	45	1.1	3.2	3.6	3.4	3,618	3,735	5.49
Other farms.....	3,398	1,086	8.4	19.2	7.2	7.6	267	95,600	7.81	2.92	235	1.6	16.7	9.4	11.9	2,657	13,805	5.78
Area 4b.....	8,195	4,286	18.7	100.0	100.0	100.0	244	785,836	6.61	2.72	396	1.0	100.0	100.0	100.0	3,496	39,997	6.27
Commercial farms.....	5,462	3,396	20.7	79.2	90.9	91.9	241	717,916	6.57	2.73	351	1.1	88.6	96.0	94.6	3,547	38,687	6.41
Class I.....	24	18	32.4	0.4	2.9	2.3	307	24,637	9.01	2.93	1	0.3	0.3	0.4	0.4	5,007	250	10.00
Class II.....	176	154	34.9	3.6	11.7	10.7	266	95,397	7.48	2.81	23	1.4	5.8	10.3	7.9	4,558	4,324	8.61
Class III.....	670	576	28.4	13.4	24.9	22.6	269	196,571	7.32	2.73	106	2.7	26.8	33.4	40.5	2,888	11,427	4.43
Class IV.....	1,448	1,075	22.4	25.1	28.0	31.8	215	213,450	5.65	2.63	107	0.8	27.0	24.5	22.2	3,866	10,713	7.57
Class V.....	1,954	1,128	14.2	26.3	17.7	18.7	231	138,331	6.24	2.71	94	0.8	23.7	24.9	20.4	4,260	10,113	7.77
Class VI.....	1,190	445	11.0	10.4	5.7	5.8	239	49,530	7.14	2.99	20	0.3	5.1	2.5	3.3	2,619	1,860	8.86
Other farms.....	2,733	890	9.0	20.8	9.1	8.1	272	67,920	7.05	2.59	45	0.3	11.4	4.0	5.4	2,609	1,310	3.80
Area 5a and A.....	15,441	12,079	51.3	100.0	100.0	100.0	246	4,279,163	6.87	2.79	730	0.9	100.0	100.0	100.0	3,104	70,755	6.31
Commercial farms.....	11,626	10,189	53.5	84.4	95.5	94.9	248	4,093,703	6.92	2.79	635	0.9	87.0	90.1	91.0	3,076	61,900	6.07
Class I.....	173	167	71.2	1.4	9.5	6.4	369	405,743	10.22	2.77	20	2.2	2.7	9.7	10.9	2,759	8,195	6.69
Class II.....	1,257	1,217	66.5	10.1	26.0	23.8	269	1,125,130	7.58	2.82	90	0.7	12.3	17.3	14.0	3,835	11,590	7.36
Class III.....	2,940	2,805	57.2	33.2	29.6	31.6	231	1,299,410	6.61	2.85	165	0.8	22.6	16.6	23.8	2,164	12,200	4.56
Class IV.....	3,451	3,180	47.6	26.3	19.7	21.8	224	827,445	6.10	2.73	220	1.1	30.1	26.2	27.4	2,971	18,405	6.00
Class V.....	2,940	2,325	37.5	19.2	9.0	9.8	228	375,910	6.17	2.70	125	0.9	17.1	19.0	13.0	4,543	10,080	6.93
Class VI.....	865	495	28.1	4.1	1.5	1.6	225	60,065	5.86	2.60	15	0.6	2.1	1.3	1.8	2,195	1,430	6.98
Other farms.....	3,815	1,890	29.0	15.6	4.5	5.1	221	185,460	5.88	2.66	95	0.9	13.0	9.9	9.0	3,389	8,855	8.72
Area 5b.....	11,429	10,104	56.7	100.0	100.0	100.0	239	4,475,226	6.88	2.88	311	0.4	100.0	100.0	100.0	3,526	31,375	7.16
Commercial farms.....	9,628	9,118	58.2	90.2	97.9	97.7	239	4,386,903	6.90	2.89	281	0.4	90.4	94.4	94.4	3,374	28,795	6.96
Class I.....	145	145	75.5	1.4	7.9	5.4	346	364,628	10.31	2.98	6	0.2	1.9	3.9	2.4	5,810	1,160	11.05
Class II.....	1,171	1,412	68.9	14.0	30.3	27.7	261	1,420,496	7.87	3.02	40	0.2	12.9	23.1	14.1	5,758	7,770	12.53
Class III.....	2,711	2,671	58.6	26.4	30.7	32.5	225	1,395,824	6.58	2.92	110	0.4	35.4	29.6	35.7	2,927	9,610	6.14
Class IV.....	2,815	2,760	52.5	27.3	19.5	22.2	210	826,295	5.72	2.73	95	0.5	30.5	26.1	32.3	2,848	7,550	5.34
Class V.....	1,930	1,750	45.5	17.3	8.3	8.7	229	338,875	5.99	2.62	30	0.3	9.6	7.6	9.9	2,713	2,705	6.22
Class VI.....	610	380	30.1	3.8	1.1	1.1	244	43,785	6.15	2.52	...	...	...	...	...	...	...	...
Other farms.....	1,801	986	27.6	9.8	2.1	2.3	221	88,323	5.91	2.67	30	0.5	9.6	9.6	5.6	6,082	2,580	10.53
Area 6a, B, and C.....	12,655	8,709	39.5	100.0	100.0	100.0	273	2,513,696	8.11	2.97	1,770	3.4	100.0	100.0	100.0	3,862	191,005	7.25
Commercial farms.....	8,754	7,248	43.0	83.2	94.3	94.5	272	2,375,115	8.11	2.98	1,610	3.6	91.0	94.1	93.5	3,886	178,280	7.24
Class I.....	168	148	64.4	1.7	10.6	6.5	447	287,935	14.30	3.20	65	5.4	3.7	6.5	6.4	3,953	15,360	9.12
Class II.....	1,005	940	51.1	10.8	23.9	22.8	286	609,380	8.63	3.02	340	4.8	19.2	24.9	25.2	3,804	50,730	7.63
Class III.....	1,996	1,890	46.9	21.7	26.5	28.8	251	673,745	7.55	3.00	455	3.8	25.7	27.5	27.5	3,862	46,835	6.46
Class IV.....	2,655	2,245	39.9	25.8	21.2	23.5	246	510,120	7.00	2.85	370	2.5	20.9	20.7	17.7	4,529	42,110	9.06
Class V.....	2,260	1,720	31.4	19.7	10.8	11.6	255	263,529	7.34	2.88	305	3.4	17.2	12.5	14.7	3,288	19,855	5.14
Class VI.....	670	305	16.5	3.5	1.3	1.3	269	30,410	7.42	2.76	75	2.2	4.2	2.0	2.0	3,738	3,390	6.34
Other farms.....	3,901	1,461	16.4	16.8	5.7	5.5	282	138,581	8.11	2.88	160	1.6	9.0	5.9	6.5	3,522	12,725	7.42
Area 6b.....	8,078	6,472	51.3	100.0	100.0	100.0	336	2,362,675	10.86	3.24	1,283	4.2	100.0	100.0	100.0	3,935	139,049	7.77
Commercial farms.....	5,353	4,817	55.2	74.4	93.8	93.7	336	2,220,300	10.88	3.24	1,103	4.5	86.0	94.5	93.7	3,969	131,454	7.83
Class I.....	195	180	65.3	2.9	13.5	9.3	485	329,508	16.26	3.35	58	6.7	4.5	10.9	11.7	3,682	18,864	9.01
Class II.....	693	682	64.5	10.5	27.8	27.1	344	670,017	11.35	3.30	255	5.0	19.9	26.6	25.4	4,128	42,845	9.43
Class III.....	1,105	1,075	59.2	16.6	25.3	27.5	309	599,080	10.01	3.24	330	4.8	25.7	30.4	27.1	4,419	36,300	7.49
Class IV.....	1,300	1,165	50.8	18.0	14.9	16.5	304	345,165	9.60	3.16	260	4.0	20.3	14.6	15.6	3,675	19,805	7.07
Class V.....	1,400	1,220	39.5	18.9	9.7	10.5	310	222,670	9.73	3.14	160	3.8	12.5	10.7	12.4	4,143	12,140	5.48
Class VI.....	660	485	34.9	7.5	2.6	2.8	310	53,860	8.93	2.88	40	1.6	3.1	1.2	1.6	3,071	1,500	5.36
Other farms.....	2,725	1,655	25.0	25.6	6.2	6.3	335	142,375	10.46	3.12	180	2.1	14.0	5.5	6.3	3,429	7,595	6.78
Area 7, D, and E.....	22,800	17,403	45.4	100.0	100.0	100.0	228	5,878,101	6.51	2.86	2,252	2.0	100.0	100.0	100.0	3,439	290,035	7.36
Commercial farms.....	16,582	14,540	46.9	83.5	94.2	94.6	227	5,558,842	6.50	2.87	2,088	2.0	92.7	93.8	94.3	3,420	271,941	7.32
Class I.....	157	140	57.6	0.8	5.4	3.3	372	312,053	10.50	2.82	37	3.3	1.6	5.4	4.3	4,275	16,071	9.45
Class II.....	2,360	2,305	53.6	13.2	31.2	30.1	237	1,923,929	7.08	2.99	521	2.5	23.1	29.5	31.5	3,218	9	

USE OF FERTILIZER AND LIME

Table 4.—USE AND EXPENDITURES FOR FERTILIZER AND LIME BY ECONOMIC CLASS OF FARM, BY ECONOMIC AREAS:
CENSUS OF 1954—Continued

State, economic area, and economic class of farm	Total number of farms	Fertilizer							Lime									
		Farms reporting use of fertilizer	Acres fertilized as a percent of total cropland plus improved pasture	Percent distribution of—			Quantity used per acre fertilized (lb.)	Expenditures (dollars)			Farms reporting use of lime	Acres limed as a percent of total cropland plus improved pasture	Percent distribution of—			Expenditures (dollars)		
				Farms reporting use of fertilizer	Fertilizer used	Acres fertilized		For fertilizer	Per acre fertilized	Per cwt. of fertilizer used			Farms reporting use of lime	Lime used	Acres limed	Quantity used per acre limed (lb.)	For lime	Per acre limed
Michigan—Continued																		
Areas 9b and G.....	11,203	7,710	41.3	100.0	100.0	241	2,995,387	7.36	3.06	2,381	4.7	100.0	100.0	100.0	5,387	341,934	7.38	
Commercial farms.....	7,641	6,223	43.8	80.7	94.9	240	2,841,532	7.35	3.06	2,116	5.0	98.9	96.5	95.6	5,438	325,864	7.36	
Class I.....	1,800	1,663	60.2	2.1	13.4	9.2	351	389,297	10.40	2.96	66	7.1	2.8	11.9	9.5	6,782	38,407	8.83
Class II.....	940	910	52.3	11.8	26.2	26.1	241	802,895	7.56	3.13	355	5.1	14.9	22.1	22.2	5,358	78,915	7.68
Class III.....	1,845	1,760	46.2	22.8	29.1	31.2	224	883,335	6.95	3.10	675	5.1	28.3	31.7	30.5	5,584	104,975	7.42
Class IV.....	2,131	1,765	38.1	22.9	16.3	18.4	214	480,560	6.41	3.00	625	5.1	26.2	20.5	21.8	5,052	65,760	6.51
Class V.....	1,885	1,350	30.3	17.5	8.7	9.0	233	253,775	6.92	2.97	350	4.1	14.7	9.2	10.7	4,648	34,230	6.94
Class VI.....	960	275	15.9	3.6	1.1	1.0	263	31,670	7.43	2.82	45	1.5	1.9	1.2	0.9	7,024	3,175	7.74
Other farms.....	3,562	1,487	19.8	19.3	5.1	5.0	248	153,855	7.60	3.06	265	2.0	11.1	3.5	4.4	4,282	16,070	7.82
Minnesota, total.....	165,324	74,717	18.6	100.0	100.0	151	23,202,508	5.54	3.66	12,149	0.9	100.0	100.0	100.0	3,908	994,664	5.05	
Commercial farms.....	146,527	72,466	18.8	97.0	98.9	99.1	151	22,975,308	5.54	3.66	11,580	0.9	94.9	97.2	96.3	3,947	960,039	5.07
Class I.....	2,450	2,450	41.1	3.3	14.3	12.9	168	3,390,590	6.29	3.74	291	1.0	2.4	7.0	6.5	4,244	69,307	5.45
Class II.....	3,008	17,719	25.5	23.7	37.6	36.2	157	8,913,140	5.88	3.73	2,326	0.9	19.1	31.1	28.0	4,341	305,472	5.54
Class III.....	23,503	17,719	17.0	36.0	39.4	31.9	144	6,952,023	5.21	3.61	4,246	0.9	34.8	35.4	35.0	3,944	340,382	4.93
Class IV.....	46,975	26,874	17.0	23.9	12.9	14.2	137	2,918,311	4.90	3.97	3,168	0.8	26.0	17.3	19.5	3,473	178,132	4.64
Class V.....	40,938	17,837	12.6	3.5	3.2	3.4	141	696,675	4.83	3.43	1,306	0.7	10.7	5.6	6.2	3,533	58,050	4.77
Class VI.....	23,103	6,314	9.1	1.7	0.5	0.5	153	110,609	4.99	3.26	243	0.5	2.0	0.8	1.1	2,952	8,606	4.02
Class VII.....	9,350	1,272	5.4	1.7	0.5	0.5	153	110,609	4.99	3.26	243	0.5	2.0	0.8	1.1	2,952	8,606	4.02
Other farms.....	18,797	2,251	7.6	3.0	1.1	0.9	190	227,200	6.16	3.25	619	1.5	5.1	2.8	3.7	2,921	34,625	4.72
Area 1.....	16,356	8,480	26.1	100.0	100.0	73	4,092,908	3.67	3.93	34	(2)	100.0	100.0	100.0	1,738	494	2.59	
Commercial farms.....	14,951	8,310	26.4	98.0	94.3	94.5	93	4,066,388	3.66	3.93	34	(2)	100.0	100.0	100.0	1,738	494	2.59
Class I.....	476	436	48.8	5.1	23.9	21.0	196	990,613	4.23	3.99	...	...	...	...	...	...	...
Class II.....	2,025	1,654	34.9	19.5	31.2	31.9	91	1,306,618	3.66	4.01	8	(2)	23.5	39.8	21.5	3,220	183	4.42
Class III.....	3,813	2,635	25.1	31.1	25.3	27.8	85	1,026,270	3.31	3.90	1	(2)	2.9	12.0	10.5	2,000	46	2.30
Class IV.....	4,743	2,515	16.4	29.7	14.6	14.7	93	579,533	3.54	3.81	10	(2)	29.4	21.1	34.0	1,077	140	2.15
Class V.....	2,812	898	10.1	10.6	6.8	3.6	190	145,830	3.64	3.65	10	(2)	29.4	6.0	7.9	1,333	55	3.67
Class VI.....	1,032	170	6.7	2.0	0.8	0.5	104	23,554	3.97	3.84	5	0.1	14.7	21.1	26.2	1,400	70	1.40
Other farms.....	1,405	170	9.9	2.0	0.7	0.5	111	26,520	4.34	3.90	...	...	...	...	...	...	...
Area 2 and A.....	17,296	3,188	5.7	107.0	100.0	180	374,397	5.99	3.34	1,477	1.2	100.0	100.0	100.0	3,258	76,387	6.08	
Commercial farms.....	10,545	2,606	6.5	81.7	90.7	92.4	175	341,613	5.88	3.36	1,031	1.2	86.7	85.6	87.1	3,203	65,457	5.99
Class I.....	63	17	14.9	0.5	2.0	1.9	190	7,515	6.50	3.42	10	2.8	6.8	2.4	1.8	4,545	1,835	8.34
Class II.....	191	113	20.4	3.5	13.6	15.0	163	54,835	5.35	3.59	31	1.4	2.4	7.6	5.3	4,647	6,500	9.77
Class III.....	818	417	11.3	13.1	18.4	23.0	142	71,759	4.99	3.50	151	1.3	11.8	15.7	12.8	4,012	11,970	7.46
Class IV.....	2,882	1,009	6.1	31.6	31.9	29.2	196	122,744	6.72	3.43	407	1.6	31.9	31.5	37.7	2,722	26,367	5.57
Class V.....	4,370	830	4.1	26.0	21.1	20.4	185	69,710	5.45	2.95	366	1.0	29.7	24.2	25.0	3,146	15,725	5.01
Class VI.....	2,221	220	2.1	6.9	3.9	3.4	210	15,050	7.18	3.42	66	0.6	5.2	4.2	4.5	3,027	3,060	5.42
Other farms.....	6,751	582	2.2	18.3	9.4	7.1	234	32,784	7.36	3.14	246	0.8	19.3	14.4	12.9	3,625	10,930	6.73
Area 3.....	16,268	5,032	10.7	100.0	100.0	127	773,018	4.45	3.50	205	0.2	100.0	100.0	100.0	2,357	18,495	6.68	
Commercial farms.....	14,437	4,941	10.1	97.2	97.2	98.5	126	756,639	4.42	3.52	185	0.1	90.2	83.0	86.3	2,268	14,615	6.12
Class I.....	37	5	30.0	1.1	3.7	4.4	105	32,692	4.23	4.02	...	...	...	...	...	...	...
Class II.....	548	419	20.8	8.3	18.6	18.2	130	150,630	4.77	3.67	15	0.3	7.3	15.6	14.8	2,488	2,115	5.16
Class III.....	2,820	1,435	11.6	28.5	32.0	33.5	121	251,077	4.32	3.56	45	0.1	22.0	29.1	22.0	3,115	3,720	6.10
Class IV.....	5,471	2,140	8.8	42.5	33.5	32.9	130	253,180	4.44	3.42	85	0.2	41.5	33.4	38.1	2,066	7,220	6.84
Class V.....	3,906	726	5.3	14.4	8.1	8.7	118	63,050	4.17	3.53	30	0.1	14.6	3.8	10.6	847	1,305	4.42
Class VI.....	1,585	115	1.9	2.3	1.4	0.8	215	6,010	4.20	1.95	10	(2)	4.9	1.1	0.7	500	255	12.75
Other farms.....	1,831	141	5.8	2.8	1.8	1.5	232	16,379	6.22	2.69	20	0.8	9.8	17.0	13.7	2,921	3,880	10.21
Area 4.....	13,911	8,021	19.3	100.0	100.0	161	1,238,526	5.71	3.55	2,632	2.5	100.0	100.0	100.0	3,293	125,141	4.53	
Commercial farms.....	11,783	7,494	19.9	93.4	96.6	96.5	161	1,198,858	5.73	3.55	2,457	2.5	93.4	95.2	93.6	3,349	118,996	4.60
Class I.....	33	18	28.4	0.2	1.5	0.8	304	17,965	10.28	3.51	10	3.0	1.4	0.8	0.6	4,171	825	4.71
Class II.....	322	270	32.9	3.4	11.8	10.5	182	149,449	6.98	3.62	158	3.7	6.0	10.4	9.3	3,675	14,982	5.84
Class III.....	2,041	1,816	25.7	22.6	32.8	33.3	159	403,134	5.59	3.52	698	3.0	26.5	32.1	30.7	3,490	39,296	4.63
Class IV.....	4,716	3,445	19.7	42.9	36.8	38.5	153	470,285	5.64	3.68	1,085	2.5	41.2	36.8	38.5	3,145	48,250	4.93
Class V.....	3,525	1,650	11.3	20.6	12.0	11.6	166	134,790	5.36	3.23	425	1.5	16.1	12.9	12.0	3,542	13,235	3.56
Class VI.....	1,146	295	8.3	3.7	1.9	1.9	161	23,235	5.52	3.44	81	1.3	3.1	2.2	2.4	3,003	2,408	3.57
Other farms.....	2,128	527	10.4	6.6	3.4	3.5	158	39,668	5.28	3.33	175	2.5	6.6	4.8	6.4	2,486	6,145	3.47
Area 5.....	21,871	9,813	12.7	100.0	100.0	169	3,387,991	6.42	3.79	70	(2)	100.0	100.0	100.0	2,419	2,550	4.86	
Commercial farms.....	21,130	9,757	12.7	99.4	99.7	99.7	169	3,378,846	6.42	3.79	70	(2)	100.0	100.0	100.0	2,419	2,550	4.86
Class I.....	457	355	29.1	3.6	11.3	10.2	178	400,096	7.04	3.95	5	(2)	7.1	1.6	1.0	4,000	30	6.00
Class II.....	4,816	3,239	16.4	33.0	44.3	43.2	173	1,541,305	6.75	3.89	20	(2)	28.6	20.5	17.1	2,889	890	9.89
Class III.....	8,690	4,252	10.5	43.3	33.2	3												

USE OF FERTILIZER AND LIME

Table 4.—USE AND EXPENDITURES FOR FERTILIZER AND LIME BY ECONOMIC CLASS OF FARM, BY ECONOMIC AREAS: CENSUS OF 1954—Continued

State, economic area, and economic class of farm	Total number of farms	Fertilizer							Lime									
		Farms reporting use of fertilizer	Acres fertilized as a percent of total cropland plus improved pasture	Percent distribution of—			Quantity used per acre fertilized (lb.)	Expenditures (dollars)			Farms reporting use of lime	Acres limed as a percent of total cropland plus improved pasture	Percent distribution of—		Expenditures (dollars)			
				Farms reporting fertilizer	Fertilizer used	Acres fertilized		For fertilizer	Per acre fertilized	Per cent. of fertilizer used			Farms reporting lime	Lime used	Acres limed	For lime	Per acre limed	
Minnesota—Continued																		
Area 8.....	20,862	12,069	21.2	100.0	100.0	100.0	168	4,623,126	6.08	3.61	96	0.1	100.0	100.0	100.0	3,470	26,504	8.53
Commercial farms.....	20,187	12,049	21.2	99.8	100.0	100.0	168	4,621,511	6.08	3.61	91	0.1	94.8	99.9	99.7	3,478	26,489	8.55
Class I.....	892	777	37.1	6.4	16.7	14.1	200	766,310	7.15	3.58	16	0.4	16.7	32.6	37.7	2,997	5,454	4.65
Class II.....	6,194	4,757	24.9	33.4	46.9	46.4	170	2,215,291	6.27	3.69	30	(Z)	31.2	10.8	9.8	3,836	2,990	9.15
Class III.....	8,210	4,705	17.1	39.0	28.4	30.6	157	1,275,000	5.48	3.50	30	0.1	31.2	52.6	44.7	4,079	16,390	11.79
Class IV.....	3,446	1,440	13.5	11.9	6.6	7.4	150	302,875	5.36	3.57	15	0.1	15.6	3.9	7.4	1,826	1,855	8.07
Class V.....	1,060	300	11.5	2.5	1.1	1.2	154	53,485	5.84	3.80	15	...	...	...	...	...	...	...
Class VI.....	425	70	11.8	0.6	0.2	0.2	154	8,550	5.39	3.50	...	...	...	...	...	...	...	...
Other farms.....	675	20	9.0	0.2	(Z)	(Z)	117	1,615	4.49	3.85	5	0.3	5.2	0.1	0.3	1,000	15	1.50
Mississippi, total.....	215,887	180,449	51.7	100.0	100.0	100.0	318	40,773,991	9.16	2.88	6,372	2.5	100.0	100.0	100.0	1,710	1,007,228	4.65
Commercial farms.....	148,522	138,241	53.9	76.6	80.2	90.0	315	36,872,610	9.21	2.92	4,924	2.6	77.3	89.9	89.0	1,727	900,575	4.67
Class I.....	1,692	1,587	50.9	0.9	12.3	15.7	249	6,000,374	8.58	3.45	234	3.0	3.7	24.0	18.8	2,181	221,698	5.43
Class II.....	3,121	2,820	42.7	1.6	8.0	8.7	294	3,584,806	9.26	3.15	436	4.0	6.8	16.2	16.6	1,671	154,667	4.31
Class III.....	7,849	7,406	48.1	4.1	9.9	9.6	329	4,034,831	9.48	2.88	776	3.8	12.2	15.8	15.6	1,730	163,636	4.85
Class IV.....	30,437	28,841	59.0	16.0	20.4	19.6	332	8,338,707	9.57	2.89	1,356	2.7	21.3	16.6	18.4	1,545	177,259	4.45
Class V.....	62,168	58,549	60.8	32.4	26.5	25.0	337	10,439,267	9.39	2.73	1,408	1.6	22.1	12.5	13.8	1,546	134,331	3.48
Class VI.....	43,250	39,029	52.9	21.6	12.1	11.5	336	4,474,625	8.76	2.61	714	1.3	11.2	4.8	5.8	1,411	48,984	3.89
Other farms.....	67,365	42,208	37.9	23.4	10.8	10.0	344	3,901,381	8.78	2.55	1,448	2.0	22.7	10.1	11.0	1,578	106,653	4.48
Area 1.....	44,540	41,244	58.5	100.0	100.0	100.0	216	12,074,680	8.98	4.16	365	1.5	100.0	100.0	100.0	2,238	198,733	5.67
Commercial farms.....	42,101	39,675	58.7	96.2	98.4	98.2	216	11,882,295	8.99	4.16	355	1.5	97.3	99.2	99.4	2,234	197,208	5.66
Class I.....	1,068	1,041	52.5	2.5	33.6	36.9	196	4,127,660	8.31	4.24	103	2.4	28.2	64.8	64.3	2,255	131,500	5.84
Class II.....	1,147	1,091	48.4	2.6	12.2	12.3	213	1,519,110	9.16	3.30	46	2.0	12.6	19.7	19.3	2,292	36,536	5.41
Class III.....	2,731	2,609	54.2	6.3	10.0	9.5	227	1,177,373	9.22	4.06	35	1.0	9.6	7.8	7.0	2,491	13,753	5.57
Class IV.....	11,326	10,764	69.9	26.1	19.4	18.3	228	2,304,967	9.36	4.10	61	0.5	16.7	4.1	5.5	1,682	9,269	4.85
Class V.....	19,316	18,200	77.4	42.1	19.6	17.8	238	2,312,625	9.69	4.06	75	0.3	20.5	2.1	2.6	1,802	4,980	5.47
Class VI.....	6,513	5,970	69.8	14.5	3.7	3.4	236	440,560	9.63	4.08	35	0.4	9.6	0.7	0.7	2,000	1,170	7.40
Other farms.....	2,439	1,569	49.5	3.8	1.6	1.8	195	192,385	8.09	4.18	10	0.4	2.7	0.8	0.6	2,976	1,525	7.44
Area 2.....	33,594	28,249	45.7	100.0	100.0	100.0	342	6,647,873	9.68	2.83	821	2.9	100.0	100.0	100.0	1,691	190,285	4.41
Commercial farms.....	27,365	25,286	47.5	89.5	95.8	95.5	343	6,388,635	9.74	2.84	725	2.9	87.8	94.0	93.6	1,698	178,072	4.41
Class I.....	245	243	48.6	0.9	12.2	14.2	293	963,868	9.86	3.37	51	3.8	6.2	24.0	17.7	2,293	42,477	5.55
Class II.....	624	592	36.6	2.1	11.2	10.8	354	742,493	10.00	2.82	123	5.4	14.9	19.4	25.3	1,299	39,301	3.60
Class III.....	1,382	1,324	42.6	4.7	11.2	11.3	339	735,417	9.48	2.80	134	5.0	16.2	24.7	21.0	1,989	43,572	4.81
Class IV.....	5,930	5,631	55.0	19.9	23.5	22.6	355	1,526,953	9.84	2.77	194	2.4	23.5	13.7	15.4	1,502	29,673	4.46
Class V.....	12,186	11,320	51.9	40.1	27.9	26.3	362	1,803,316	9.97	2.75	156	1.0	18.9	6.9	8.2	1,423	14,569	4.10
Class VI.....	6,992	6,176	43.2	21.9	9.8	10.2	325	616,098	8.75	2.69	67	1.6	8.1	5.2	5.9	1,485	8,480	3.31
Other farms.....	6,229	2,963	24.9	10.5	4.2	4.5	323	259,238	8.40	2.60	101	2.2	12.2	6.0	6.4	1,583	12,213	4.39
Area 3 and A.....	23,392	17,826	38.6	100.0	100.0	100.0	346	3,436,572	9.08	2.62	929	3.0	100.0	100.0	100.0	1,419	137,702	4.65
Commercial farms.....	13,196	11,785	41.2	66.1	85.2	85.6	345	2,950,381	9.10	2.64	715	3.4	77.0	91.2	90.0	1,437	123,857	4.65
Class I.....	51	48	35.0	0.3	5.0	5.5	316	167,094	8.01	2.53	11	3.5	1.2	6.1	7.1	1,227	7,448	3.55
Class II.....	273	249	35.4	1.4	9.4	10.5	312	347,984	8.79	2.82	67	4.9	7.2	17.1	18.6	1,299	21,187	3.84
Class III.....	638	622	39.7	3.5	12.3	11.6	366	418,333	9.52	2.60	143	4.2	15.4	15.4	15.7	1,392	21,980	4.75
Class IV.....	1,914	1,749	40.1	9.8	18.3	17.5	362	625,548	9.42	2.60	226	5.3	24.3	32.6	29.9	1,548	45,138	5.11
Class V.....	4,812	4,376	46.3	24.5	24.7	24.9	343	858,108	9.10	2.65	122	2.2	19.6	15.0	14.9	1,426	23,015	5.22
Class VI.....	5,508	4,741	43.5	26.6	15.5	15.6	344	532,714	9.01	2.62	86	0.8	9.3	5.0	3.9	1,851	5,089	4.45
Other farms.....	10,196	6,041	28.0	33.9	14.8	14.4	356	486,191	8.93	2.61	214	1.5	23.0	8.8	10.0	1,259	13,845	4.70
Area 4.....	23,858	19,639	56.3	100.0	100.0	100.0	379	3,991,916	9.36	2.47	870	2.1	100.0	100.0	100.0	1,545	60,400	3.86
Commercial farms.....	16,572	15,778	59.1	80.3	91.6	91.1	381	3,666,653	9.43	2.47	734	2.0	84.4	84.7	85.2	1,536	50,961	3.82
Class I.....	22	17	55.4	0.1	0.9	0.9	352	29,972	7.48	2.12	11	4.5	1.3	2.6	2.1	1,938	1,045	3.22
Class II.....	126	94	39.1	0.5	1.9	1.9	367	73,342	8.90	2.48	18	6.4	2.1	8.4	8.7	1,488	3,817	2.80
Class III.....	847	815	54.6	4.1	10.8	10.7	381	454,192	9.92	2.60	119	4.8	13.7	22.3	25.6	1,708	19,390	4.84
Class IV.....	3,587	3,456	62.1	17.6	28.3	27.2	395	1,186,855	10.24	2.59	209	2.3	23.3	21.3	22.2	1,478	11,238	3.23
Class V.....	6,930	6,717	63.5	34.2	35.3	35.4	378	1,373,482	9.09	2.41	282	1.3	32.4	20.1	20.2	1,537	11,891	3.76
Class VI.....	5,090	4,679	52.6	23.8	14.5	14.9	369	548,210	8.63	2.34	101	0.8	11.6	4.0	6.3	974	3,580	3.62
Other farms.....	7,286	3,861	37.8	19.7	8.4	8.9	358	325,163	8.56	2.39	136	2.3	15.6	15.3	14.8	1,595	9,439	4.07
Area 5.....	19,224	14,029	39.4	100.0	100.0	100.0	336	2,651,508	8.10	2.41	330	1.6	100.0	100.0	100.0	2,018	52,316	3.88
Commercial farms.....	12,725	10,812	40.6	77.1	90.3	89.8	337	2,384,874	8.11	2.40	257	1.7	77.9	88.5	92.1	1,939	47,571	3.83
Class I.....	80	76	39.8	0.5	9.9	8.6	385	208,344	7.42	1.92	21	4.2	6.4	28.4	22.2	2,584	14,388	4.81
Class II.....	266	227	29.9	1.6	9.2	10.1	306	270,660	8.16	2.67	43	3.2	13.0	25.6	26.0	1,989	11,665	3.33
Class III.....	654	568	32.3	4.0	10.4	10.4	337	289,122	8.50	2.52	25	1.2	7.6	5.9	9.5	1,248	3,002	2.34

USE OF FERTILIZER AND LIME

Table 4.—USE AND EXPENDITURES FOR FERTILIZER AND LIME BY ECONOMIC CLASS OF FARM, BY ECONOMIC AREAS: CENSUS OF 1954—Continued

State, economic area, and economic class of farm	Total number of farms	Fertilizer							Lime									
		Farms reporting use of fertilizer	Acres fertilized as a percent of total cropland plus improved pasture	Percent distribution of—		Quantity used per acre fertilized (lb.)	Expenditures (dollars)			Farms reporting use of lime	Acres limed as a percent of total cropland plus improved pasture	Percent distribution of—		Quantity used per acre limed (lb.)	Expenditures (dollars)			
				Farms reporting use of fertilizer	Fertilizer used		Acres fertilized	For fertilizer	Per acre fertilized			Per cent. of fertilizer used	Farms reporting use of lime		Lime used	Acres limed	For lime	Per acre limed
Mississippi—Continued																		
Area 7.....	2,783	6,946	61.1	100.0	100.0	100.0	434	1,394,302	9.18	2.12	482	5.1	100.0	100.0	1,474	83,469	4.89	
Commercial farms.....	2,816	2,620	67.0	37.7	79.7	74.5	458	1,444,677	9.39	2.05	320	5.9	66.4	84.4	79.1	1,572	68,402	5.02
Class I.....	29	104	66.3	0.3	25.4	18.3	603	345,811	9.27	1.54	8	3.6	1.7	15.7	12.1	1,919	10,990	5.24
Class II.....	121	254	68.2	1.5	9.8	9.9	426	192,857	9.40	2.21	18	3.6	3.7	7.3	6.9	1,550	5,990	4.91
Class III.....	275	474	70.4	3.7	10.0	8.5	513	192,540	10.98	2.14	65	12.1	13.5	18.9	18.3	1,524	19,148	6.14
Class IV.....	512	474	70.4	6.9	11.6	12.2	410	244,572	9.69	2.36	80	7.1	16.6	13.4	14.8	1,324	11,739	4.63
Class V.....	952	911	70.5	13.1	14.5	16.5	392	313,021	9.22	2.41	78	7.4	16.2	25.2	20.8	1,789	16,438	4.64
Class VI.....	927	858	62.0	12.4	7.4	9.1	351	151,876	8.08	2.30	71	3.5	14.7	3.9	6.3	916	4,495	4.30
Other farms.....	5,967	4,326	48.6	62.3	21.3	25.5	362	449,625	8.56	2.36	162	3.3	33.6	15.6	20.9	1,099	14,967	4.12
Area 8.....	2,967	1,866	45.9	100.0	100.0	100.0	435	352,245	10.04	2.31	187	3.7	100.0	100.0	100.0	1,621	16,934	6.04
Commercial farms.....	664	543	49.8	29.1	65.3	61.4	462	226,112	10.49	2.27	104	4.6	55.6	70.3	73.4	1,552	12,420	6.03
Class I.....	3	3	11.5	0.2	3.9	2.2	783	13,760	17.89	2.29	2	4.0	1.1	9.7	3.6	1,630	1,550	5.74
Class II.....	31	26	59.9	1.4	9.5	8.4	494	30,366	10.33	2.09	8	6.8	4.3	8.1	11.9	1,102	1,121	3.36
Class III.....	78	77	56.8	4.1	15.2	13.6	469	52,923	11.06	2.27	23	3.9	12.3	16.8	11.6	2,357	3,321	10.22
Class IV.....	197	145	55.6	7.8	15.9	14.8	469	55,804	10.77	2.29	32	4.3	17.1	12.1	14.4	1,356	2,323	5.75
Class V.....	193	166	56.9	8.9	16.4	18.4	397	59,444	9.05	2.34	19	2.7	10.2	15.9	10.9	2,367	2,470	8.10
Class VI.....	162	126	39.0	6.9	4.3	4.1	460	14,865	10.42	2.27	20	11.5	10.7	7.7	15.0	833	1,635	3.89
Other farms.....	2,303	1,323	42.1	70.9	34.7	39.6	391	126,133	9.32	2.38	83	2.3	44.4	29.7	26.6	1,910	4,514	6.04
Missouri, total.....	201,680	113,418	33.5	100.0	100.0	100.0	220	44,794,525	7.32	3.32	31,195	3.7	100.0	100.0	100.0	4,299	4,383,164	6.49
Commercial farms.....	140,307	98,473	35.2	86.8	95.9	96.1	220	43,235,522	7.35	3.34	28,346	3.8	90.9	95.4	95.1	4,312	4,183,018	6.51
Class I.....	2,581	2,308	38.7	1.9	7.4	8.2	253	4,582,723	9.14	3.61	1,031	5.2	3.3	9.8	9.9	4,260	457,003	6.81
Class II.....	12,719	11,105	39.9	9.9	22.0	20.7	234	10,439,789	8.24	3.52	4,448	4.6	14.3	21.9	21.8	4,320	36,730	6.65
Class III.....	28,307	23,676	38.0	20.9	29.1	28.4	217	12,945,657	7.41	3.41	5,331	4.1	26.7	28.4	28.1	4,347	1,242,563	6.51
Class IV.....	37,062	28,371	34.9	25.0	21.5	22.8	208	3,234,866	6.62	3.19	7,586	3.2	24.3	19.8	19.2	4,437	837,571	6.47
Class V.....	36,590	23,267	29.2	20.5	11.7	12.4	208	4,788,186	6.31	3.03	5,198	3.1	16.7	11.9	12.1	4,240	513,644	6.29
Class VI.....	23,049	9,846	20.2	8.7	3.2	3.5	200	1,247,501	5.84	2.92	1,752	2.6	5.6	3.5	4.0	3,767	156,556	5.74
Other farms.....	61,373	14,945	15.7	13.2	4.1	3.9	229	1,558,903	6.27	2.23	2,949	2.2	9.1	4.6	4.9	4,056	200,146	6.04
Areas 1 and A.....	23,672	10,864	25.3	100.0	100.0	100.0	213	5,971,143	8.34	3.94	4,019	3.8	100.0	100.0	100.0	3,767	602,103	5.77
Commercial farms.....	17,818	10,111	25.8	93.1	97.5	98.2	212	5,761,462	8.39	3.96	3,735	3.8	92.9	95.9	95.7	3,777	578,712	5.80
Class I.....	701	618	35.2	5.7	19.1	18.3	217	1,151,971	8.77	4.05	279	4.2	6.9	16.2	17.0	3,710	94,662	5.33
Class II.....	2,597	2,134	31.0	19.6	37.9	36.8	214	1,891,268	7.77	4.10	860	4.2	21.4	27.4	28.0	3,675	195,430	6.46
Class III.....	4,286	3,006	25.1	27.7	25.4	26.5	204	1,508,422	8.14	3.99	1,081	3.4	26.3	25.7	24.4	3,973	146,707	5.77
Class IV.....	4,817	2,587	19.5	23.8	14.7	14.9	211	824,753	7.91	3.76	953	3.3	23.7	16.3	16.7	3,675	62,409	5.30
Class V.....	3,401	1,325	17.4	13.2	6.0	5.9	221	313,208	7.73	3.50	412	3.2	10.3	7.4	7.2	3,843	44,744	5.94
Class VI.....	2,016	441	11.8	4.1	1.4	1.5	203	71,840	7.01	3.46	150	2.9	3.7	2.5	2.3	3,975	14,760	6.09
Other farms.....	5,854	753	12.7	6.9	2.5	1.2	290	109,681	8.52	2.94	384	4.2	7.1	4.1	4.3	3,544	23,391	5.21
Area 2a.....	25,661	14,209	25.6	100.0	100.0	100.0	221	5,428,843	7.78	3.53	5,555	4.5	100.0	100.0	100.0	4,126	793,562	6.51
Commercial farms.....	21,019	13,394	26.1	94.3	98.2	98.4	220	5,338,638	7.78	3.53	5,325	4.5	95.9	98.0	97.9	4,127	777,222	6.51
Class I.....	256	225	34.1	1.6	7.6	6.4	263	447,686	10.03	3.81	116	6.2	2.1	5.8	6.7	3,576	46,293	5.71
Class II.....	1,742	1,574	31.8	11.1	22.5	21.4	232	1,243,100	8.32	3.58	839	5.5	15.1	22.0	21.1	4,297	166,243	6.47
Class III.....	4,691	3,870	22.0	27.2	32.4	33.7	213	1,789,696	7.63	3.58	1,617	4.5	29.1	32.4	31.2	4,283	271,536	7.14
Class IV.....	5,825	4,150	23.7	29.2	22.4	23.3	212	1,186,328	7.36	3.45	1,503	3.8	27.1	21.9	21.3	4,253	164,857	6.36
Class V.....	5,176	2,609	19.6	18.4	10.1	10.4	215	520,558	7.21	3.35	910	3.9	16.4	10.9	11.9	3,802	67,753	6.02
Class VI.....	3,263	966	16.0	6.8	3.1	3.2	213	151,274	6.73	3.15	340	5.0	6.1	4.9	5.8	3,515	40,540	5.73
Other farms.....	4,642	815	11.9	5.7	1.9	1.6	243	87,205	7.77	3.20	330	2.7	4.1	3.0	2.1	4,047	16,340	6.45
Area 2b.....	25,367	17,066	38.0	100.0	100.0	100.0	249	9,626,774	8.36	3.36	7,981	6.3	100.0	100.0	100.0	4,765	1,339,983	7.06
Commercial farms.....	19,387	15,356	38.6	90.0	97.0	96.9	249	9,362,901	8.40	3.37	7,293	6.3	91.4	96.1	95.3	4,902	1,287,405	7.11
Class I.....	412	385	43.5	3.3	4.5	8.0	295	926,032	10.03	3.39	248	8.4	3.1	9.8	9.3	5,003	132,230	7.45
Class II.....	2,422	2,316	43.6	13.6	28.4	26.7	265	2,760,464	8.99	3.39	1,279	6.7	14.0	25.6	24.9	5,103	351,018	7.43
Class III.....	4,754	4,321	39.9	25.3	37.5	31.0	245	3,039,413	8.52	3.42	2,248	6.0	28.2	28.6	28.3	4,916	355,059	6.99
Class IV.....	5,629	4,282	36.3	25.1	19.2	19.7	237	1,767,121	7.72	3.28	1,807	5.5	22.6	18.2	18.0	4,907	279,246	6.69
Class V.....	4,186	2,876	30.8	16.9	7.7	8.9	214	701,566	6.82	3.19	1,241	6.6	15.5	11.0	11.6	4,610	143,164	6.70
Class VI.....	2,562	1,176	25.0	6.9	2.1	2.5	204	174,305	5.95	2.91	470	5.1	5.9	2.8	3.1	4,405	41,690	7.04
Other farms.....	5,980	1,710	24.8	10.0	3.0	3.1	236	258,073	7.13	3.02	688	6.1	8.6	3.9	4.7	4,116	52,578	5.95
Area 3.....	22,853	14,116	46.5	100.0	100.0	100.0	176	6,341,594	5.81	3.30	3,430	3.7	100.0	100.0	100.0	4,233	538,053	6.17
Commercial farms.....	16,779	12,679	47.9	99.8	97.2	97.0	176	6,181,111	5.83	3.31	3,324	3.8	91.6	95.8	95.3	4,254	516,943	6.22
Class I.....	182	160	49.3	1.1	5.0	4.3	203	360,077	7.67	3.78	85	6.6	2.3	7.9	7.2	4,645	38,783	6.17
Class II.....	1,365	1,259	51.7	8.9	21.4	18.8	200	1,359,166	6.61	3.31	511	4.3	14.1	21.3	19.4	4,644	104,472	6.17
Class III.....	3,734	3,464	51.5	24.5	33.													

USE OF FERTILIZER AND LIME

**Table 4.—USE AND EXPENDITURES FOR FERTILIZER AND LIME BY ECONOMIC CLASS OF FARM, BY ECONOMIC AREAS:
CENSUS OF 1954—Continued**

State, economic area, and economic class of farm	Total number of farms	Fertilizer									Lime							
		Farms reporting use of fertilizer	Acres fertilized as a percent of total cropland plus improved pasture	Percent distribution of—			Quantity used per acre fertilized (lb.)	Expenditures (dollars)			Farms reporting use of lime	Acres limed as a percent of total cropland plus improved pasture	Percent distribution of—		Quantity used per acre limed (lb.)	Expenditures (dollars)		
				Farms reporting fertilizer	Fertilizer used	Acres fertilized		For fertilizer	Per acre fertilized	Per cent. of fertilizer used			Farms reporting lime	Lime used		Acres limed	For lime	Per acre limed
Missouri—Continued																		
Areas 6 and B.....	21,743	13,309	33.3	100.0	100.0	100.0	241	4,219,007	7.46	3.09	3,723	3.0	100.0	100.0	4,655	332,206	6.56	
Commercial farms.....	14,056	10,835	36.1	81.4	93.1	93.7	240	3,970,694	7.50	3.12	3,191	3.1	85.7	89.7	4,694	296,614	6.58	
Class I.....	170	131	47.0	1.0	5.5	4.6	293	254,038	9.87	3.37	64	4.3	1.7	4.8	4,842	19,155	8.22	
Class II.....	830	732	42.0	5.5	13.5	12.8	255	608,646	8.43	3.30	293	3.8	7.9	10.8	12.8	3,936	39,856	6.16
Class III.....	2,606	2,342	41.1	17.6	27.4	27.2	243	1,170,539	7.61	3.13	901	3.7	24.2	27.0	27.2	4,631	89,213	6.48
Class IV.....	3,975	3,386	36.1	25.4	26.3	27.1	234	1,118,286	7.29	3.11	958	2.9	25.7	26.2	24.8	4,919	81,645	6.51
Class V.....	1,974	2,920	31.1	21.9	16.3	17.0	231	653,301	6.78	2.93	758	2.6	20.4	16.5	16.0	4,816	52,924	6.54
Class VI.....	2,501	1,324	21.0	9.9	4.1	4.9	202	165,884	5.94	2.94	217	1.4	5.8	4.4	3.7	5,540	13,821	7.32
Other farms.....	7,687	2,474	15.7	18.6	6.9	6.3	263	248,313	6.92	2.64	532	2.4	14.3	10.3	11.0	4,345	35,592	6.39
Area 7.....	26,350	13,364	30.4	100.0	100.0	100.0	223	3,047,213	6.38	2.87	1,605	1.4	100.0	100.0	3,644	120,770	5.51	
Commercial farms.....	16,092	10,879	34.1	81.4	92.2	92.5	222	2,827,420	6.40	2.88	1,399	1.6	87.2	91.5	93.2	3,578	109,665	5.37
Class I.....	62	49	36.7	0.4	2.3	2.1	248	75,927	7.67	3.10	16	2.0	1.0	1.8	2.4	2,728	2,412	4.50
Class II.....	542	425	47.7	3.2	10.1	10.0	225	318,685	6.68	2.97	133	3.7	8.3	15.6	16.7	3,401	17,532	4.79
Class III.....	1,538	1,342	44.8	10.0	22.1	22.3	221	708,217	6.64	3.01	282	2.2	17.6	19.7	24.0	2,991	24,662	4.70
Class IV.....	3,908	3,317	40.1	24.8	29.6	31.0	212	887,610	5.99	2.82	404	1.3	25.2	25.2	22.1	4,153	30,439	6.28
Class V.....	5,983	3,955	26.0	29.6	21.6	20.8	230	647,352	6.50	2.82	418	1.2	26.0	21.2	20.2	3,828	25,930	5.85
Class VI.....	4,059	1,791	16.6	13.4	6.5	6.2	232	189,629	6.37	2.75	146	0.9	9.1	8.0	7.8	3,754	8,690	5.10
Other farms.....	10,258	2,485	13.0	18.6	7.8	7.5	231	219,793	6.13	2.65	206	0.5	12.8	8.5	6.8	4,545	11,105	7.48
Area 8.....	10,560	5,154	25.3	100.0	100.0	100.0	252	1,139,705	7.33	2.91	846	2.5	100.0	100.0	4,603	98,325	6.44	
Commercial farms.....	4,986	3,221	30.9	62.5	84.0	83.1	255	974,090	7.54	2.96	654	3.2	77.3	86.8	87.8	4,550	83,110	6.20
Class I.....	9	8	31.1	0.2	1.5	1.5	250	11,671	5.08	2.03	5	3.0	0.6	1.6	1.4	4,941	1,815	8.21
Class II.....	95	73	41.0	1.4	6.6	5.1	324	82,309	10.29	3.18	36	3.7	4.3	5.6	4.8	5,436	5,975	8.19
Class III.....	443	389	39.4	7.5	19.4	17.8	274	236,386	8.54	3.12	164	5.6	19.4	25.2	25.6	4,529	24,376	6.23
Class IV.....	789	661	33.0	12.8	20.0	19.6	257	239,015	7.84	3.05	197	3.5	23.3	25.1	21.3	5,425	24,760	7.61
Class V.....	1,620	1,244	31.2	24.1	27.6	29.1	239	304,216	6.73	2.81	176	2.7	20.8	22.5	25.3	4,102	18,982	4.92
Class VI.....	1,430	846	18.6	16.4	9.1	10.0	228	100,493	6.46	2.83	76	1.7	9.0	6.9	9.5	3,336	7,240	5.01
Other farms.....	6,174	1,933	13.3	37.5	15.8	16.9	237	165,615	6.32	2.67	192	0.9	22.7	13.2	12.2	4,987	15,215	8.19
Area 9a.....	7,498	4,973	34.4	100.0	100.0	100.0	220	1,724,776	7.21	3.27	797	2.8	100.0	100.0	4,252	164,613	8.37	
Commercial farms.....	5,583	4,433	35.6	89.1	97.6	97.2	221	1,688,886	7.26	3.28	752	2.9	94.4	98.1	97.8	4,265	162,023	8.42
Class I.....	194	172	42.7	3.5	34.3	20.5	260	443,053	9.02	3.46	78	4.4	9.8	27.0	25.8	4,453	63,202	12.46
Class II.....	559	534	40.5	10.7	23.2	23.1	222	402,820	7.29	3.29	161	3.5	20.2	23.7	24.3	4,136	32,734	6.83
Class III.....	1,208	982	30.5	19.7	17.7	18.9	206	310,257	6.87	3.33	196	2.7	24.6	19.5	20.0	4,149	27,390	6.96
Class IV.....	1,451	1,260	37.4	25.3	18.8	20.7	199	315,685	6.37	3.19	185	2.3	23.2	18.8	15.7	5,105	25,605	8.30
Class V.....	1,374	1,039	29.4	20.9	10.5	11.0	210	169,101	6.40	3.05	112	2.0	14.1	8.1	9.0	3,866	12,287	6.97
Class VI.....	797	446	21.9	9.0	3.2	2.9	241	47,970	6.82	2.83	20	1.9	2.5	0.9	3.0	1,294	805	1.35
Other farms.....	1,915	540	15.9	10.9	2.4	2.8	189	35,890	5.44	2.88	45	1.1	5.6	1.9	2.2	3,682	2,590	5.89
Area 9b.....	9,695	6,261	37.3	100.0	100.0	100.0	253	3,221,979	9.06	3.58	548	2.4	100.0	100.0	3,279	136,207	5.96	
Commercial farms.....	6,171	3,713	37.3	98.6	99.6	99.7	253	3,209,854	9.05	3.58	543	2.4	99.1	99.7	99.9	3,271	135,707	5.94
Class I.....	445	381	34.6	6.1	25.2	23.6	270	794,759	9.46	3.50	103	3.2	18.8	39.1	34.5	3,715	50,627	6.42
Class II.....	1,785	1,440	37.7	23.0	34.0	34.6	249	1,198,590	9.66	3.88	170	2.6	31.0	32.2	37.6	2,812	45,775	5.33
Class III.....	2,855	2,035	37.8	32.5	24.1	24.9	245	739,880	8.36	3.41	150	1.5	27.4	19.7	15.9	4,074	28,330	7.82
Class IV.....	2,730	1,555	40.9	24.8	12.0	12.6	241	364,060	8.11	3.37	75	1.8	13.7	5.4	8.8	2,005	7,225	3.59
Class V.....	1,250	670	39.9	10.7	3.9	3.5	279	109,430	8.67	3.11	40	2.0	7.3	2.9	2.8	3,333	3,155	4.89
Class VI.....	250	90	30.4	1.4	0.4	0.5	224	13,135	7.93	3.57	5	1.3	0.9	0.4	0.3	4,000	595	8.50
Other farms.....	380	90	28.4	1.4	0.4	0.3	353	12,125	13.04	3.70	5	0.8	0.9	0.3	0.1	10,000	500	20.00
Montana. total.....																		
	32,956	6,485	4.2	100.0	100.0	100.0	86	2,225,663	3.49	4.06	66	(2)	100.0	100.0	770	2,441	2.33	
Commercial farms.....	28,677	6,027	4.2	92.9	98.2	98.8	86	2,186,223	3.47	4.06	40	(2)	60.6	54.1	57.0	730	1,306	2.19
Class I.....	2,581	812	5.2	12.5	27.4	33.3	71	648,535	3.05	4.31	1	(2)	1.5	12.4	16.0	595	300	1.79
Class II.....	6,905	1,850	4.5	28.5	34.4	37.0	80	790,544	3.35	4.19	8	(2)	12.1	22.3	9.5	1,818	386	3.90
Class III.....	7,760	1,816	3.6	28.0	24.3	18.7	112	493,548	4.14	3.70	1	(2)	1.5	3.2	4.3	578	45	1.00
Class IV.....	6,003	970	3.0	15.0	9.1	7.3	107	190,080	4.09	3.83	25	(2)	37.9	9.9	15.3	500	515	3.22
Class V.....	3,833	444	2.3	6.8	2.6	2.1	106	51,960	3.90	3.67	5	(2)	7.6	6.2	11.9	400	60	0.48
Class VI.....	1,595	135	1.7	2.1	0.5	0.4	108	11,556	4.56	4.22	...	...	...	...	...	...	...	...
Other farms.....	4,279	458	4.3	7.1	1.8	1.2	134	39,440	5.34	3.98	26	0.3	39.4	45.9	43.0	822	1,135	2.52
Area 1a.....	6,025	1,530	8.6	100.0	100.0	100.0	147	288,726	5.42	3.69	61	0.1	100.0	100.0	496	1,660	1.83	
Commercial farms.....	3,911	1,229	8.9	80.3	95.4	96.0	146	275,641	5.39	3.69	36	0.1	99.0	57.8	53.7	533	975	2.00
Class I.....	51	25	8.1	1.6	5.6	6.4	128	18,971	5.56	4.35	1	0.4	1.6	22.2	18.5	595	300	1.79
Class II.....	378	226	12.2	14.8	30.3	30.5	146	97,631	6.01	4.12	5	(2)	8.2	6.7	3.9	857	100	2.86
Class III.....	875	389	10.8	25.4	35.3	34.8	149	89,364	4.82	3.24	...	...	...	...	...	...	...	...
Class IV.....	1,117	293	6.3	19.2	1													

USE OF FERTILIZER AND LIME

Table 4.—USE AND EXPENDITURES FOR FERTILIZER AND LIME BY ECONOMIC CLASS OF FARM, BY ECONOMIC AREAS:
CENSUS OF 1954—Continued

State, economic area, and economic class of farm	Total number of farms	Fertilizer							Lime									
		Farms reporting use of fertilizer	Acres fertilized as a percent of total cropland plus improved pasture	Percent distribution of—			Quantity used per acre fertilized (lb.)	Expenditures (dollars)			Farms reporting use of lime	Acres limed as a percent of total cropland plus improved pasture	Percent distribution of—		Quantity used per acre limed (lb.)	Expenditures (dollars)		
				Farms reporting use of fertilizer	Fertilizer used	Acres fertilized		For fertilizer	Per acre fertilized	Per cent of fertilizer used			Lime used	Acres limed		For lime	Per acre limed	
Montana—Continued																		
Area 2b.....	9,858	1,108	1.7	100.0	100.0	100.0	77	385,625	3.14	4.09	1	(2)	100.0	100.0	100.0	1,000	8	1.00
Commercial farms.....	9,404	1,067	1.7	96.3	98.7	99.2	76	380,575	3.12	4.09	1	(2)	100.0	100.0	100.0	1,000	8	1.00
Class I.....	796	181	2.1	16.3	24.6	26.7	85	120,095	3.66	4.31	...	...	...	...	...	...	...	...
Class II.....	2,468	354	1.8	31.9	34.0	37.7	69	126,423	2.73	3.95	1	(2)	100.0	100.0	100.0	1,000	8	1.00
Class III.....	2,752	153	1.7	29.5	25.3	24.0	81	97,986	3.33	4.11	...	...	...	...	...	...	...	...
Class IV.....	2,014	153	1.3	13.6	8.4	8.6	75	30,075	2.84	3.80	...	...	...	...	...	...	...	...
Class V.....	1,038	47	0.9	4.2	1.1	1.9	46	4,668	2.02	4.40	...	...	...	...	...	...	...	...
Class VI.....	336	7	1.0	0.6	0.4	0.4	65	1,328	2.55	3.91	...	...	...	...	...	...	...	...
Other farms.....	454	41	2.3	3.7	1.3	0.8	131	5,050	5.43	4.14	...	...	...	...	...	...	...	...
Area 3a.....	3,752	1,055	5.5	100.0	100.0	100.0	201	487,279	8.55	4.24	...	...	...	...	...	...	...	...
Commercial farms.....	3,202	1,025	5.5	97.2	98.4	98.7	201	459,679	8.52	4.24	...	...	...	...	...	...	...	...
Class I.....	207	90	4.7	8.5	24.1	20.2	239	116,166	10.50	4.38	...	...	...	...	...	...	...	...
Class II.....	616	262	5.5	24.8	35.0	31.1	226	167,334	9.84	4.34	...	...	...	...	...	...	...	...
Class III.....	962	398	6.9	37.7	25.3	30.8	166	114,323	6.79	4.10	...	...	...	...	...	...	...	...
Class IV.....	749	198	5.1	18.8	10.7	12.9	167	47,138	6.67	3.99	...	...	...	...	...	...	...	...
Class V.....	421	62	3.6	5.9	2.3	3.2	182	12,153	6.94	3.82	...	...	...	...	...	...	...	...
Class VI.....	247	15	1.7	1.4	0.4	0.4	200	2,565	10.69	5.34	...	...	...	...	...	...	...	...
Other farms.....	550	30	6.6	2.8	1.6	1.3	243	7,600	10.63	4.37	...	...	...	...	...	...	...	...
Area 3b.....	3,433	466	3.2	100.0	100.0	100.0	140	207,364	5.53	3.95	1	(2)	100.0	100.0	100.0	200	8	0.80
Commercial farms.....	3,228	455	3.2	97.6	98.5	98.2	139	203,664	5.50	3.94	1	(2)	100.0	100.0	100.0	200	8	0.80
Class I.....	310	75	4.3	16.1	27.9	31.6	124	61,897	5.23	4.22	...	...	...	...	...	...	...	...
Class II.....	763	160	4.1	34.3	41.3	37.7	153	86,629	6.13	4.00	1	(2)	100.0	100.0	100.0	200	8	0.80
Class III.....	896	153	3.2	32.8	24.7	24.8	139	45,313	4.88	3.50	...	...	...	...	...	...	...	...
Class IV.....	619	41	0.7	8.8	2.9	2.9	140	6,306	5.81	4.15	...	...	...	...	...	...	...	...
Class V.....	443	21	1.0	4.5	1.3	1.6	116	2,739	4.54	3.91	...	...	...	...	...	...	...	...
Class VI.....	197	5	0.5	1.1	0.4	0.3	200	780	7.80	3.90	...	...	...	...	...	...	...	...
Other farms.....	205	11	3.7	2.4	1.5	1.2	177	3,700	8.20	4.62	...	...	...	...	...	...	...	...
Nebraska, total.....	100,733	42,406	12.9	100.0	100.0	100.0	146	21,432,509	7.18	4.92	5,905	0.7	100.0	100.0	100.0	3,601	1,280,524	8.00
Commercial farms.....	94,153	41,984	12.9	99.0	99.7	99.7	146	21,377,554	7.19	4.92	5,868	0.7	99.4	99.5	99.5	3,602	1,274,779	8.01
Class I.....	4,171	2,670	14.7	6.3	14.9	13.9	157	3,263,392	7.88	5.01	432	0.8	7.3	12.4	14.2	3,145	175,547	7.70
Class II.....	18,846	17,134	17.2	28.6	39.3	38.5	149	8,535,165	7.42	4.99	1,651	0.8	28.0	33.1	33.5	3,559	418,475	7.81
Class III.....	32,050	16,503	12.7	38.9	31.7	32.6	142	6,675,737	6.86	4.83	2,378	0.7	45.3	36.8	34.6	3,823	460,973	8.32
Class IV.....	24,452	8,195	8.4	19.3	11.2	11.9	138	2,371,144	6.66	4.84	1,095	0.5	18.5	13.6	13.3	3,690	173,630	8.16
Class V.....	10,716	2,128	5.3	5.0	2.2	2.4	136	468,939	6.58	4.33	287	0.4	4.9	3.4	3.6	3,346	44,004	7.54
Class VI.....	3,918	354	3.9	0.8	0.3	0.4	136	63,177	6.00	4.42	25	0.1	0.4	0.2	0.1	4,130	2,710	9.43
Other farms.....	6,580	422	5.9	1.0	0.3	0.3	166	54,955	6.09	3.67	37	0.5	0.6	0.5	0.5	3,345	5,745	6.94
Area 1.....	8,458	1,417	1.9	100.0	100.0	100.0	135	405,293	5.80	4.30	35	(2)	100.0	100.0	100.0	2,217	6,114	7.70
Commercial farms.....	7,939	1,392	1.9	98.2	99.6	99.4	135	404,108	5.82	4.30	35	(2)	100.0	100.0	100.0	2,217	6,114	7.70
Class I.....	594	121	1.1	8.5	14.0	14.1	183	74,361	7.57	4.14	8	(2)	22.9	21.1	18.6	2,514	1,226	8.28
Class II.....	1,636	439	2.6	29.9	39.4	40.1	130	170,814	6.10	4.70	9	(2)	25.7	29.9	25.7	2,578	2,042	10.01
Class III.....	2,324	463	2.3	32.7	26.0	28.1	125	100,597	5.12	4.09	5	(2)	17.1	16.8	40.7	916	822	2.54
Class IV.....	1,462	258	1.7	18.2	12.2	13.0	127	44,624	4.92	3.84	5	(2)	14.3	22.7	8.2	6,154	1,500	23.08
Class V.....	1,188	108	1.0	7.6	4.8	3.3	112	10,105	4.34	3.89	7	(2)	20.0	9.4	6.8	3,074	524	9.70
Class VI.....	348	33	1.4	2.3	1.1	0.9	179	3,607	5.96	3.34	...	...	...	...	...	...	...	...
Other farms.....	519	25	2.0	1.8	0.4	0.6	92	1,385	3.04	3.29	...	...	...	...	...	...	...	...
Area 2.....	7,296	1,905	3.0	100.0	100.0	100.0	188	794,337	8.40	4.47	1	(2)	100.0	100.0	100.0	1,000	2	1.00
Commercial farms.....	6,689	1,884	3.0	98.9	99.7	99.6	188	792,336	8.41	4.47	1	(2)	100.0	100.0	100.0	1,000	2	1.00
Class I.....	607	311	4.2	16.3	31.6	27.9	213	248,152	9.42	4.42	...	...	...	...	...	...	...	...
Class II.....	2,205	891	3.7	46.8	43.9	46.1	179	348,010	7.99	4.45	1	(2)	100.0	100.0	100.0	1,000	2	1.00
Class III.....	1,913	492	2.6	25.8	19.2	20.7	166	149,864	7.68	4.63	...	...	...	...	...	...	...	...
Class IV.....	1,076	168	1.1	7.8	5.1	3.9	246	39,840	10.86	4.41	...	...	...	...	...	...	...	...
Class V.....	650	41	0.6	2.2	0.8	1.1	140	6,220	5.88	4.20	...	...	...	...	...	...	...	...
Class VI.....	238	1	0.1	0.1	(2)	0.1	74	250	4.63	6.25	...	...	...	...	...	...	...	...
Other farms.....	607	21	0.6	1.1	0.3	0.4	152	2,001	5.85	3.85	...	...	...	...	...	...	...	...
Area 3a.....	13,446	4,696	11.6	100.0	100.0	100.0	154	2,733,766	8.50	5.52	87	0.1	100.0	100.0	100.0	2,763	12,335	5.68
Commercial farms.....	12,939	4,635	11.6	98.7	99.7	99.7	154	2,727,681	8.51	5.52	87	0.1	100.0	100.0	100.0	2,763	12,335	5.68
Class I.....	596	427	21.8	9.1	21.1	20.1	162	611,387	9.47	5.86	13	0.2	14.9	29.2	39.0	2,066	3,027	3.57
Class II.....	2,172	1,476	19.0	31.4	41.2	40.1	158	1,142,622	8.85	5.60	21	0.1	24.1	37.7	27.6	3,767	4,292	7.15
Class III.....	3,794	1,672	9.9	35.6	25.9	27.4	145	686,890	7.79	5.36	33	0.1	37.9	18.7	21.4	2,413	3,126	6.72
Class IV.....	3,505	793	4.7	16.9	8.8	9.1	150	224,362	7.70	5.15	15	(2)	17.2	9.0	7.4	3,375	1,330	8.31
Class V.....	1,767	232	3.8	4.9	3.4	2.6	142	55,455	6.54	4.62	5	(2)	5.7	5.5	4.6	3,300	560	5.60
Class VI.....	692	35	2.7	0.7	0.4	0.4	162	1,965	5.95	3.67	...	...	...	...	...	...	...	...
Other farms.....	1,057	61	6.5	1.3	0.3	0.3	147	6,085	5.88	4.00	...	...	...	...	...	...	...	...
Area 3b.....	15,658	6,990	16.2	100.0	100.0	100.0	141	3,176,830	6.88	4.89	748	0.8	100.0	100.0	100.0	2,813	184,559	7.86
Commercial farms.....	14,926	6,934	16.2	99.2	99.8	99.8	141	3,171,100	6.88	4.89	747	0.8	99.9	99.8	99.8	2,812	184,289	7.86
Class I.....	417	291	27.3	4.2	9.5	8.9	151											

USE OF FERTILIZER AND LIME

Table 4.—USE AND EXPENDITURES FOR FERTILIZER AND LIME BY ECONOMIC CLASS OF FARM, BY ECONOMIC AREAS.
CENSUS OF 1954—Continued

State, economic area, and economic class of farm	Total number of farms	Fertilizer						Lime										
		Farms reporting use of fertilizer	Acres fertilized as a percent of total cropland plus improved pasture	Percent distribution of—		Quantity used per acre fertilized (lb.)	Expenditures (dollars)			Farms reporting use of lime	Acres limed as a percent of total cropland plus improved pasture	Percent distribution of—		Expenditures (dollars)				
				Farms reporting fertilizer	Acres fertilized		For fertilizer	Per acre fertilized	Per cent. of fertilizer used			Farms reporting lime	Acres limed	For lime	Per acre limed			
Nebraska—Continued																		
Area b.....	15,625	8,227	22.0	100.0	100.0	100.0	128	4,425,769	6.71	5.25	1,559	1.4	100.0	100.0	100.0	3,817	396,505	9.25
Commercial farms.....	14,819	8,171	22.0	99.3	99.9	99.8	128	4,421,145	6.71	5.25	1,549	1.4	99.4	99.7	99.7	3,816	395,570	9.25
Class I.....	378	324	41.7	3.9	11.1	11.8	121	532,386	6.83	5.67	99	3.3	6.4	12.7	14.3	3,382	53,181	8.67
Class II.....	2,672	2,219	33.0	27.0	40.2	40.4	127	1,823,454	6.83	5.38	525	1.9	33.7	36.4	35.8	3,883	136,429	8.89
Class III.....	5,457	3,432	19.1	41.7	35.3	34.1	132	1,505,305	6.68	5.07	675	1.4	43.3	39.1	37.9	3,935	164,510	10.13
Class IV.....	4,152	1,761	11.6	21.4	11.1	11.2	126	470,745	6.34	5.02	180	0.5	11.5	8.1	8.2	3,792	28,905	8.25
Class V.....	1,525	375	8.1	4.6	1.9	1.9	126	78,725	6.33	5.03	65	1.0	4.2	3.2	3.5	3,552	12,245	8.19
Class VI.....	635	60	7.2	0.7	0.3	0.3	123	10,530	5.48	4.46	5	0.1	0.3	0.2	0.1	8,000	300	7.50
Other farms.....	806	56	13.9	0.7	0.1	0.2	55	4,624	3.28	5.93	10	1.1	0.6	0.3	0.3	4,261	935	8.13
Area c.....	12,299	6,581	22.1	100.0	100.0	100.0	166	3,516,039	7.48	4.52	539	0.8	100.0	100.0	100.0	3,077	167,953	9.49
Commercial farms.....	11,744	6,531	22.1	99.2	99.9	99.9	166	3,512,719	7.49	4.52	539	0.8	100.0	100.0	100.0	3,077	167,953	9.49
Class I.....	802	635	25.3	9.6	21.7	20.1	179	787,059	8.34	4.67	114	2.7	21.2	33.0	38.9	2,607	54,955	7.97
Class II.....	2,978	2,081	25.3	31.6	38.8	38.4	167	1,350,725	7.49	4.48	145	0.7	26.9	28.6	26.9	3,270	48,150	10.10
Class III.....	4,264	2,540	12.9	38.6	29.1	30.5	158	1,017,610	7.10	4.49	180	0.6	33.4	27.5	24.2	3,497	42,905	10.00
Class IV.....	2,520	960	12.9	14.6	8.4	8.8	157	290,660	6.98	4.45	85	0.5	15.8	9.2	8.5	3,305	18,690	12.38
Class V.....	880	275	13.0	4.2	1.7	1.9	150	58,395	6.61	4.42	15	0.4	2.8	1.7	1.4	3,796	3,255	13.29
Class VI.....	300	40	8.6	0.6	0.3	0.2	230	8,870	9.80	4.26	...	...	...	...	...	...	...	...
Other farms.....	555	50	10.1	0.8	0.1	0.1	131	3,320	5.72	4.37	...	...	...	...	...	...	...	...
Areas 7, A, and B.....	17,253	9,482	25.2	100.0	100.0	100.0	145	4,667,190	6.90	4.75	2,843	2.6	100.0	100.0	100.0	3,950	486,606	7.03
Commercial farms.....	15,619	9,354	25.3	98.7	99.1	99.5	145	4,641,295	6.90	4.77	2,817	2.6	99.1	99.2	99.0	3,957	482,066	7.03
Class I.....	344	304	39.1	3.2	8.9	8.7	147	379,464	6.42	4.35	119	2.5	4.2	6.5	5.4	4,755	27,345	7.32
Class II.....	2,460	2,042	34.7	21.5	34.0	33.4	148	1,594,881	7.05	4.78	687	3.3	24.2	30.0	30.6	3,871	148,181	6.99
Class III.....	5,578	3,968	23.7	41.8	37.5	37.3	146	1,750,715	6.94	4.76	1,176	2.7	41.4	41.2	41.0	3,971	195,880	6.90
Class IV.....	4,527	2,285	18.0	24.1	15.1	16.2	135	732,695	6.69	4.94	655	2.0	23.0	17.6	17.5	3,974	90,260	7.46
Class V.....	1,880	635	13.7	6.7	3.2	3.2	144	159,985	7.35	5.11	165	1.9	5.8	3.8	4.3	3,432	19,780	6.57
Class VI.....	780	120	13.6	1.3	0.5	0.6	125	23,555	6.03	4.81	15	0.5	0.5	0.1	0.2	2,714	620	4.43
Other farms.....	1,634	128	14.2	1.3	0.9	0.5	235	25,895	7.29	3.10	26	2.7	0.9	0.8	1.0	3,210	4,540	6.75
Nevada, total (Area 1).....	2,808	430	3.3	100.0	100.0	100.0	228	257,964	8.95	3.93	6	(2)	100.0	100.0	100.0	7,647	615	36.18
Commercial farms.....	1,911	381	3.4	88.6	97.9	98.5	226	252,529	8.89	3.92	6	(2)	100.0	100.0	100.0	7,647	615	36.18
Class I.....	301	82	3.8	19.1	61.4	63.3	221	157,816	8.65	3.91	...	...	...	...	...	...	...	...
Class II.....	472	113	2.4	26.3	19.6	14.8	302	58,095	13.65	4.52	...	...	...	...	...	...	...	...
Class III.....	401	70	1.7	16.3	5.7	5.5	237	16,842	10.63	4.48	5	(2)	83.3	53.8	58.8	7,000	315	31.50
Class IV.....	302	59	5.2	13.7	6.3	9.6	151	9,880	3.58	2.38	...	...	...	...	...	...	...	...
Class V.....	283	51	5.3	11.9	4.4	5.0	201	8,886	6.21	3.09	1	(2)	16.7	46.2	41.2	8,571	300	42.86
Class VI.....	152	6	1.1	1.4	0.5	0.5	229	1,010	7.21	3.16	...	...	...	...	...	...	...	...
Other farms.....	897	49	0.9	11.4	2.1	1.5	320	5,375	12.65	3.95	...	...	...	...	...	...	...	...
New Hampshire, total.....	10,423	3,495	17.3	100.0	100.0	100.0	514	897,137	12.92	2.52	1,320	4.2	100.0	100.0	100.0	2,300	101,797	6.11
Commercial farms.....	5,435	2,444	20.3	69.9	89.6	89.1	516	810,052	13.09	2.54	996	4.9	75.5	88.1	89.0	2,276	92,578	6.24
Class I.....	274	127	52.1	3.6	28.0	19.8	726	229,355	16.66	2.29	107	12.1	8.1	22.8	19.2	2,736	23,585	7.07
Class II.....	953	550	29.9	15.7	32.5	34.1	490	340,093	12.85	2.62	294	5.4	23.3	30.0	25.7	2,685	32,573	7.61
Class III.....	1,238	656	18.0	18.8	16.4	19.8	426	148,475	10.79	2.53	283	5.2	21.4	22.1	24.0	2,120	23,310	5.83
Class IV.....	1,340	611	11.7	17.5	8.2	10.6	346	76,300	10.38	2.62	205	4.0	15.5	7.9	14.9	1,223	8,465	3.41
Class V.....	1,302	359	7.9	10.0	3.5	3.8	474	42,085	15.88	3.35	72	1.5	5.5	3.0	3.1	2,226	2,610	5.00
Class VI.....	628	141	2.6	4.0	0.9	1.0	474	6,724	14.60	3.08	35	1.4	2.7	2.2	2.1	2,394	3,035	8.55
Other farms.....	4,988	1,051	7.8	30.1	10.4	10.9	493	87,085	11.53	2.34	324	1.9	24.5	11.9	11.0	2,499	9,219	5.04
Area 1.....	3,900	1,505	19.2	100.0	100.0	100.0	584	515,609	14.30	2.45	505	3.6	100.0	100.0	100.0	2,481	42,682	6.24
Commercial farms.....	2,156	1,136	22.6	75.5	94.5	92.4	597	484,969	14.57	2.44	397	4.1	78.6	90.8	88.9	2,535	39,628	6.52
Class I.....	85	65	76.5	4.3	39.5	37.8	831	182,562	18.23	2.19	43	11.1	8.5	38.1	21.3	3,273	11,021	7.57
Class II.....	309	225	35.1	15.0	30.7	32.6	549	171,074	14.55	2.65	122	5.5	24.2	31.4	26.8	2,907	14,622	7.98
Class III.....	469	298	17.9	19.8	13.3	18.0	431	70,050	10.82	2.51	121	4.2	24.0	19.2	22.2	2,142	8,610	5.67
Class IV.....	577	300	10.1	19.9	6.9	9.3	435	37,695	11.27	2.59	85	2.9	16.8	8.4	14.2	1,474	3,860	3.98
Class V.....	435	197	8.7	13.1	3.5	4.1	499	19,283	13.08	2.62	16	0.9	3.2	2.1	2.1	2,428	780	5.38
Class VI.....	281	50	1.5	3.3	0.6	0.6	564	4,305	19.57	3.47	10	1.1	2.0	1.7	2.3	1,812	735	4.59
Other farms.....	1,744	369	6.8	24.5	5.5	7.6	424	30,640	11.12	2.62	108	1.0	21.4	9.2	11.1	2,645	3,054	4.02
Areas 2 and A.....	6,523	1,990	15.7	100.0	100.0	100.0	438	381,528	11.43	2.61	815	4.6	100.0	100.0	100.0	2,175	59,115	6.02
Commercial farms.....	3,279	1,308	18.1	65.7	82.5	85.6	421	325,083	11.38	2.70	599	5.6	73.5	85.9	89.1	2,096	52,950	6.05
Class I.....	189	62	28.1	3.1	11.5	11.2	446	46,793	12.47	2.80	64	13.0	7.9	18.6	17.7	4,287	11,564	6.65
Class II.....	644	324	26.0	16.3	35.1	35.7	431	133,019	11.17	2.59	172	5.3	21.1	28.8	24.9	2,519	17,951	7.34
Class III.....	763	358	18.2	18.0	21.0	21.8	422	78,425	10.76	2.55	162	6.2	19.9	24.5	25.3	2,106	14,700	5.92
Class IV.....	311	135	15.6	10.0	12.0	12.0	364	38,625	9.64	2.65	120	5.1	14.7	7.5	15.4	1,063	4,605	3.04
Class V.....	567	167	7.0	8.1	3.6	3.5	442	22,802	19.37	4.38	56	2.1	6.9	3.8	3.8	2,149	1,630	4.

USE OF FERTILIZER AND LIME

Table 4—USE AND EXPENDITURES FOR FERTILIZER AND LIME BY ECONOMIC CLASS OF FARM, BY ECONOMIC AREAS: CENSUS OF 1954—Continued

State, economic area, and economic class of farm	Total number of farms	Farms reporting use of fertilizer	Fertilizer						Lime									
			Acres fertilized as a percent of total cropland plus improved pasture	Percent distribution of—			Quantity used per acre fertilized (lb.)	Expenditures (dollars)			Acres limed as a percent of total cropland plus improved pasture	Percent distribution of—			Expenditures (dollars)			
				Farms reporting fertilizer	Fertilizer used	Acres fertilized		For fertilizer	Per acre fertilized	Per cent. of fertilizer used		Farms reporting lime	Lime used	Acres limed	Quantity used per acre limed (lb.)	For lime	Per acre limed	
New Jersey—Continued																		
Areas 2, D, E, and F....	10,634	5,867	62.0	100.0	100.0	100.0	987	6,906,926	25.01	2.53	2,927	14.3	100.0	100.0	100.0	1,882	577,381	9.03
Commercial farms.....	8,251	4,880	64.4	83.2	97.7	97.2	992	6,718,821	25.04	2.52	2,555	14.6	87.3	96.2	95.0	1,904	558,471	9.19
Class I.....	958	634	72.9	10.8	42.8	36.1	1,168	2,921,416	29.29	2.51	489	19.7	16.7	43.4	42.1	1,938	207,281	7.70
Class II.....	2,753	1,472	56.9	25.1	32.2	34.3	925	2,212,540	23.34	2.52	1,005	14.2	34.3	33.8	31.5	2,018	242,040	12.04
Class III.....	1,924	1,097	56.9	18.7	12.5	13.7	401	860,405	22.81	2.53	495	10.7	16.9	9.2	11.3	1,532	55,370	7.67
Class IV.....	1,216	756	52.0	12.9	6.2	7.4	837	443,020	21.82	2.61	316	10.1	10.8	6.4	6.2	1,937	33,720	8.53
Class V.....	900	600	48.1	10.2	3.0	4.0	729	202,955	18.38	2.52	160	8.2	5.5	2.6	2.9	1,658	13,190	7.05
Class VI.....	500	321	56.7	5.5	1.1	1.7	636	78,485	16.64	2.61	90	8.3	3.1	0.9	1.1	1,638	6,870	9.96
Other farms.....	2,383	987	27.0	16.8	2.3	2.8	799	188,105	23.94	3.00	372	10.9	12.7	3.8	5.0	1,446	18,210	5.96
New Mexico, total.....	20,977	3,417	9.2	100.0	100.0	100.0	246	2,387,039	10.16	4.13	12	(Z)	100.0	100.0	100.0	2,200	3,782	8.39
Commercial farms.....	12,008	2,927	10.5	85.7	98.5	98.1	247	2,359,323	10.24	4.14	2	(Z)	16.7	96.0	71.2	2,966	3,602	11.22
Class I.....	1,467	873	31.3	25.5	72.0	67.0	265	1,682,206	10.70	4.04	1	0.1	8.3	95.8	71.0	2,969	3,600	11.25
Class II.....	2,024	738	9.3	21.6	6.3	8.4	185	440,287	11.14	4.76	...	...	...	...	...	...	...	...
Class III.....	2,251	598	4.4	17.4	6.3	8.4	185	146,449	7.39	3.99	...	...	...	...	...	...	...	...
Class IV.....	2,117	318	2.2	9.3	2.6	3.4	191	56,428	7.16	3.76	1	(Z)	8.3	0.2	0.2	2,000	2	2.00
Class V.....	2,309	279	1.7	8.2	1.2	2.0	152	27,813	5.95	3.91	...	...	...	...	...	...	...	...
Class VI.....	1,840	126	0.7	3.7	0.4	0.5	182	6,140	5.31	2.92	...	...	...	...	...	...	...	...
Other farms.....	8,969	490	1.2	14.3	1.5	1.9	188	27,716	6.09	3.24	10	(Z)	83.3	4.0	28.8	308	180	1.38
Area 1a.....	3,501	597	10.2	100.0	100.0	100.0	160	110,436	6.19	3.87	10	0.1	100.0	100.0	100.0	308	180	1.38
Commercial farms.....	1,478	349	14.3	98.5	78.7	82.4	153	92,181	6.37	4.11	...	...	...	...	...	...	...	...
Class I.....	193	28	19.4	4.7	19.6	19.0	165	26,535	7.81	4.74	...	...	...	...	...	...	...	...
Class II.....	137	48	22.8	8.0	13.2	12.4	170	17,191	7.78	4.57	...	...	...	...	...	...	...	...
Class III.....	217	97	20.0	16.2	23.1	26.7	138	24,505	5.14	3.72	...	...	...	...	...	...	...	...
Class IV.....	272	54	9.2	9.0	11.9	12.8	148	12,410	5.44	3.67	...	...	...	...	...	...	...	...
Class V.....	405	82	7.9	13.7	8.4	9.3	145	9,325	5.62	3.89	...	...	...	...	...	...	...	...
Class VI.....	344	40	6.5	6.7	2.5	2.2	182	2,215	5.61	3.08	...	...	...	...	...	...	...	...
Other farms.....	2,023	248	4.4	41.5	21.3	17.6	194	18,255	5.81	3.00	10	0.2	100.0	100.0	100.0	308	180	1.38
Area 1b.....	4,541	226	3.8	100.0	100.0	100.0	153	36,864	6.66	4.36	...	...	...	...	...	...	...	...
Commercial farms.....	1,211	126	4.8	55.8	89.5	89.5	153	33,554	6.82	4.66	...	...	...	...	...	...	...	...
Class I.....	28	10	6.4	4.4	14.3	7.7	382	4,950	11.65	4.12	...	...	...	...	...	...	...	...
Class II.....	35	8	18.7	3.5	34.0	31.5	165	14,362	8.28	5.02	...	...	...	...	...	...	...	...
Class III.....	116	13	2.7	5.8	13.1	12.0	125	5,517	6.26	5.02	...	...	...	...	...	...	...	...
Class IV.....	207	20	4.8	8.8	15.7	18.7	128	2,540	5.37	4.20	...	...	...	...	...	...	...	...
Class V.....	292	25	2.7	11.1	7.6	9.3	123	2,250	4.33	3.52	...	...	...	...	...	...	...	...
Class VI.....	533	50	2.4	22.1	4.8	6.0	121	935	2.83	2.34	...	...	...	...	...	...	...	...
Other farms.....	3,330	100	1.4	44.2	10.5	10.5	152	3,110	5.36	3.53	...	...	...	...	...	...	...	...
Area 2.....	7,513	610	1.3	100.0	100.0	100.0	195	196,493	8.63	4.41	...	...	...	...	...	...	...	...
Commercial farms.....	4,990	549	1.5	40.0	98.2	98.2	195	193,307	8.64	4.42	...	...	...	...	...	...	...	...
Class I.....	314	56	4.6	4.2	34.8	36.0	189	85,649	10.44	5.53	...	...	...	...	...	...	...	...
Class II.....	746	122	1.8	20.0	24.6	24.0	201	42,034	7.70	3.84	...	...	...	...	...	...	...	...
Class III.....	1,080	166	1.5	27.2	23.2	24.0	266	38,634	7.70	3.74	...	...	...	...	...	...	...	...
Class IV.....	1,053	83	0.6	13.6	9.5	8.0	233	16,228	8.93	3.83	...	...	...	...	...	...	...	...
Class V.....	1,097	111	0.8	18.2	5.7	8.0	140	10,327	5.68	4.07	...	...	...	...	...	...	...	...
Class VI.....	700	11	(Z)	1.8	0.3	0.2	298	4,325	9.26	3.11	...	...	...	...	...	...	...	...
Other farms.....	2,523	61	0.2	10.0	1.8	1.8	201	3,186	7.83	3.89	...	...	...	...	...	...	...	...
Area 3.....	5,422	1,984	34.8	100.0	100.0	100.0	263	2,043,446	10.85	4.12	2	0.1	100.0	100.0	100.0	2,966	3,602	11.22
Commercial farms.....	4,329	1,903	36.5	95.9	99.8	99.8	263	2,040,281	10.83	4.12	2	0.1	100.0	100.0	100.0	2,966	3,602	11.22
Class I.....	1,322	779	43.4	39.3	79.3	76.9	271	1,565,072	10.78	3.97	1	0.1	50.0	99.8	99.7	2,969	3,600	11.25
Class II.....	1,106	560	27.5	28.2	15.1	16.0	249	365,700	12.18	4.90	...	...	...	...	...	...	...	...
Class III.....	838	317	16.1	16.0	3.8	4.9	203	77,793	8.49	4.17	...	...	...	...	...	...	...	...
Class IV.....	585	161	11.0	8.1	1.2	1.5	221	26,250	8.04	3.66	1	(Z)	50.0	0.2	0.3	2,100	2	2.00
Class V.....	515	61	6.0	3.1	0.3	0.4	226	5,911	8.67	3.84	...	...	...	...	...	...	...	...
Class VI.....	263	25	2.9	1.3	0.2	0.2	218	2,555	6.64	3.04	...	...	...	...	...	...	...	...
Other farms.....	1,093	81	1.6	4.1	0.2	0.2	184	3,165	7.45	4.06	...	...	...	...	...	...	...	...
New York, total.....	105,671	65,390	28.1	100.0	100.0	100.0	454	27,256,596	11.97	2.64	26,040	4.9	100.0	100.0	100.0	2,970	3,788,989	9.52
Commercial farms.....	77,315	56,088	29.9	85.8	96.3	95.9	456	26,247,215	12.03	2.64	23,830	5.2	91.5	95.6	94.7	2,996	2,633,638	9.64
Class I.....	3,604	3,093	52.6	4.7	27.3	17.5	706	7,438,670	18.63	2.64	1,689	6.0	6.5	14.2	15.3	2,744	618,285	10.15
Class II.....	14,970	13,037	36.4	19.5	33.1	34.1	441	9,080,305	11.71	2.65	7,001	8.6	26.9	36.0	35.5	3,014	1,379,526	9.76
Class III.....	22,988	18,400	25.9	28.1	21.1	25.7	373	5,746,113	9.80	2.63	8,658	4.8	33.2	29.1	27.1	3,125	1,061,004	9.84
Class IV.....	19,026	12,745	20.6	14.5	9.9	12.2	369	2,634,580	9.53	2.58	4,297	3.4	16.5	11.3	11.6	2,898	393,393	8.51
Class V.....	11,789	6,746	20.0	10.3	4.1	5.5	351	1,128,530	9.24	2.63	1,743	2.8	6.7	4.0	4.3	2,765	145,307	8.42
Class VI.....	4,938	2,067	12.0	3.2	0.8	1.0	363	214,057	9.68	2.67	42	1.7	1.7	0.9	0.8	3,359	36,123	11.19
Other farms.....	28,356	9,302	11.6	14.2	3.7	4.1	403	1,009,381	10.69	2.65	2,210	2.6	8.5	4.4	5.3	2,495	155,351	7.39
Areas 1, A, and B.....	14,345	10,695	42.3	100.0	100.0	100.0	443	5,192,801	12.03	2.72	2,417	4.2	100.0	100.0	100.0	2,822	335,352	7.83
Commercial farms.....	9,707	8,547	45.5	79.9	95.7	94.8	448	4,934,986	12.07	2.70								

USE OF FERTILIZER AND LIME

Table 4—USE AND EXPENDITURES FOR FERTILIZER AND LIME BY ECONOMIC CLASS OF FARM, BY ECONOMIC AREAS:
CENSUS OF 1954—Continued

State, economic area, and economic class of farm	Total number of farms	Fertilizer						Lime										
		Farms reporting use of fertilizer	Acres fertilized as a percent of total cropland plus improved pasture	Percent distribution of—			Quantity used per acre fertilized (lb.)	Expenditures (dollars)			Farms reporting use of lime	Acres limed as a percent of total cropland plus improved pasture	Percent distribution of—		Expenditures (dollars)			
				Farms reporting use of fertilizer	Fertilizer used	Acres fertilized		For fertilizer	Per acre fertilized	Per cent. of fertilizer used			Lime used	Acres limed	Quantity used per acre limed (lb.)	For lime	Per acre limed	
New York—Continued																		
Area 3a.....	9,849	6,544	25.2	100.0	100.0	364	1,465,533	9.56	2.63	3,232	6.8	100.0	100.0	3,347	496,172	11.99		
Commercial farms.....	6,844	5,524	27.6	84.4	95.1	363	1,398,943	9.59	2.64	2,907	7.3	89.9	94.1	93.8	3,360	474,492	12.23	
Class I.....	133	123	40.3	1.9	8.3	6.9	126,418	12.03	2.74	102	8.2	3.2	5.1	5.1	3,316	25,618	12.03	
Class II.....	895	815	34.6	12.5	28.3	27.9	420,245	9.83	2.66	594	10.8	18.4	30.5	32.3	3,158	170,449	12.74	
Class III.....	2,080	1,925	29.3	29.4	33.4	34.3	489,805	9.32	2.63	1,160	7.9	35.9	36.1	34.4	3,514	177,300	12.48	
Class IV.....	1,920	1,525	21.7	23.3	16.2	17.3	228,555	8.63	2.53	650	4.7	20.1	14.8	14.0	3,536	66,995	11.59	
Class V.....	1,321	896	18.9	13.7	7.5	7.5	113,600	9.92	2.70	326	4.7	10.1	6.7	6.9	3,227	29,460	10.30	
Class VI.....	495	240	13.0	3.7	1.4	1.4	37,200	9.17	2.69	75	2.5	2.3	1.0	1.0	3,318	4,670	10.99	
Other farms.....	3,005	1,020	9.2	15.6	4.9	4.8	66,590	9.02	2.42	325	3.2	10.1	5.9	6.2	3,155	21,680	8.40	
Area 3b.....	8,259	5,229	29.5	100.0	100.0	423	2,296,576	11.35	2.68	2,616	7.0	100.0	100.0	2,848	487,693	10.10		
Commercial farms.....	5,508	4,268	32.5	81.6	94.4	427	2,169,836	11.46	2.69	2,315	7.8	88.5	94.2	94.3	2,845	461,326	10.13	
Class I.....	198	183	54.9	3.5	26.1	14.1	627,925	21.99	2.81	121	13.3	4.6	10.7	14.3	2,139	66,238	9.59	
Class II.....	956	866	41.5	16.6	33.7	32.4	752,385	11.47	2.61	561	9.5	21.4	31.5	30.9	2,900	151,013	10.11	
Class III.....	1,551	1,366	29.1	26.1	19.0	25.0	441,910	8.73	2.73	846	7.6	32.3	30.3	27.5	3,143	142,430	10.73	
Class IV.....	1,256	1,001	24.1	19.1	9.8	13.4	213,105	7.89	2.54	471	6.1	18.0	14.4	14.1	2,913	68,070	10.00	
Class V.....	1,027	662	23.8	12.7	5.1	7.5	116,941	7.67	2.68	241	4.6	9.2	5.7	6.1	2,643	26,070	8.82	
Class VI.....	520	190	10.4	3.6	0.8	1.1	17,570	7.64	2.73	75	3.1	2.9	1.6	1.4	3,182	7,505	10.96	
Other farms.....	2,751	961	12.5	18.4	5.6	6.4	126,740	9.77	2.63	301	2.7	11.5	5.8	5.7	2,905	26,367	9.57	
Areas 4 and C.....	11,084	7,488	34.3	100.0	100.0	377	2,930,551	10.19	2.71	2,395	4.4	100.0	100.0	2,670	315,289	8.48		
Commercial farms.....	7,874	6,248	36.5	83.4	95.0	377	2,807,196	10.21	2.71	2,200	4.8	91.9	96.3	96.9	2,653	305,369	8.48	
Class I.....	248	233	49.7	3.1	15.9	11.9	503,866	14.91	2.96	118	8.5	4.9	14.3	15.7	2,438	49,597	8.50	
Class II.....	1,592	1,486	42.4	19.8	34.0	35.4	987,000	9.69	2.68	676	6.5	28.2	40.6	42.1	2,571	131,985	8.43	
Class III.....	2,273	2,028	35.8	27.1	27.3	29.0	797,135	9.54	2.69	796	3.9	33.2	26.6	24.4	2,911	84,677	9.33	
Class IV.....	1,911	1,481	27.9	19.8	12.3	12.8	338,785	9.23	2.55	400	3.1	16.7	10.6	11.1	2,581	27,580	6.66	
Class V.....	1,220	800	12.9	19.7	9.9	11.4	143,440	9.13	2.60	150	1.7	6.3	3.2	2.9	2,948	8,705	8.17	
Class VI.....	550	270	18.2	3.6	1.1	1.0	39,970	10.43	2.62	60	1.4	2.5	0.9	0.6	4,000	2,825	12.28	
Other farms.....	3,210	1,240	14.9	16.6	4.3	4.4	123,355	9.82	2.62	195	1.4	8.1	3.7	3.1	3,195	9,920	8.59	
Areas 5 and D.....	7,044	4,071	19.6	100.0	100.0	389	1,140,473	10.18	2.62	1,950	4.9	100.0	100.0	3,322	252,804	9.01		
Commercial farms.....	5,285	3,604	20.9	88.5	97.1	389	1,107,188	10.19	2.62	1,734	5.1	88.9	94.6	94.6	3,322	240,074	9.05	
Class I.....	90	94	52.7	2.3	30.6	18.2	359,978	17.68	2.70	68	10.2	3.5	9.5	14.1	2,243	24,919	6.30	
Class II.....	984	805	24.9	19.8	28.6	33.2	327,075	8.79	2.63	506	6.3	25.9	34.7	33.6	3,430	89,665	9.48	
Class III.....	1,970	1,495	18.1	36.7	24.8	31.1	271,120	7.78	2.51	700	4.3	35.9	33.5	29.8	3,737	81,860	9.80	
Class IV.....	1,332	800	12.9	19.7	9.9	11.4	111,680	8.75	2.60	320	2.9	16.4	11.3	10.1	3,714	26,820	9.48	
Class V.....	605	285	7.8	7.0	2.6	2.5	29,170	10.36	2.55	110	4.5	5.6	3.3	4.6	2,366	8,790	6.84	
Class VI.....	295	125	5.8	3.1	0.6	0.6	8,165	12.19	3.40	30	5.9	1.5	2.3	2.4	3,191	8,220	12.09	
Other farms.....	1,759	467	6.7	11.5	2.9	3.0	33,285	9.97	2.63	216	3.1	11.1	5.4	5.4	3,314	12,730	8.40	
Areas 6 and E.....	11,446	6,124	17.7	100.0	100.0	363	1,418,622	9.45	2.60	4,222	6.4	100.0	100.0	3,141	564,276	10.37		
Commercial farms.....	9,108	5,733	18.8	93.6	98.2	363	1,394,177	9.46	2.61	3,981	6.7	94.3	97.6	97.3	3,152	551,716	10.42	
Class I.....	375	138	38.7	2.3	14.9	10.9	216,646	13.19	2.66	126	12.0	3.0	9.3	9.4	3,125	68,481	13.40	
Class II.....	1,917	1,590	25.2	26.0	38.9	39.4	555,944	9.38	2.62	1,216	8.0	28.8	37.8	34.7	3,419	214,976	11.38	
Class III.....	3,147	2,429	17.3	39.7	30.4	34.0	435,462	8.53	2.63	1,609	6.2	38.1	34.3	33.5	3,215	189,694	10.41	
Class IV.....	2,247	1,351	10.8	18.8	10.8	10.4	147,320	9.45	2.50	755	5.7	17.9	12.6	15.2	2,621	61,175	7.40	
Class V.....	1,020	345	8.4	5.6	2.7	3.0	33,190	7.40	2.27	225	4.2	5.3	3.1	4.1	2,430	15,065	6.82	
Class VI.....	401	80	3.8	1.3	0.5	0.4	5,615	9.85	2.26	50	1.6	1.2	0.5	0.4	3,277	2,325	9.89	
Other farms.....	2,338	391	4.5	6.4	1.8	1.9	24,445	8.71	2.46	241	2.4	5.7	2.4	2.7	2,729	12,560	8.45	
Area 7.....	13,479	6,114	11.4	100.0	100.0	372	1,341,526	10.07	2.71	1,781	2.4	100.0	100.0	2,660	164,144	5.94		
Commercial farms.....	10,881	5,714	12.1	93.5	97.5	371	1,310,632	10.07	2.71	1,718	2.5	96.5	98.1	97.7	2,669	160,607	5.95	
Class I.....	102	84	28.0	1.4	9.0	6.1	137,149	16.89	3.08	23	4.9	1.3	4.6	5.2	3,179	9,647	6.75	
Class II.....	1,541	1,187	18.5	19.4	34.3	34.0	457,574	10.10	2.69	407	3.3	22.9	33.8	29.4	3,064	52,356	6.45	
Class III.....	3,681	2,425	12.3	39.7	34.9	38.3	465,118	9.12	2.69	847	3.1	47.6	42.0	46.9	2,497	71,421	5.51	
Class IV.....	3,209	1,377	7.4	22.5	14.9	14.9	192,120	9.67	2.60	326	1.3	18.3	12.0	12.4	2,586	21,358	6.25	
Class V.....	1,696	491	2.2	8.0	3.5	3.7	48,051	9.86	2.74	95	1.1	5.3	3.2	3.7	2,283	4,745	4.63	
Class VI.....	552	150	3.3	2.5	0.8	0.7	10,620	10.73	2.60	20	0.2	1.1	0.4	0.2	4,923	1,080	16.62	
Other farms.....	2,598	400	3.3	6.5	2.5	2.3	30,894	9.98	2.53	63	0.7	3.5	1.9	2.3	2,241	3,537	5.61	
Areas 8 and F.....	7,636	4,120	17.2	100.0	100.0	369	915,800	9.63	2.61	1,706	4.0	100.0	100.0	3,247	198,942	9.11		
Commercial farms.....	4,932	3,358	19.2	81.5	94.8	368	863,535	9.53	2.59	1,535	4.2	90.0	94.5	91.8	3,343	189,697	9.46	
Class I.....	334	99	35.8	2.4	14.3	11.3	126,030	11.74	2.51	57	6.4	3.3	6.8	8.7	2,534	19,175	10.04	
Class II.....	817	732	25.5	17.8	33.2	34.8	306,042	9.24	2.63	425	5.4	24.9	37.1	32.0	3,764	71,545	10.24	
Class III.....	1,394	1,083	17.9	26.3	27.2	28.7	249,593	9.14	2.62	547	4.4	32.1	31.0	30.7	3,277	63,615	9.48	
Class IV.....	1,403	912	13.4	22.1	14.6	14.6	129,000	9.26	2.52	350	3.3	20.5	14.8	15.6	3,078	26,505	7.78	
Class V.....	763	376	10.4	9.1	4.1	4.2	38											

USE OF FERTILIZER AND LIME

227

**Table 4—USE AND EXPENDITURES FOR FERTILIZER AND LIME BY ECONOMIC CLASS OF FARM, BY ECONOMIC AREAS:
CENSUS OF 1954—Continued**

State, economic area, and economic class of farm	Total number of farms	Farms reporting use of fertilizer	Fertilizer							Lime									
			Acres fertilized as a percent of total cropland plus improved pasture	Percent distribution of—		Quantity used per acre fertilized (lb.)	Expenditures (dollars)			Acres limed as a percent of total cropland plus improved pasture	Percent distribution of—		Quantity used per acre limed (lb.)	Expenditures (dollars)					
				Farms reporting use of fertilizer	Fertilizer used		Acres fertilized	For fertilizer	Per acre fertilized		Per cent. of fertilizer used	Farms reporting use of lime		Lime used	Acres limed	For lime	Per acre limed		
North Carolina, total.....	267,818	231,144	65.5	100.0	100.0	100.0	573	69,497,500	14.25	2.49	28,324	4.2	100.0	100.0	1,904	1,907,200	6.10		
Commercial farms.....	181,700	174,474	69.6	75.5	92.3	90.0	587	64,517,485	14.69	2.50	21,505	4.1	75.9	82.2	83.8	1,867	1,631,910	6.23	
Class I.....	1,003	850	76.4	0.4	3.8	3.9	560	2,599,099	13.54	2.42	326	7.5	1.2	6.5	6.0	2,041	127,095	6.48	
Class II.....	5,905	5,460	73.5	2.4	9.2	9.5	554	6,413,580	13.79	2.49	1,689	7.4	6.0	14.4	15.1	1,814	304,197	6.48	
Class III.....	27,537	26,777	75.3	11.6	23.5	22.1	608	16,652,112	15.42	2.54	4,400	4.3	15.5	18.5	19.8	1,782	406,213	6.58	
Class IV.....	62,132	60,503	72.2	26.2	32.0	29.7	617	22,724,335	15.09	2.54	6,796	3.0	24.0	18.9	19.6	1,833	389,360	6.36	
Class V.....	54,437	52,439	63.6	22.7	17.9	17.9	574	12,293,841	14.09	2.46	5,320	3.6	18.8	16.5	15.6	2,012	288,644	5.90	
Class VI.....	30,796	28,445	54.1	12.3	5.7	6.8	485	3,834,518	11.62	2.47	2,974	4.0	10.5	7.5	7.7	1,841	122,001	5.05	
Other farms.....	86,119	76,670	42.8	24.5	7.7	10.0	443	4,980,015	10.22	2.31	6,819	4.4	24.1	17.9	16.2	2,098	275,290	5.44	
Areas 1 and A.....	34,299	23,594	35.1	100.0	100.0	100.0	527	2,625,670	12.16	2.31	5,913	7.6	100.0	100.0	100.0	2,349	179,745	3.82	
Commercial farms.....	13,809	12,800	37.3	54.3	70.2	66.7	555	1,853,997	12.88	2.32	3,389	8.0	57.3	66.4	65.7	2,375	121,386	3.93	
Class I.....	62	52	61.4	0.2	6.7	3.3	1,069	190,092	26.53	2.48	22	5.4	0.4	2.0	1.4	3,433	4,700	7.40	
Class II.....	247	192	61.5	0.8	3.2	3.4	497	86,040	11.89	2.39	87	12.1	1.5	3.2	3.0	2,514	4,955	3.49	
Class III.....	634	607	58.3	2.6	8.1	9.1	469	213,307	10.85	2.31	232	15.4	3.9	7.9	11.0	1,679	12,901	2.48	
Class IV.....	1,560	1,470	38.9	6.2	12.5	11.9	515	332,990	12.99	2.35	617	8.8	10.4	15.1	13.3	2,678	27,546	4.44	
Class V.....	4,542	4,261	33.1	18.1	22.1	20.8	962	577,070	12.88	2.29	1,192	7.7	20.0	21.9	22.2	2,323	39,951	3.99	
Class VI.....	6,764	6,218	30.6	26.4	17.6	17.4	534	454,498	12.11	2.27	1,249	5.7	21.1	16.3	14.8	2,575	31,533	4.52	
Other farms.....	20,480	10,794	31.3	45.7	29.8	33.3	472	771,673	10.73	2.27	2,530	7.0	42.7	33.6	34.3	2,299	58,359	3.62	
Area 2.....	11,030	8,222	46.3	100.0	100.0	100.0	391	848,629	8.49	2.17	1,193	5.6	100.0	100.0	100.0	2,260	60,834	5.04	
Commercial farms.....	3,111	2,778	53.1	33.8	64.3	60.4	416	548,601	9.10	2.19	606	6.6	50.8	63.5	62.3	2,306	39,074	5.20	
Class I.....	62	46	61.1	0.6	3.3	2.6	492	31,930	12.19	2.48	26	18.6	2.2	4.5	6.6	1,547	2,557	3.22	
Class II.....	197	147	58.4	1.8	11.0	8.8	486	81,050	9.19	1.89	66	11.9	5.5	12.7	14.9	1,925	5,776	2.99	
Class III.....	294	214	58.8	2.6	6.4	7.2	352	61,498	8.61	2.45	62	7.8	5.2	8.7	7.9	2,494	10,375	10.91	
Class IV.....	522	477	57.9	5.7	13.0	11.7	431	114,625	9.78	2.27	164	7.6	13.7	20.7	12.8	3,652	8,906	5.76	
Class V.....	1,093	993	51.2	12.1	19.3	18.2	415	166,313	9.16	2.21	192	4.5	15.3	10.5	13.4	1,770	7,795	4.84	
Class VI.....	783	711	45.2	11.1	11.3	11.9	371	93,185	7.87	2.12	106	3.1	8.9	6.4	6.7	2,168	4,065	5.03	
Other farms.....	7,919	5,444	38.7	66.2	35.7	39.6	352	300,028	7.58	2.15	587	4.4	49.2	36.5	37.7	2,186	21,760	4.78	
Areas 3, B, and C.....	41,393	36,973	55.6	100.0	100.0	100.0	574	8,302,423	14.03	2.44	3,419	3.2	100.0	100.0	100.0	2,146	222,520	6.60	
Commercial farms.....	30,455	29,451	58.7	79.7	92.2	90.6	585	7,691,768	14.35	2.45	2,632	3.0	77.0	80.6	82.0	2,109	179,570	6.50	
Class I.....	99	84	72.8	0.2	1.9	2.9	373	150,722	8.81	2.36	44	9.3	1.3	4.5	6.5	1,491	8,481	3.89	
Class II.....	481	445	69.5	1.2	5.4	6.8	452	458,665	11.34	2.51	205	7.3	6.0	14.8	12.6	2,528	29,723	7.02	
Class III.....	2,074	1,999	65.7	5.4	12.9	13.4	552	1,049,973	13.21	2.39	438	4.0	12.8	15.4	14.5	2,282	33,420	6.84	
Class IV.....	9,603	9,412	59.6	25.5	34.9	32.6	615	2,933,387	15.23	2.47	878	2.0	25.7	18.7	19.3	2,088	45,452	7.00	
Class V.....	13,316	12,740	55.1	35.0	30.7	28.0	630	2,559,310	15.47	2.46	802	2.2	23.5	21.0	20.0	2,245	46,734	6.92	
Class VI.....	4,882	4,573	47.0	12.4	6.5	6.9	540	539,710	13.15	2.43	265	3.5	7.8	6.2	9.1	1,445	15,760	5.12	
Other farms.....	10,938	7,522	36.7	20.3	7.8	9.4	475	610,655	11.00	2.32	787	4.0	23.0	19.4	18.0	2,312	42,950	7.06	
Area 4a.....	12,478	10,436	52.1	100.0	100.0	100.0	405	1,961,175	9.31	2.30	1,347	4.7	100.0	100.0	100.0	2,099	124,945	6.60	
Commercial farms.....	6,363	5,833	55.4	55.9	83.3	80.8	417	1,643,815	9.66	2.32	1,001	5.3	74.3	86.8	85.7	2,128	109,067	6.72	
Class I.....	93	68	64.0	0.7	5.5	5.6	395	111,037	9.43	2.39	24	5.7	1.8	6.2	5.6	2,346	8,905	8.42	
Class II.....	380	335	61.2	3.2	13.0	11.4	459	254,125	10.56	2.30	129	11.8	9.1	23.4	24.5	2,178	33,057	7.13	
Class III.....	730	640	58.9	6.1	15.4	16.3	362	298,340	8.67	2.37	198	4.8	11.7	15.2	14.7	1,895	16,420	5.90	
Class IV.....	1,305	1,190	55.3	11.4	18.6	17.4	432	374,550	10.22	2.36	196	3.1	14.6	10.2	10.8	1,981	13,140	6.39	
Class V.....	2,335	2,190	50.8	21.0	21.6	19.7	442	426,098	10.25	2.32	358	5.5	26.4	25.3	23.8	2,231	29,385	6.52	
Class VI.....	1,520	1,410	50.7	13.5	9.2	10.3	363	179,765	8.29	2.29	145	2.8	10.8	6.5	6.3	2,169	8,160	6.89	
Other farms.....	6,115	4,603	41.7	44.1	16.7	19.2	353	317,360	7.85	2.23	346	2.8	25.7	13.2	14.3	1,926	15,878	5.85	
Area 4b.....	13,418	11,025	61.5	100.0	100.0	100.0	359	2,646,722	8.07	2.25	2,568	8.1	100.0	100.0	100.0	2,022	303,469	7.06	
Commercial farms.....	5,520	5,149	66.3	46.7	78.7	77.6	364	2,099,832	8.25	2.26	1,618	8.9	63.0	80.6	79.6	2,048	243,314	7.11	
Class I.....	42	42	73.4	0.4	3.3	2.9	437	84,363	8.99	2.15	31	10.0	1.2	3.2	3.0	2,148	10,406	8.13	
Class II.....	290	275	77.5	2.5	13.0	12.7	368	338,240	8.12	2.20	169	13.8	6.6	16.0	17.3	1,876	59,100	7.96	
Class III.....	615	580	73.4	5.3	18.5	16.9	392	518,109	9.33	2.38	283	3.8	9.9	11.0	21.3	17.5	2,468	60,283	8.03
Class IV.....	991	940	61.2	8.5	16.5	15.7	380	424,715	8.24	2.17	300	7.6	14.8	16.5	14.8	2,257	47,620	7.48	
Class V.....	1,826	1,696	63.1	15.4	17.7	18.5	343	470,275	7.73	2.25	500	8.0	19.2	18.5	18.3	2,034	51,085	6.47	
Class VI.....	1,756	1,616	57.9	14.7	9.6	10.8	319	264,130	7.44	2.33	255	6.1	9.9	5.1	8.7	1,183	14,820	3.96	
Other farms.....	7,898	5,876	49.3	53.3	21.3	22.4	341	546,890	7.42	2.18	950	5.9	37.0	19.4	20.4	1,921	60,155	6.85	
Areas 5 and D.....	22,228	18,771	66.1	100.0	100.0	100.0	441	4,690,152	9.65	2.19	2,122	4.1	100.0	100.0	100.0	2,125	170,586	5.67	
Commercial farms.....	11,016	10,469	72.4	55.8	80.1	79.6	444	3,756,079	9.72	2.19	1,542	4.6	72.7	81.7	82.0	2,118	139,086	5.64	
Class I.....	50	45	80.6	0.2	1.5	1.6	399	67,640	8.53	2.14	14	3.8	0.7	1.2	1.2	2,053	2,560	6.83	
Class II.....	369	329	76.0	1.8	7.5	7.9	418	340,539	8.87	2.12	126	7.2	5.9	10.6	12.2	1,855	19,692	5.39	

USE OF FERTILIZER AND LIME

229

**Table 4.—USE AND EXPENDITURES FOR FERTILIZER AND LIME BY ECONOMIC CLASS OF FARM, BY ECONOMIC AREAS:
CENSUS OF 1954—Continued**

State, economic area, and economic class of farm	Total number of farms	Fertilizer							Lime									
		Farms reporting use of fertilizer	Acres fertilized as a percent of total cropland plus improved pasture	Percent distribution of—			Quantity used per acre fertilized (lb.)	Expenditures (dollars)			Farms reporting use of lime	Acres limed as a percent of total cropland plus improved pasture	Percent distribution of—		Quantity used per acre limed (lb.)	Expenditures (dollars)		
				Farms reporting use of fertilizer	Fertilizer used	Acres fertilized		For fertilizer	Per acre fertilized	Per cent. of fertilizer used			Farms reporting use of lime	Lime used		Acres limed	For lime	Per acre limed
North Dakota—Continued																		
Area 3b.....	9,387	1,412	5.0	100.0	100.0	100.0	53	483,925	2.30	4.33	...	...	...	...	...	...
Commercial farms.....	9,115	1,411	5.0	99.9	99.6	99.8	53	481,925	2.30	4.33	...	...	...	...	...	...
Class I.....	120	62	18.0	4.4	14.0	13.6	55	68,625	2.40	4.39	...	...	...	...	...	...
Class II.....	1,253	490	9.4	34.7	45.4	46.2	52	218,245	2.25	4.30	...	...	...	...	...	...
Class III.....	3,042	558	3.6	39.5	27.3	27.2	53	132,938	2.33	4.36	...	...	...	...	...	...
Class IV.....	3,602	249	2.2	17.6	10.9	11.2	52	51,793	2.21	4.24	...	...	...	...	...	...
Class V.....	1,302	47	1.1	3.3	2.0	1.7	63	10,149	2.92	4.64	...	...	...	...	...	...
Class VI.....	396	5	0.1	0.4	(2)	(2)	52	125	1.67	3.12	...	...	...	...	...	...
Other farms.....	272	1	2.7	0.1	0.4	0.2	135	2,000	6.15	4.55	...	...	...	...	...	...
Area 3c.....	5,777	970	4.4	100.0	100.0	100.0	71	265,748	2.89	4.06	...	...	...	...	...	...
Commercial farms.....	5,562	960	4.4	99.0	99.8	99.8	71	265,223	2.89	4.06	...	...	...	...	...	...
Class I.....	37	16	13.7	1.6	7.6	6.7	81	17,330	2.82	3.47	...	...	...	...	...	...
Class II.....	668	256	8.5	26.4	39.2	39.8	70	105,797	2.89	4.12	...	...	...	...	...	...
Class III.....	1,800	406	3.8	41.9	32.2	31.9	72	84,673	2.89	4.01	...	...	...	...	...	...
Class IV.....	2,002	232	2.6	23.9	16.3	17.4	67	45,213	2.83	4.23	...	...	...	...	...	...
Class V.....	805	30	1.8	3.1	3.5	3.5	70	9,725	2.99	4.30	...	...	...	...	...	...
Class VI.....	250	20	1.9	2.1	0.9	0.6	113	2,885	4.52	4.01	...	...	...	...	...	...
Other farms.....	215	10	1.4	1.0	0.2	0.2	75	525	3.28	4.38	...	...	...	...	...	...
Area 4.....	9,157	4,252	23.5	100.0	100.0	100.0	77	2,653,034	3.13	4.05	...	...	...	...	...	...
Commercial farms.....	8,895	4,225	23.6	99.4	99.8	99.9	77	2,648,208	3.13	4.05	...	...	...	...	...	...
Class I.....	600	504	43.7	11.9	39.3	30.5	99	986,744	3.81	3.83	...	...	...	...	...	...
Class II.....	1,982	1,348	28.4	31.7	34.0	37.4	70	929,787	2.93	4.17	...	...	...	...	...	...
Class III.....	2,974	1,420	16.8	33.4	19.0	22.7	65	533,603	2.78	4.28	...	...	...	...	...	...
Class IV.....	2,142	723	11.9	17.0	6.2	7.5	63	163,224	2.55	4.03	...	...	...	...	...	...
Class V.....	946	205	7.6	4.8	1.1	1.6	57	30,730	2.33	4.11	...	...	...	...	...	...
Class VI.....	251	25	4.5	0.6	0.1	0.1	76	4,120	3.40	4.48	...	...	...	...	...	...
Other farms.....	262	27	5.5	0.6	0.2	0.1	105	4,826	4.71	4.47	...	...	...	...	...	...
Ohio, total.....	177,098	137,615	50.4	100.0	100.0	100.0	291	51,710,805	7.77	2.67	47,918	6.4	100.0	100.0	100.0	3,681	6,510,921	7.74
Commercial farms.....	123,457	110,820	52.2	80.5	95.2	95.7	289	49,332,674	7.74	2.67	40,502	6.4	84.5	93.0	92.5	3,702	5,947,606	7.64
Class I.....	3,018	2,860	60.2	2.1	11.0	8.9	361	5,924,881	10.03	2.78	1,268	6.5	26.6	7.6	7.5	3,721	445,781	7.04
Class II.....	19,744	19,302	57.5	14.0	31.5	31.8	288	16,685,376	7.88	2.73	7,661	6.0	16.0	27.2	26.2	3,825	1,643,037	7.46
Class III.....	32,497	31,406	53.3	22.8	28.1	29.9	274	14,359,547	7.21	2.63	12,356	6.4	25.8	28.7	28.6	3,697	1,870,055	7.77
Class IV.....	31,778	29,227	47.6	21.2	15.8	16.5	278	7,989,308	7.25	2.61	10,345	6.5	21.6	17.8	18.0	3,651	1,188,153	7.85
Class V.....	24,955	20,805	40.8	15.1	7.2	7.2	295	3,627,797	7.62	2.58	6,927	7.1	14.5	9.4	9.9	3,495	649,000	7.79
Class VI.....	11,465	7,220	30.4	5.2	1.5	1.5	298	745,765	7.57	2.54	1,945	5.9	4.1	2.2	2.3	3,574	151,580	7.88
Other farms.....	53,641	26,795	28.2	19.5	4.8	4.3	329	2,378,131	8.37	2.55	7,416	6.3	15.5	7.0	7.5	3,421	563,315	8.95
Areas 1 and A.....	21,638	17,819	52.6	100.0	100.0	100.0	273	8,407,827	7.48	2.74	3,345	2.9	100.0	100.0	100.0	2,760	360,218	5.82
Commercial farms.....	18,495	16,536	52.8	92.8	98.5	98.7	272	8,288,810	7.47	2.75	3,205	2.9	95.8	99.1	98.4	2,780	357,103	5.86
Class I.....	583	565	61.3	3.2	11.5	9.0	347	1,006,060	9.90	2.85	139	2.8	4.2	9.9	7.6	3,602	30,445	6.50
Class II.....	4,541	4,421	55.8	24.8	42.5	41.2	281	3,648,350	7.87	2.80	456	2.7	28.6	40.2	36.9	3,008	129,008	5.65
Class III.....	5,720	5,495	51.7	30.8	28.1	30.6	250	2,311,560	6.72	2.69	1,120	3.0	33.5	30.8	31.8	2,673	129,050	6.55
Class IV.....	4,486	4,055	46.8	22.8	12.6	13.7	250	1,015,625	6.58	2.63	645	3.0	19.3	12.7	16.1	2,177	49,340	4.96
Class V.....	2,350	1,770	43.1	9.9	3.5	3.7	257	280,375	6.76	2.63	285	3.5	8.5	5.1	5.4	2,597	17,965	5.34
Class VI.....	815	230	31.1	1.3	0.3	0.3	280	26,840	7.12	2.54	60	3.0	1.8	0.4	0.6	1,944	1,295	3.60
Other farms.....	3,143	1,283	43.3	7.2	1.5	1.3	298	119,017	7.86	2.64	140	2.8	4.2	0.9	1.6	1,497	3,115	3.13
Area 2.....	21,491	18,095	56.1	100.0	100.0	100.0	258	8,787,448	6.95	2.70	4,979	5.0	100.0	100.0	100.0	3,776	678,841	6.00
Commercial farms.....	18,715	17,069	56.3	94.3	98.6	98.7	258	8,667,623	6.94	2.70	4,878	5.0	98.0	98.8	98.6	3,781	670,946	6.01
Class I.....	433	417	61.3	2.3	9.5	7.8	312	846,433	8.56	2.74	178	4.8	3.6	7.2	6.9	3,979	47,176	6.08
Class II.....	3,981	3,946	59.0	21.8	38.4	37.3	265	3,449,620	7.31	2.76	1,605	5.8	32.2	42.5	40.9	3,923	288,395	6.23
Class III.....	6,301	6,186	55.5	34.2	32.7	34.4	245	2,839,075	6.52	2.67	1,725	4.6	34.6	31.3	32.0	3,690	207,600	5.73
Class IV.....	4,670	4,350	52.1	24.0	13.9	14.7	243	1,170,765	6.29	2.59	960	4.3	19.3	13.6	13.6	3,776	96,555	6.27
Class V.....	2,450	1,875	49.3	10.4	3.8	4.0	247	324,670	6.47	2.62	360	5.0	7.2	3.7	4.5	3,085	27,440	5.44
Class VI.....	880	295	43.3	1.6	0.4	0.4	260	37,060	7.21	2.78	50	7.5	1.0	0.5	0.8	2,452	3,680	4.16
Other farms.....	2,776	1,026	42.9	5.7	1.4	1.3	280	119,825	7.47	2.67	101	4.1	2.0	1.2	1.4	3,355	7,895	5.09
Areas 3, B, C, and D.....	32,425	25,978	58.2	100.0	100.0	100.0	276	13,450,591	7.45	2.70	5,393	4.4	100.0	100.0	100.0	3,835	985,986	7.17
Commercial farms.....	25,579	23,152	58.7	89.1	98.1	98.0	276	13,199,781	7.46	2.70	5,074	4.4	94.1	98.0	97.6	3,849	966,661	7.20
Class I.....	997	950	60.1	3.7	16.0	13.3	331	2,246,685	9.35	2.83	363	5.7	6.7	16.7	16.6	3,855	163,704	7.19
Class II.....	5,692	5,617	60.9	21.6	37.4	37.4	276	5,087,856	7.53	2.73	1,671	4.6	31.0	39.5	37.4	4,051	395,017	7.69
Class III.....	7,340	7,110	58.5	27.4	26.8	28.2	262	3,502,050	6.87	2.62	1,605	4.0	29.8	25.4	25.7	3,801	241,855	6.86
Class IV.....	6,095	5,535	55.5	21.3	12.7	13.5	259	1,674,395	6.87	2.65	925	3.8	17.2	10.9	12.1	3,449	112,380	6.74
Class V.....	4,065	3,150	51.4	12.1	4.4	4.7	260	578,725	6.80	2.62	415	4.1	7.7	4.4	5.0	3,404	44,045	6.44
Class VI.....	1,390	790	49.6	3.0	0.8	0.8	263	110,070	7.19	2.73	95	4.0	1.8	1.1	0.9	4,645	9,660	7.89
Other farms.....	6,846	2,826	41.2	10.9	1.9	2.0	270	250,810	7.05	2.61	319	3.8	5.9	2.0	2.4	3,256	19,325	5.93
Areas 4a and B.....	8,198	5,977	51.9	100.0	100.0	100.0	350	2,351,205	8.93	2.55	2,670	8.5	100.0	100.0	100.0	4,249	311,465	7.18
Commercial farms.....	5,056	4,446	54.6	74.4	94.5	94.5	350	2,220,895	8.92	2.55	2,204	8.7	82.5	92.5	91.8	4,2		

USE OF FERTILIZER AND LIME

Table 4.—USE AND EXPENDITURES FOR FERTILIZER AND LIME BY ECONOMIC CLASS OF FARM, BY ECONOMIC AREAS:
CENSUS OF 1954—Continued

State, economic area, and economic class of farm	Total number of farms	Fertilizer									Lime								
		Farms reporting use of fertilizer	Acres fertilized as a percent of total cropland plus improved pasture	Percent distribution of—			Quantity used per acre fertilized (lb.)	Expenditures (dollars)			Farms reporting use of lime	Acres limed as a percent of total cropland plus improved pasture	Percent distribution of—		Quantity used per acre limed (lb.)	Expenditures (dollars)			
				Farms reporting fertilizer	Fertilizer used	Acres fertilized		For fertilizer	Per acre fertilized	Per cwt. of fertilizer used			Farms reporting lime	Lime used		Acres limed	For lime	Per acre limed	
Ohio—Continued																			
Areas 5, F, G, and H...	20,815	15,805	45.1	100.0	100.0	100.0	347	3,890,619	9.02	2.60	8,513	11.8	100.0	100.0	100.0	3,882	1,095,794	9.69	
Commercial farms	10,879	9,999	49.7	63.3	86.2	86.0	348	3,371,775	9.09	2.61	6,287	12.9	73.9	86.3	85.1	3,934	938,721	9.75	
Class I	160	150	59.3	0.9	7.1	4.2	592	279,935	15.57	2.63	88	9.3	1.0	2.4	2.5	3,804	23,755	8.45	
Class II	1,026	971	55.6	6.1	19.1	17.2	386	746,605	10.08	2.61	716	14.3	8.4	17.5	16.9	4,015	186,775	9.77	
Class III	2,577	2,487	52.7	15.7	27.1	28.2	334	1,069,535	8.80	2.63	1,767	14.0	20.8	29.4	28.6	3,999	321,361	9.95	
Class IV	3,101	2,911	47.2	18.4	18.0	19.9	315	697,515	8.13	2.58	1,826	12.3	21.4	20.6	19.7	4,079	225,345	10.11	
Class V	2,755	2,520	44.9	15.9	11.8	13.2	312	464,840	8.17	2.62	1,425	12.0	16.7	12.7	13.4	3,677	143,035	9.44	
Class VI	1,260	960	33.3	6.1	3.0	3.4	308	113,345	7.71	2.50	465	10.4	5.5	3.7	4.1	5,005	38,450	8.39	
Other farms	9,936	5,806	28.8	36.7	13.8	14.0	342	518,844	8.56	2.50	2,226	8.0	26.1	13.7	14.9	3,587	157,073	9.33	
Area 6a	9,855	7,820	50.5	100.0	100.0	100.0	302	3,159,235	8.07	2.67	2,848	8.1	100.0	100.0	100.0	3,471	485,587	7.76	
Commercial farms	7,244	6,589	52.0	84.3	96.1	96.3	301	3,039,184	8.07	2.68	2,557	8.3	89.8	96.1	96.2	3,469	466,043	7.75	
Class I	145	145	60.5	1.9	11.2	8.7	385	363,444	10.62	2.76	104	16.3	3.7	14.2	14.8	3,340	62,615	6.78	
Class II	963	953	54.7	12.2	26.9	26.6	305	878,520	8.45	2.77	563	9.7	19.8	29.1	29.5	3,418	140,853	7.63	
Class III	1,710	1,680	51.0	21.5	27.7	28.0	299	863,970	7.88	2.64	795	7.3	27.9	29.0	25.2	4,001	135,945	8.63	
Class IV	2,060	1,950	51.9	24.9	19.5	21.4	274	595,295	7.09	2.58	625	6.6	21.9	15.3	16.9	3,144	81,165	7.66	
Class V	1,756	1,526	46.1	19.5	9.6	10.1	285	500,265	7.56	2.65	405	6.3	14.2	7.5	8.7	2,972	39,640	7.27	
Class VI	610	335	34.5	4.3	1.2	1.4	277	37,690	7.09	2.56	65	4.4	2.3	1.0	1.1	3,363	5,825	8.63	
Other farms	2,611	1,231	29.5	15.7	3.9	3.7	318	120,051	8.21	2.58	291	4.8	10.2	3.9	3.8	3,523	19,514	8.16	
Area 6b and J	15,931	11,765	34.5	100.0	100.0	100.0	332	2,680,731	8.96	2.70	6,471	10.4	100.0	100.0	100.0	3,615	846,623	9.41	
Commercial farms	8,955	7,959	37.6	67.6	86.8	86.6	333	2,333,996	9.01	2.71	4,746	11.1	73.3	85.4	84.7	3,647	678,503	8.90	
Class I	106	85	45.0	0.7	8.3	4.7	589	261,839	18.69	3.17	68	7.7	1.1	1.9	2.7	2,567	16,922	7.06	
Class II	440	415	47.6	3.5	12.1	11.8	343	334,697	9.52	2.78	295	10.4	4.6	10.2	8.5	4,321	79,001	10.30	
Class III	1,444	1,419	45.5	12.1	22.3	23.9	310	595,680	8.32	2.69	994	13.2	15.4	22.6	23.0	3,547	186,877	9.03	
Class IV	2,538	2,398	35.2	20.4	23.1	23.5	327	607,443	8.63	2.64	1,543	11.5	23.8	26.6	25.5	3,770	207,598	9.05	
Class V	2,837	2,477	31.6	21.1	16.6	17.8	310	428,062	8.06	2.60	1,356	10.4	21.0	18.5	19.4	3,448	146,715	8.42	
Class VI	1,590	1,165	25.5	9.9	4.3	4.9	292	106,275	7.20	2.47	490	8.7	7.6	5.7	5.6	3,676	41,390	8.17	
Other farms	6,976	3,806	22.6	32.4	13.2	13.4	328	346,735	8.64	2.63	1,725	7.8	26.7	14.6	15.3	3,437	168,120	12.19	
Area 7 and K	13,826	10,086	39.7	100.0	100.0	100.0	317	3,126,739	8.03	2.53	3,179	7.0	100.0	100.0	100.0	3,790	392,382	5.72	
Commercial farms	9,409	8,099	41.8	80.3	94.0	94.8	314	2,939,490	7.96	2.54	2,804	7.2	88.2	94.2	92.2	3,873	366,967	5.80	
Class I	109	104	52.5	1.0	4.4	4.4	320	137,569	8.02	2.51	56	8.1	1.8	5.0	3.9	4,938	20,307	7.65	
Class II	841	806	48.9	8.0	20.3	22.4	287	663,669	7.60	2.65	387	8.3	12.2	21.0	21.5	3,662	88,775	6.01	
Class III	2,122	1,982	45.3	19.7	31.7	32.4	310	993,252	7.87	2.54	936	8.2	29.4	32.0	33.1	3,697	125,175	5.51	
Class IV	2,577	2,217	37.8	22.0	21.0	20.8	321	653,695	8.09	2.52	760	6.7	23.9	23.0	20.9	4,171	83,245	5.81	
Class V	2,480	2,110	34.2	20.9	13.8	12.4	353	415,225	8.60	2.43	575	5.6	18.1	11.8	11.6	3,847	43,460	5.46	
Class VI	1,280	880	24.1	8.7	2.6	2.4	345	76,080	8.06	2.34	90	2.1	2.8	1.4	1.2	4,442	6,005	7.37	
Other farms	4,417	1,987	20.8	19.7	6.0	5.2	369	187,249	9.31	2.52	375	5.5	11.8	5.8	7.8	2,807	25,415	4.77	
Area 8a and L	10,224	7,041	33.3	100.0	100.0	100.0	337	1,233,386	8.86	2.63	1,721	6.4	100.0	100.0	100.0	3,353	199,383	7.43	
Commercial farms	4,409	3,746	37.0	53.2	80.1	81.0	334	997,766	8.85	2.65	1,206	7.2	70.1	81.9	81.6	3,365	161,318	7.36	
Class I	84	73	50.4	1.0	6.8	7.2	319	84,870	8.44	2.65	47	5.4	2.7	4.8	4.0	4,075	10,360	9.68	
Class II	206	174	42.7	2.5	14.2	13.2	317	152,671	8.28	2.61	72	6.0	4.2	10.0	9.6	3,476	19,893	7.69	
Class III	492	442	41.1	6.3	15.1	15.9	320	183,200	8.29	2.59	251	8.7	14.6	19.8	17.5	3,806	40,215	7.58	
Class IV	1,085	965	39.1	13.7	23.5	23.2	342	313,710	9.72	2.84	365	7.3	21.2	23.3	22.6	3,450	43,690	7.20	
Class V	1,387	1,197	31.2	17.0	15.8	15.0	356	188,460	9.02	2.53	351	8.6	20.4	17.9	21.3	2,810	35,525	6.21	
Class VI	1,155	895	23.4	12.7	6.4	6.5	334	74,855	8.30	2.49	120	4.6	7.0	6.2	6.6	3,112	11,635	6.54	
Other farms	5,815	3,295	23.4	46.8	19.9	19.0	353	235,620	8.93	2.53	515	4.4	29.9	18.1	18.4	3,300	38,065	7.72	
Area 8b	10,725	7,279	29.5	100.0	100.0	100.0	373	1,174,835	9.82	2.64	2,856	7.2	100.0	100.0	100.0	3,591	281,102	9.62	
Commercial farms	5,744	4,933	31.9	67.8	84.8	84.6	373	1,007,003	9.95	2.67	2,240	7.9	78.4	86.3	85.3	3,631	242,967	9.74	
Class I	35	25	26.7	0.3	0.9	1.0	348	11,535	9.61	2.76	20	8.7	0.7	1.1	1.3	2,923	4,355	11.17	
Class II	198	173	52.7	2.4	12.9	10.6	451	158,488	12.51	2.77	111	10.5	3.9	7.8	8.6	3,249	24,590	9.78	
Class III	665	609	35.1	8.4	19.3	19.1	374	233,180	10.21	2.73	368	8.7	12.9	16.5	19.4	3,066	51,942	9.17	
Class IV	1,416	1,351	34.3	18.6	24.9	25.6	361	292,410	9.56	2.65	701	8.7	24.5	27.0	26.4	3,679	73,590	9.54	
Class V	1,950	1,725	26.8	23.6	19.2	19.8	359	224,005	9.44	2.63	730	7.2	25.6	25.8	22.0	4,212	67,530	10.52	
Class VI	1,480	1,060	22.0	14.6	7.7	8.5	338	87,385	8.63	2.55	310	4.8	10.9	8.0	7.6	3,780	20,960	9.40	
Other farms	4,981	2,346	20.9	32.2	15.2	15.4	364	167,832	9.09	2.49	616	4.9	21.6	13.7	14.7	3,364	38,133	8.89	
Oklahoma, total	119,270	30,049	12.9	100.0	100.0	100.0	128	7,123,289	3.61	2.83	2,038	0.4	100.0	100.0	100.0	2,572	279,687	4.69	
Commercial farms	74,009	24,735	13.4	82.3	93.4	95.6	125	6,730,958	3.57	2.86	1,733	0.4	85.0	93.2	92.0	2,606	259,392	4.73	
Class I	1,527	696	15.5	2.3	8.4	9.1	119	712,489	3.98	3.35	70	0.7	3.4	12.1	13.7	2,278	27,604	3.38	
Class II	8,028	3,468	15.8	11.5	22.9	27.1	108	1,858,687	3.48	3.22	302	0.4	14.8	25.9	22.0	3,037	72,166	5.51	
Class III	15,048	5,572	13.0	18.5	24.9	26.2	121	1,770,634	3.42	2.82</									

USE OF FERTILIZER AND LIME

231

**Table 4—USE AND EXPENDITURES FOR FERTILIZER AND LIME BY ECONOMIC CLASS OF FARM, BY ECONOMIC AREAS.
CENSUS OF 1954—Continued**

State, economic area, and economic class of farm	Total number of farms	Fertilizer									Lime							
		Farms reporting use of fertilizer	Acres fertilized as a percent of total cropland plus improved pasture	Percent distribution of—			Quantity used per acre fertilized (lb.)	Expenditures (dollars)			Farms reporting use of lime	Acres limed as a percent of total cropland plus improved pasture	Percent distribution of—		Quantity used per acre limed (lb.)	Expenditures (dollars)		
				Farms reporting fertilizer	Fertilizer used	Acres fertilized		For fertilizer	Per acre fertilized	Per cent. of fertilizer used			Farms reporting lime	Limed used		Acres limed	For lime	Per acre limed
Oklahoma—Continued																		
Areas 3 and 4.....	12,083	3,538	24.1	100.0	100.0	100.0	160	1,128,981	4.31	2.69	445	1.4	100.0	100.0	100.0	2,890	69,710	4.59
Commercial farms.....	6,191	2,885	25.9	81.5	94.8	94.6	161	1,075,195	4.34	2.70	395	1.5	88.8	92.2	92.8	2,873	64,360	4.56
Class I.....	175	97	23.9	2.7	10.5	9.3	180	125,437	5.15	2.85	23	4.2	5.2	15.5	28.4	1,574	9,750	2.26
Class II.....	539	353	30.6	10.0	24.7	21.7	182	299,333	5.26	2.89	72	1.4	16.2	23.6	17.5	3,896	14,398	5.42
Class III.....	950	616	30.2	17.4	22.9	26.4	139	269,405	3.90	2.80	70	0.9	15.7	17.7	13.1	3,825	14,701	7.36
Class IV.....	1,557	881	27.2	24.9	21.6	23.6	147	231,304	3.75	2.55	122	1.3	27.4	19.9	19.7	2,929	14,037	4.70
Class V.....	1,696	673	19.7	19.0	12.7	11.3	180	125,546	4.24	2.36	83	1.3	18.7	13.7	13.1	3,023	10,134	5.11
Class VI.....	1,274	265	9.7	7.5	2.4	2.4	163	24,170	3.88	2.38	25	0.2	5.6	2.0	1.1	5,375	1,346	8.38
Other farms.....	5,892	653	10.8	18.5	5.2	5.4	154	53,786	3.82	2.48	50	0.8	11.2	7.8	7.2	3,114	5,350	4.89
Area 4.....	18,416	4,192	9.1	100.0	100.0	100.0	106	911,099	3.07	2.90	27	(2)	100.0	100.0	100.0	1,525	5,547	4.23
Commercial farms.....	15,757	4,036	9.3	96.3	98.4	99.1	105	898,414	3.06	2.91	17	(2)	63.0	88.0	84.7	1,584	5,097	4.59
Class I.....	399	163	9.5	3.9	10.0	8.9	119	114,310	4.31	3.63	2	0.2	7.4	41.4	32.4	1,948	2,082	4.90
Class II.....	2,134	721	9.9	17.2	24.9	28.1	94	247,360	2.97	3.17	5	(2)	18.5	25.0	9.5	4,000	1,000	8.00
Class III.....	3,995	1,172	10.0	28.0	30.7	31.8	102	263,402	2.79	2.74	5	(2)	18.5	1.5	4.6	500	115	1.92
Class IV.....	4,694	1,145	8.9	27.3	21.2	20.9	107	182,230	2.94	2.74	...	...	...	...	...	...	...	...
Class V.....	3,277	634	6.8	15.1	8.9	7.5	125	69,197	3.12	2.49	5	0.2	18.5	20.0	38.2	800	1,900	3.80
Class VI.....	1,252	201	6.7	4.8	2.7	1.9	152	21,315	3.81	2.50	...	...	...	...	...	...	...	...
Other farms.....	2,659	156	2.9	3.7	1.6	0.9	196	12,685	4.90	2.50	10	0.2	37.0	12.0	15.3	1,200	450	2.25
Area 5 and 6.....	16,170	4,533	21.9	100.0	100.0	100.0	141	981,951	3.67	2.60	301	0.5	100.0	100.0	100.0	2,313	27,707	4.50
Commercial farms.....	8,794	3,691	24.2	81.4	92.3	94.0	139	911,036	3.62	2.61	251	0.5	83.4	88.7	89.8	2,286	24,402	4.42
Class I.....	106	57	29.1	1.3	3.3	3.4	135	37,358	4.08	3.03	3	1.7	1.0	8.8	8.5	2,381	1,893	3.61
Class II.....	652	444	35.4	9.8	22.8	26.0	124	261,810	3.77	3.04	17	0.4	5.6	7.0	14.2	1,131	2,345	2.68
Class III.....	1,294	795	26.0	17.5	25.9	24.5	149	236,381	3.60	2.41	71	0.6	23.6	24.0	25.8	2,157	8,326	5.26
Class IV.....	2,112	1,088	24.7	24.0	22.3	23.4	135	218,554	3.50	2.59	74	0.5	24.6	24.0	19.9	2,364	6,353	5.20
Class V.....	2,831	971	17.0	21.4	14.7	14.0	148	125,878	3.35	2.26	61	0.5	20.3	18.4	16.9	2,513	4,130	3.97
Class VI.....	1,799	336	8.2	7.4	3.3	2.7	173	31,055	4.32	2.49	25	0.3	8.3	6.0	4.5	3,091	1,355	4.93
Other farms.....	7,376	842	8.9	18.6	7.7	6.0	182	70,915	4.44	2.45	50	0.3	16.6	11.3	10.2	2,556	3,305	5.25
Area 6.....	8,417	2,091	14.8	100.0	100.0	100.0	174	395,068	4.36	2.51	121	0.6	100.0	100.0	100.0	3,001	16,420	4.62
Commercial farms.....	3,620	1,629	17.8	77.9	87.2	90.0	168	344,469	4.22	2.51	96	0.7	79.3	93.5	87.3	3,214	14,825	4.78
Class I.....	47	25	31.3	1.2	6.4	11.0	100	22,575	2.26	2.25	2	0.2	1.7	1.5	1.4	3,200	196	3.92
Class II.....	119	89	29.0	4.3	13.7	11.8	202	50,294	4.72	2.34	11	0.5	9.1	3.9	4.9	2,391	746	4.29
Class III.....	366	190	18.6	9.1	15.0	15.2	172	70,605	5.13	2.98	18	0.5	14.9	6.6	9.4	2,108	1,163	3.48
Class IV.....	657	387	19.0	18.5	23.7	24.0	171	93,103	4.27	2.49	23	1.4	19.0	64.8	46.4	4,193	9,136	5.54
Class V.....	1,126	481	13.0	23.0	17.7	16.9	182	64,245	4.19	2.30	22	0.5	18.2	7.6	15.6	1,463	1,829	3.30
Class VI.....	1,305	457	12.2	21.9	10.7	11.1	167	43,647	4.35	2.60	20	0.4	16.5	9.1	9.6	2,853	1,755	5.16
Other farms.....	4,797	462	5.8	22.1	12.8	10.0	223	50,599	5.57	2.50	25	0.3	20.7	6.5	12.7	1,533	1,595	3.54
Area 7a.....	6,544	1,170	9.8	100.0	100.0	100.0	172	238,018	4.47	2.61	95	0.3	100.0	100.0	100.0	2,089	5,275	3.49
Commercial farms.....	3,605	969	10.7	82.8	92.3	93.0	170	220,358	4.46	2.61	80	0.3	84.2	85.7	88.4	2,025	4,640	3.47
Class I.....	67	31	13.0	2.6	12.0	12.1	170	29,415	4.56	2.99	3	0.3	3.2	18.4	11.3	3,392	670	3.92
Class II.....	164	77	13.5	6.6	13.6	15.0	157	40,159	5.05	3.22	2	0.1	2.1	8.1	5.3	3,200	485	6.06
Class III.....	485	181	14.6	15.5	26.2	23.0	195	61,829	5.06	2.59	5	0.2	5.3	6.6	9.9	133	20	0.13
Class IV.....	895	234	8.4	20.0	17.2	18.0	164	39,596	4.15	2.53	20	0.2	21.1	25.3	16.5	3,200	1,545	6.18
Class V.....	1,136	251	8.1	21.5	16.2	16.1	172	32,944	3.84	2.23	20	0.3	21.1	16.2	21.8	1,545	1,065	3.23
Class VI.....	858	195	9.9	16.7	7.1	8.8	139	16,415	3.50	2.52	30	0.7	31.6	17.1	23.5	1,521	855	2.41
Other farms.....	2,939	201	4.5	17.2	7.7	7.0	188	17,660	4.73	2.52	15	0.2	15.8	14.3	11.6	2,571	635	3.63
Area 7b.....	4,320	1,479	21.4	100.0	100.0	100.0	164	249,701	3.51	2.13	59	0.5	100.0	100.0	100.0	1,624	9,613	6.12
Commercial farms.....	2,411	1,138	23.6	76.9	93.5	94.6	162	232,325	3.45	2.12	39	0.4	66.1	85.1	80.3	1,722	8,513	6.76
Class I.....	24	13	32.6	0.9	4.6	8.7	87	14,299	2.31	2.07	1	0.4	1.7	11.8	4.8	4,200	1,500	20.00
Class II.....	88	45	26.4	3.0	11.1	13.4	137	21,601	2.27	1.66	2	0.1	3.4	2.4	1.9	2,000	150	5.00
Class III.....	275	155	27.0	10.5	23.5	30.5	188	56,897	3.89	2.07	10	0.8	16.9	19.6	27.1	1,176	550	1.29
Class IV.....	588	351	23.4	23.7	28.0	26.8	172	70,622	3.70	2.16	16	0.6	27.1	38.8	30.6	2,062	5,273	10.99
Class V.....	718	309	20.5	20.9	14.8	17.2	141	39,621	3.23	2.29	5	0.3	2.5	0.2	9.6	133	43	0.27
Class VI.....	718	265	16.3	17.9	11.6	8.0	238	29,285	5.11	2.15	5	0.3	8.5	11.8	6.4	3,000	1,000	10.00
Other farms.....	1,909	341	8.1	23.1	6.5	5.4	199	17,376	4.55	2.29	20	0.7	33.9	14.9	19.7	1,226	1,100	3.55
Area 8a.....	16,218	3,073	22.2	100.0	100.0	100.0	167	750,396	4.56	2.73	256	1.1	100.0	100.0	100.0	2,878	35,345	4.36
Commercial farms.....	4,511	2,267	25.1	73.8	91.1	91.2	167	694,791	4.62	2.77	231	1.3	90.2	95.2	94.8	2,890	32,960	4.29
Class I.....	55	46	29.2	1.5	10.4	10.4	167	97,919	5.72	3.42	10	2.7	3.9	24.9	19.6	3,658	5,460	3.43
Class II.....	211	178	31.6	5.8	16.6	16.0	173	137,338	5.21	3.01	10	2.4	14.1	24.4	24.6	2,854	6,932	4.49
Class III.....	484	347	34.0	11.3	23.0	21.6	178	173,901	4.88	2.74	57	1.8	22.3	22.8	22.8	2,876	8,690	4.70
Class IV.....	940	590	25.6	19.2	19.1	20.1	158	134,617	4.06	2.56	38							

USE OF FERTILIZER AND LIME

Table 4.—USE AND EXPENDITURES FOR FERTILIZER AND LIME BY ECONOMIC CLASS OF FARM, BY ECONOMIC AREAS: CENSUS OF 1954—Continued

State, economic area, and economic class of farm	Total number of farms	Fertilizer							Lime									
		Farms reporting use of fertilizer	Acres fertilized as a percent of total cropland plus improved pasture	Percent distribution of—			Quantity used per acre fertilized (lb.)	Expenditures (dollars)			Farms reporting use of lime	Acres limed as a percent of total cropland plus improved pasture	Percent distribution of—		Quantity used per acre limed (lb.)	Expenditures (dollars)		
				Farms reporting fertilizer	Acres fertilized			For fertilizer	Per acre fertilized	Per cent. of fertilizer used			Farms reporting lime	Lime used		Acres limed	For lime	Per acre limed
Oregon, total.....	54,442	21,712	23.1	100.0	100.0	100.0	226	11,674,079	8.89	3.93	1,737	0.4	100.0	100.0	100.0	2,900	357,254	14.89
Commercial farms.....	32,124	17,483	23.8	80.5	97.2	97.2	226	11,375,165	8.91	3.94	1,369	0.4	78.8	90.6	87.6	3,000	321,946	15.31
Class I.....	3,130	2,279	24.2	10.5	45.2	44.0	232	5,476,525	9.47	4.08	155	0.3	8.9	20.9	25.7	2,351	79,856	12.92
Class II.....	6,478	4,513	26.4	20.8	28.3	28.2	227	3,338,889	9.02	3.98	349	0.4	20.1	34.3	24.0	4,157	126,031	21.91
Class III.....	6,853	4,228	25.4	19.5	13.1	14.3	207	1,479,067	7.86	3.79	396	0.5	22.8	20.8	16.5	3,652	63,266	16.00
Class IV.....	6,945	3,158	17.1	14.5	6.5	6.4	230	666,965	7.99	3.48	237	0.6	13.6	6.3	11.7	1,557	24,313	8.62
Class V.....	6,444	2,734	17.7	12.6	3.6	3.8	211	354,018	7.04	3.35	172	0.7	9.9	6.9	7.7	2,618	23,705	12.84
Class VI.....	2,274	571	10.0	2.6	0.5	0.5	249	59,701	9.15	3.67	60	0.7	3.5	1.4	2.0	2,063	4,775	10.05
Other farms.....	22,518	4,229	11.1	19.5	2.8	2.8	231	298,914	8.20	3.56	368	0.9	21.2	9.4	12.4	2,194	35,308	11.87
Area 1a.....	5,805	1,378	10.9	100.0	100.0	100.0	296	238,796	10.51	3.55	211	0.9	100.0	100.0	100.0	4,588	42,841	21.95
Commercial farms.....	2,926	1,053	12.2	76.4	91.4	91.6	296	218,226	10.48	3.55	151	0.8	71.6	79.5	65.7	5,551	33,386	26.04
Class I.....	87	21	7.9	1.5	10.0	6.3	470	22,070	15.35	3.26	1	0.1	0.5	0.7	0.5	6,000	9,240	24.00
Class II.....	531	301	18.0	21.8	38.2	39.4	238	92,426	10.33	3.59	62	1.4	29.4	53.1	36.2	6,721	20,750	29.35
Class III.....	772	310	14.9	22.5	23.3	24.8	278	56,666	10.06	3.62	42	0.7	19.9	15.5	14.1	5,043	6,608	23.94
Class IV.....	710	203	6.5	14.7	11.5	10.0	342	28,019	12.33	3.61	26	0.5	12.3	4.3	8.4	2,329	2,003	12.21
Class V.....	590	158	8.1	11.5	6.8	9.2	220	15,555	7.45	3.38	15	0.3	7.1	4.6	3.8	5,467	3,305	44.07
Class VI.....	236	60	11.0	4.4	1.5	1.9	232	3,490	7.93	3.42	5	1.3	2.4	1.3	2.6	2,400	480	9.60
Other farms.....	2,879	325	5.1	23.6	8.6	8.4	302	20,570	10.77	3.57	60	1.8	28.4	20.5	34.3	2,746	9,455	14.11
Area 1b.....	6,261	1,910	23.7	100.0	100.0	100.0	241	444,434	7.37	3.06	165	0.7	100.0	100.0	100.0	2,549	20,501	11.03
Commercial farms.....	2,567	1,148	28.4	60.1	89.2	88.7	242	397,834	7.44	3.07	105	0.8	63.6	85.6	79.3	2,753	16,616	11.27
Class I.....	135	99	49.7	5.2	31.8	22.6	338	152,322	11.18	3.30	1	0.1	0.6	3.8	1.6	6,000	900	30.00
Class II.....	372	251	33.5	13.1	19.6	19.6	241	91,395	7.74	3.21	18	0.9	10.9	13.3	17.1	1,890	3,576	11.28
Class III.....	496	259	32.8	13.6	19.2	23.4	197	77,228	5.48	2.78	34	1.3	20.6	36.6	30.5	3,058	5,770	10.18
Class IV.....	581	200	11.8	10.5	7.0	7.6	222	29,498	6.47	2.91	16	0.5	9.7	12.0	10.5	2,913	2,765	14.18
Class V.....	734	298	24.3	15.6	10.9	14.5	182	44,111	5.06	2.78	21	0.7	12.7	13.3	12.6	2,681	3,310	14.09
Class VI.....	249	41	8.9	2.1	0.7	1.2	155	3,280	4.72	3.04	15	1.7	9.1	0.6	7.0	2,31	295	2.27
Other farms.....	3,694	762	10.3	39.9	10.8	11.3	230	46,600	6.86	2.98	60	0.6	36.4	14.4	20.7	1,766	3,885	10.09
Areas 2a and A.....	18,962	8,852	39.1	100.0	100.0	100.0	285	3,309,776	11.31	3.97	903	1.2	100.0	100.0	100.0	3,108	134,351	15.32
Commercial farms.....	10,937	7,019	42.4	79.3	96.2	96.1	285	3,193,132	11.36	3.99	742	1.2	82.2	91.6	90.2	3,157	122,191	15.45
Class I.....	788	640	58.0	7.2	31.1	23.6	376	1,033,396	14.99	3.99	64	1.0	7.1	13.3	13.7	3,009	19,628	16.29
Class II.....	1,927	1,564	48.8	17.7	32.9	33.5	230	1,106,980	11.31	4.04	192	1.2	21.3	29.2	28.0	3,248	38,455	15.68
Class III.....	2,319	1,794	41.1	20.3	17.9	22.6	225	600,931	9.08	4.04	246	1.3	27.2	29.0	24.6	3,663	37,928	17.60
Class IV.....	2,482	1,395	27.8	15.8	8.5	9.5	255	271,440	3.80	3.84	120	0.9	13.3	7.0	9.9	2,184	9,890	11.37
Class V.....	2,526	1,301	26.4	14.7	4.8	5.9	231	146,825	8.49	3.67	90	1.5	10.0	10.3	11.1	2,882	12,700	13.03
Class VI.....	895	325	17.9	3.7	1.1	1.0	285	33,560	10.93	3.83	30	1.5	3.3	2.8	2.9	3,080	3,590	24.36
Other farms.....	8,025	1,833	13.4	20.7	3.8	3.9	277	116,644	10.11	3.65	161	1.0	17.8	8.4	9.8	2,651	12,160	14.14
Area 2b.....	10,003	4,083	46.7	100.0	100.0	100.0	234	2,881,663	8.92	3.81	346	1.4	100.0	100.0	100.0	2,707	150,394	15.02
Commercial farms.....	5,452	3,341	50.0	81.8	97.9	97.3	236	2,821,179	8.98	3.81	319	1.4	82.6	93.9	90.3	2,815	141,231	15.62
Class I.....	481	441	74.4	10.8	48.6	38.1	299	1,375,508	11.16	3.73	75	2.7	19.4	36.0	44.9	2,171	55,087	12.26
Class II.....	1,163	905	54.3	22.2	30.0	33.3	211	905,945	8.42	3.98	75	1.3	19.4	37.8	22.4	4,574	63,104	18.13
Class III.....	1,088	698	37.5	17.1	10.2	14.3	167	290,044	6.26	3.74	58	0.7	15.0	12.3	9.1	3,665	12,620	23.93
Class IV.....	1,170	630	30.7	15.4	5.6	7.1	185	153,177	6.69	3.61	60	1.3	15.5	4.3	9.6	1,212	6,420	6.65
Class V.....	1,173	572	23.0	14.0	2.9	3.8	177	82,740	6.69	3.77	41	0.7	10.6	3.3	3.9	2,285	3,590	9.30
Class VI.....	377	95	13.9	2.3	0.5	0.6	205	13,765	7.50	3.66	10	0.3	2.6	0.2	0.4	1,333	410	9.11
Other farms.....	4,551	742	13.9	18.2	2.1	2.7	181	60,484	6.85	3.79	67	1.5	17.4	6.1	9.7	1,701	9,163	9.70
Area 3.....	3,631	1,614	17.9	100.0	100.0	100.0	81	1,659,283	5.07	6.22	11	(2)	100.0	100.0	100.0	960	136	5.44
Commercial farms.....	2,669	1,392	17.9	86.2	97.9	99.1	81	1,635,120	5.04	6.26	11	(2)	100.0	100.0	100.0	960	136	5.44
Class I.....	770	487	19.0	30.2	62.0	75.6	67	1,210,595	4.89	7.32	1	(2)	9.1	16.7	60.0	267	36	2.40
Class II.....	737	418	15.1	25.9	23.5	17.8	108	303,662	5.22	4.84	...	...	...	...	...	...	...	...
Class III.....	381	222	17.9	13.8	6.8	3.3	165	69,553	6.35	3.85	10	(2)	90.9	83.3	40.0	2,000	100	10.00
Class IV.....	326	136	17.5	8.4	2.8	1.6	139	31,434	5.92	4.25	...	...	...	...	...	...	...	...
Class V.....	302	108	10.3	6.7	2.7	0.7	323	18,750	8.31	2.57	...	...	...	...	...	...	...	...
Class VI.....	153	21	2.1	1.3	0.1	(2)	186	1,126	8.04	3.33	...	...	...	...	...	...	...	...
Other farms.....	962	222	16.0	13.8	2.1	0.9	189	24,163	8.26	4.36	...	...	...	...	...	...	...	...
Area 4.....	9,780	3,875	14.6	100.0	100.0	100.0	313	3,140,127	10.93	3.49	61	0.1	100.0	100.0	100.0	1,111	9,031	6.53
Commercial farms.....	7,573	3,350	14.8	91.1	99.0	98.5	315	3,109,674	10.99	3.49	41	0.1	67.2	95.4	93.8	2,130	8,386	6.47
Class I.....	869	591	16.3	15.3	55.1	42.9	401	1,682,634	13.64	3.40	13	0.1	21.3	58.6	30.8	2,118	3,965	9.33
Class II.....	1,748	1,074	16.2	27.7	24.7	29.9	258	838,481	9.76	3.78	2	(2)	3.3	1.0	2.3	500	146	4.56
Class III.....	1,797	945	14.4	24.4	11.4	15.7	227	384,645	8.54	3.72	6	(2)	9.8	5.2	2.9	2,000	240	6.00
Class IV.....	1,676	594	9.8	15.3	5.9	7.2	257	153,397	7.39	2.87	15	0.3	24.6	24.1	45.2	592	3,235	5.18
Class V.....	1,119	297	9.4	7.7	1.8	2.6	214	46,037	6.12	2.86	5							

USE OF FERTILIZER AND LIME

**Table 4.—USE AND EXPENDITURES FOR FERTILIZER AND LIME BY ECONOMIC CLASS OF FARM, BY ECONOMIC AREAS:
CENSUS OF 1954—Continued**

State, economic area, and economic class of farm	Total number of farms	Fertilizer									Lime								
		Farms reporting use of fertilizer	Acres fertilized as a percent of total cropland plus improved pasture	Percent distribution of—			Quantity used per acre fertilized (lb.)	Expenditures (dollars)			Farms reporting use of lime	Acres limed as a percent of total cropland plus improved pasture	Percent distribution of—			Expenditures (dollars)			
				Farms reporting use of fertilizer	Fertilizer used	Acres fertilized		For fertilizer	Per acre fertilized	Per cent. of fertilizer used			Farms reporting use of lime	Lime used	Acres limed	For lime	Per acre limed		
Pennsylvania—Continued																			
Area 1b.....	8,522	6,014	33.0	100.0	100.0	100.0	330	1,237,514	8.54	2.59	3,406	10.0	100.0	100.0	100.0	3,001	367,313	8.34	
Commercial farms.....	4,495	3,867	37.0	64.3	84.0	84.2	329	1,039,040	8.51	2.59	2,449	11.2	71.9	84.7	84.1	3,023	312,272	8.44	
Class I.....	41	26	42.6	0.4	1.5	1.9	259	19,448	6.95	2.69	20	9.0	0.6	1.4	1.3	3,064	5,834	9.89	
Class II.....	452	421	46.9	7.0	21.6	18.5	385	282,185	10.52	2.73	341	15.4	10.0	20.0	20.0	3,007	82,205	9.34	
Class III.....	923	873	41.4	14.5	23.9	24.5	322	297,716	8.39	2.60	625	13.6	18.3	28.0	26.5	3,167	98,620	8.45	
Class IV.....	1,287	1,171	34.9	19.5	20.1	22.0	302	242,446	7.62	2.52	698	8.5	20.5	18.1	17.6	3,094	63,583	8.22	
Class V.....	1,102	931	31.0	15.5	13.0	13.2	327	155,845	8.17	2.50	510	10.0	15.0	12.2	13.9	2,619	46,605	7.60	
Class VI.....	690	445	22.0	7.4	3.8	4.2	297	41,400	8.24	2.30	255	7.6	7.5	5.0	4.7	3,200	15,425	7.43	
Other farms.....	4,032	2,147	20.9	35.7	16.0	15.8	335	198,474	8.70	2.60	957	6.4	28.1	15.3	15.9	2,881	55,041	7.85	
Area 2.....	11,498	7,325	22.4	100.0	100.0	100.0	365	1,635,488	9.31	2.55	5,166	10.7	100.0	100.0	100.0	2,723	803,169	9.59	
Commercial farms.....	8,851	6,539	23.9	89.3	96.0	95.8	365	1,567,173	9.31	2.55	4,634	11.2	89.7	94.6	93.7	2,749	760,533	9.69	
Class I.....	98	72	34.0	1.0	6.5	3.8	623	117,456	17.58	2.82	65	14.9	1.3	3.8	3.5	2,950	30,028	10.23	
Class II.....	1,198	1,073	29.6	14.6	29.6	27.9	387	486,027	9.91	2.56	951	14.6	18.4	29.8	28.8	2,816	253,271	10.48	
Class III.....	2,903	2,458	25.3	33.6	34.7	37.1	342	565,635	8.68	2.54	1,846	12.3	35.7	37.2	37.7	2,691	294,270	9.32	
Class IV.....	2,887	2,106	19.7	28.8	18.8	20.7	333	298,245	8.21	2.47	1,272	8.3	24.6	18.0	18.2	2,690	140,779	9.24	
Class V.....	1,280	690	16.0	9.4	5.5	5.4	371	86,450	9.08	2.44	400	6.5	7.7	4.9	4.6	2,908	35,150	9.12	
Class VI.....	485	140	9.2	1.9	0.8	0.9	314	13,360	8.20	2.61	100	4.3	1.9	0.9	0.9	2,614	7,035	9.20	
Other farms.....	2,647	786	9.2	10.7	4.0	4.2	354	68,315	9.35	2.64	532	6.6	10.3	5.4	6.3	2,333	42,636	8.11	
Area 3.....	3,897	2,891	42.0	100.0	100.0	100.0	359	914,748	9.58	2.67	1,342	9.1	100.0	100.0	100.0	2,436	125,984	6.08	
Commercial farms.....	2,400	2,069	47.3	71.6	92.0	91.6	360	844,823	9.65	2.68	1,031	9.4	76.8	86.7	84.2	2,511	106,942	6.13	
Class I.....	35	30	70.0	1.0	6.5	5.1	456	62,275	12.74	2.79	25	12.3	1.9	6.6	4.1	3,860	5,990	6.97	
Class II.....	192	181	59.1	6.3	19.6	15.8	446	181,722	12.04	2.70	116	12.2	8.6	16.6	16.1	2,504	22,432	6.71	
Class III.....	630	610	54.3	21.1	35.5	35.7	357	331,310	9.70	2.72	365	9.7	27.2	30.4	29.5	2,505	38,195	6.24	
Class IV.....	677	592	42.5	20.5	17.5	20.5	307	155,555	7.96	2.60	305	8.0	22.7	21.4	17.7	2,947	27,220	7.41	
Class V.....	586	446	34.1	15.4	9.8	11.2	314	87,911	8.23	2.62	165	5.3	12.3	8.8	8.1	2,647	10,095	6.04	
Class VI.....	280	210	30.2	7.3	3.0	3.3	324	26,050	8.23	2.54	55	7.3	4.1	3.0	8.6	860	3,010	1.69	
Other farms.....	1,497	822	18.8	28.4	8.0	8.4	343	69,925	8.75	2.55	311	7.7	23.2	13.3	15.8	2,039	19,042	5.80	
Area 4a.....	7,852	5,607	33.6	100.0	100.0	100.0	309	1,201,586	8.09	2.62	3,206	10.6	100.0	100.0	100.0	2,637	339,355	7.23	
Commercial farms.....	4,047	3,557	38.2	63.4	84.3	84.5	308	1,022,001	8.14	2.64	2,221	12.1	69.3	85.7	84.5	2,677	289,620	7.30	
Class I.....	22	22	22.0	0.4	3.6	2.5	438	52,016	13.88	3.17	15	30.1	0.5	1.5	3.3	1,150	4,515	2.88	
Class II.....	240	220	42.9	3.9	14.0	12.4	349	173,030	9.40	2.69	187	14.9	5.8	14.0	13.6	2,707	51,098	7.99	
Class III.....	822	787	46.1	14.0	26.3	26.4	307	316,945	8.06	2.62	557	12.5	17.4	25.9	22.7	3,011	85,597	8.05	
Class IV.....	1,092	1,052	37.4	18.8	21.4	22.2	298	255,860	7.76	2.60	612	10.5	19.1	21.2	19.7	2,831	72,915	7.88	
Class V.....	966	796	32.1	14.2	11.9	13.6	270	139,190	6.87	2.54	490	10.4	15.3	13.6	14.0	2,564	44,525	6.79	
Class VI.....	905	680	24.6	12.1	7.1	7.3	300	84,960	7.86	2.62	360	11.9	11.2	9.7	11.2	2,290	30,970	5.90	
Other farms.....	3,805	2,050	20.4	36.6	15.7	15.5	312	179,585	8.80	2.50	985	6.5	30.7	14.3	15.5	2,419	49,735	6.82	
Area D.....	10,491	6,216	23.9	100.0	100.0	100.0	331	1,103,715	8.40	2.54	3,731	9.0	100.0	100.0	100.0	2,797	406,367	8.17	
Commercial farms.....	5,227	4,002	26.4	64.4	83.2	85.2	323	932,610	8.33	2.58	2,613	9.6	70.0	85.0	81.7	2,910	342,330	8.43	
Class I.....	88	68	36.0	1.1	3.9	3.3	391	43,355	9.94	2.54	40	9.8	1.1	2.6	2.4	3,063	10,935	9.23	
Class II.....	492	447	36.6	7.2	19.7	18.8	346	230,191	9.31	2.69	342	12.5	9.2	17.6	16.9	2,921	74,460	8.86	
Class III.....	1,225	1,070	28.3	17.2	26.1	27.7	311	291,080	8.00	2.57	820	11.7	22.0	31.3	30.2	2,895	130,035	8.66	
Class IV.....	1,462	1,182	24.6	19.0	19.6	21.5	302	217,574	7.71	2.55	741	7.7	19.9	18.8	17.8	2,946	67,095	7.56	
Class V.....	1,265	880	20.2	14.2	11.2	11.0	339	120,685	8.38	2.47	495	8.0	13.3	12.3	11.5	2,983	50,710	8.83	
Class VI.....	695	355	13.1	5.7	2.6	2.9	300	29,725	7.67	2.55	175	4.8	4.7	2.4	2.8	2,340	9,095	6.45	
Other farms.....	5,264	2,214	15.4	35.6	16.8	14.8	376	171,105	8.78	2.34	1,118	7.2	30.0	15.0	18.3	2,293	64,037	7.03	
Areas 4b and E.....	9,045	5,308	30.0	100.0	100.0	100.0	366	1,352,867	9.33	2.55	2,623	8.8	100.0	100.0	100.0	2,770	322,840	7.56	
Commercial farms.....	4,378	3,501	35.5	66.0	89.2	89.1	367	1,215,095	9.41	2.56	1,867	10.1	71.2	83.8	85.8	2,707	275,070	7.51	
Class I.....	56	46	50.6	0.9	6.9	4.2	606	100,805	16.66	2.75	31	12.7	1.2	3.1	3.5	2,409	12,690	8.38	
Class II.....	450	404	46.3	7.6	24.1	22.3	396	334,135	10.33	2.61	270	11.0	10.3	17.8	18.1	2,732	61,350	7.96	
Class III.....	892	852	43.8	16.1	27.9	28.2	362	380,995	9.31	2.57	505	13.4	19.3	28.0	29.4	2,641	93,100	7.42	
Class IV.....	1,038	883	33.0	16.6	16.0	18.2	322	122,870	8.09	2.51	466	10.1	17.8	17.6	18.9	2,583	59,320	7.36	
Class V.....	1,246	895	24.4	16.9	10.9	12.5	318	142,615	7.85	2.47	415	6.5	15.8	13.6	11.4	3,299	37,020	7.61	
Class VI.....	696	421	15.6	7.9	3.5	3.7	343	43,675	8.17	2.38	180	5.6	6.9	3.7	4.5	2,304	11,590	6.07	
Other farms.....	4,667	1,807	13.2	34.0	10.8	10.9	361	137,772	8.69	2.41	756	5.0	28.8	16.2	14.2	2,349	47,770	7.88	
Areas 5 and F.....	14,096	10,399	45.3	100.0	100.0	100.0	298	3,128,094	7.47	2.51	3,411	6.4	100.0	100.0	100.0	2,947	486,416	8.24	
Commercial farms.....	9,014	7,932	49.2	76.3	91.3	91.8	297	2,875,002	7.48	2.52	2,915	6.9	85.5	91.4	91.2	2,955	442,730	8.23	
Class I.....	146	141	63.1	1.4	4.7	3.7	378	145,222	9.37	2.48	50	7.7	1.5	3.2	3.2	2,889	17,971	9.46	
Class II.....	1,205	1,139	57.5	11.0	24.8	23.3	317	772,658	7.91	2.49	547	7.6	16.0	24.2	21.9	3,251	116,836	9.03	
Class III.....	2,530	2,404	53.2	23.1	31.0	32.7	283	967,											

USE OF FERTILIZER AND LIME

Table 4.—USE AND EXPENDITURES FOR FERTILIZER AND LIME BY ECONOMIC CLASS OF FARM, BY ECONOMIC AREAS.
CENSUS OF 1954—Continued

State, economic area, and economic class of farm	Total number of farms	Farms reporting use of fertilizer	Acres fertilized as a percent of total cropland plus improved pasture	Fertilizer						Lime								
				Percent distribution of—			Quantity used per acre fertilized (lb.)	Expenditures (dollars)			Farms reporting use of lime	Acres limed as a percent of total cropland plus improved pasture	Percent distribution of—		Expenditures (dollars)			
				Farms reporting fertilizer	Fertilizer used	Acres fertilized		For fertilizer	Per acre fertilized	Per cent. of fertilizer used			Farms reporting lime	Lime used	Acres limed	For lime	Per acre limed	
Pennsylvania—Continued Areas J and K.....	13,488	11,368	60.2	100.0	100.0	100.0	468	4,712,982	11.60	2.48	3,450	7.1	100.0	100.0	100.0	2,372	350,104	7.29
Commercial farms.....	10,192	9,287	61.6	81.7	96.1	95.9	468	4,535,502	11.64	2.48	3,089	7.3	89.5	95.6	95.9	2,365	335,494	7.29
Class I.....	705	680	70.0	6.0	21.3	14.8	672	1,027,576	17.09	2.54	283	7.9	8.2	15.0	14.2	2,511	55,516	8.14
Class II.....	3,172	3,062	64.8	26.9	39.8	41.5	449	1,855,936	11.01	2.45	1,221	7.6	35.4	40.2	41.1	2,321	141,053	7.16
Class III.....	2,705	2,495	58.3	21.9	21.2	23.6	420	1,001,285	10.45	2.49	880	7.1	25.5	23.8	24.4	2,315	84,400	7.21
Class IV.....	1,700	1,485	55.9	13.1	8.5	10.0	399	405,305	10.01	2.51	390	6.0	11.3	9.1	9.0	2,349	30,000	6.34
Class V.....	1,395	1,200	50.9	10.6	4.4	5.1	409	206,475	10.02	2.45	260	7.7	7.5	6.8	6.5	2,489	21,750	6.93
Class VI.....	515	365	44.6	3.2	0.9	1.0	419	38,925	9.73	2.32	55	3.5	1.6	0.7	0.7	2,698	2,775	8.81
Other farms.....	3,296	2,081	39.7	18.3	3.9	4.1	448	177,480	10.68	2.38	361	4.8	10.5	4.4	4.1	2,538	14,620	7.34
Areas L, M, and N.....	16,792	12,316	54.7	100.0	100.0	100.0	456	6,721,895	11.97	2.63	4,077	7.9	100.0	100.0	100.0	2,261	525,830	6.48
Commercial farms.....	11,389	9,763	56.9	79.3	95.1	94.6	458	6,403,244	12.05	2.63	3,534	8.1	86.7	93.9	93.2	2,279	490,684	6.49
Class I.....	800	674	70.1	5.5	26.3	18.7	640	1,926,129	18.33	2.86	356	13.3	8.7	25.9	24.7	2,375	139,350	6.97
Class II.....	2,928	2,728	59.0	22.2	33.9	35.2	439	2,209,065	11.16	2.55	1,248	8.0	30.6	33.5	33.2	2,282	177,164	6.58
Class III.....	3,040	2,730	55.3	22.2	20.8	24.5	386	1,342,645	9.75	2.53	900	6.8	24.3	19.9	20.9	2,153	104,565	6.18
Class IV.....	2,075	1,720	48.9	14.0	8.2	9.6	394	541,330	10.09	2.56	500	5.5	12.3	8.6	7.5	2,606	40,485	6.66
Class V.....	1,866	1,451	44.1	11.8	5.0	5.6	401	326,920	10.32	2.57	355	6.6	8.7	5.1	5.8	1,981	22,635	4.79
Class VI.....	680	460	30.2	3.7	0.9	1.0	418	57,155	10.44	2.50	85	5.1	2.1	0.9	1.1	1,762	6,485	7.01
Other farms.....	5,403	2,553	32.2	20.7	4.9	5.4	417	318,651	10.60	2.55	543	5.9	13.3	6.1	6.8	2,018	39,146	6.35
Rhode Island, total.....	1,953	836	28.0	100.0	100.0	100.0	733	328,261	20.77	2.84	277	5.7	100.0	100.0	100.0	2,052	28,916	8.97
Commercial farms.....	1,103	566	33.6	67.7	95.4	93.4	748	307,311	20.82	2.78	192	6.4	69.3	87.6	87.9	2,045	25,981	9.17
Class I.....	92	67	48.1	8.0	23.1	18.1	936	74,263	25.97	2.78	40	9.4	14.4	19.8	17.4	2,339	6,525	11.65
Class II.....	261	161	39.5	19.3	31.4	33.5	688	102,822	19.43	2.83	81	12.0	29.2	41.3	49.7	1,705	12,111	7.56
Class III.....	246	141	40.3	16.9	22.6	24.0	690	68,125	17.95	2.60	35	3.5	12.6	18.9	10.2	3,788	5,250	15.91
Class IV.....	220	100	21.3	12.0	10.3	9.6	787	35,175	23.29	2.96	30	4.3	10.8	5.9	9.5	1,279	1,700	5.57
Class V.....	192	71	18.3	8.5	5.7	5.1	825	19,721	24.50	2.97	1	0.3	0.4	0.9	0.5	4,000	270	18.00
Class VI.....	92	26	13.5	3.1	2.2	3.2	508	7,205	14.41	2.84	5	0.5	1.8	0.8	0.6	2,500	125	6.25
Other farms.....	850	270	8.4	32.3	4.6	6.6	515	20,950	20.14	3.91	85	3.1	30.7	12.4	12.1	2,103	2,935	7.53
Areas I and A.....	1,953	836	28.0	100.0	100.0	100.0	733	328,261	20.77	2.84	277	5.7	100.0	100.0	100.0	2,052	28,916	8.97
Commercial farms.....	1,103	566	33.6	67.7	95.4	93.4	748	307,311	20.82	2.78	192	6.4	69.3	87.6	87.9	2,045	25,981	9.17
Class I.....	92	67	48.1	8.0	23.1	18.1	936	74,263	25.97	2.78	40	9.4	14.4	19.8	17.4	2,339	6,525	11.65
Class II.....	261	161	39.5	19.3	31.4	33.5	688	102,822	19.43	2.83	81	12.0	29.2	41.3	49.7	1,705	12,111	7.56
Class III.....	246	141	40.3	16.9	22.6	24.0	690	68,125	17.95	2.60	35	3.5	12.6	18.9	10.2	3,788	5,250	15.91
Class IV.....	220	100	21.3	12.0	10.3	9.6	787	35,175	23.29	2.96	30	4.3	10.8	5.9	9.5	1,279	1,700	5.57
Class V.....	192	71	18.3	8.5	5.7	5.1	825	19,721	24.50	2.97	1	0.3	0.4	0.9	0.5	4,000	270	18.00
Class VI.....	92	26	13.5	3.1	2.2	3.2	508	7,205	14.41	2.84	5	0.5	1.8	0.8	0.6	2,500	125	6.25
Other farms.....	850	270	8.4	32.3	4.6	6.6	515	20,950	20.14	3.91	85	3.1	30.7	12.4	12.1	2,103	2,935	7.53
South Carolina, total.....	124,188	108,274	65.4	100.0	100.0	100.0	477	36,057,690	11.07	2.32	5,546	2.9	100.0	100.0	100.0	1,740	683,199	4.77
Commercial farms.....	73,130	70,343	71.1	64.8	88.2	85.7	491	31,848,807	11.41	2.32	4,348	3.2	78.4	87.3	87.1	1,744	606,180	4.86
Class I.....	742	692	74.5	0.6	10.7	9.4	542	3,706,966	12.07	2.23	249	5.8	4.5	17.1	16.6	1,786	124,210	5.21
Class II.....	2,220	2,118	72.0	2.0	12.0	11.9	484	4,288,373	11.11	2.29	512	4.8	9.2	18.6	18.0	1,797	133,037	5.17
Class III.....	6,632	6,409	72.4	5.9	14.2	13.1	517	5,216,574	12.19	2.36	754	3.6	13.6	13.7	14.8	1,609	93,142	4.39
Class IV.....	20,731	20,005	73.6	18.5	23.3	21.5	515	8,536,473	12.16	2.36	1,076	2.5	19.4	16.1	16.9	1,656	111,073	4.59
Class V.....	24,483	23,426	69.2	21.6	19.2	19.8	461	6,975,083	10.82	2.34	1,209	2.1	21.8	15.3	14.0	1,913	102,877	5.15
Class VI.....	18,322	17,493	65.0	16.2	8.8	10.0	420	3,125,338	9.62	2.29	548	2.0	9.9	6.5	6.8	1,664	41,841	4.29
Other farms.....	51,058	38,131	43.9	35.2	11.8	14.3	394	4,208,883	9.06	2.30	1,198	1.7	21.6	12.7	12.9	1,717	77,019	4.16
Area 1.....	5,400	4,541	55.4	100.0	100.0	100.0	393	911,490	10.36	2.63	414	5.4	100.0	100.0	100.0	1,837	40,558	4.69
Commercial farms.....	1,595	1,533	62.9	33.8	64.4	61.3	413	562,822	10.44	2.52	247	8.4	59.7	82.5	83.2	1,821	35,238	4.90
Class I.....	12	12	51.5	0.3	4.1	2.2	734	33,350	17.37	2.37	6	25.9	1.4	8.2	11.2	2,347	3,440	3.56
Class II.....	24	23	64.8	0.5	5.0	3.2	623	43,150	15.53	2.49	17	9.6	4.1	3.9	4.2	1,506	1,778	4.31
Class III.....	57	47	50.4	1.0	3.9	4.7	320	32,635	7.82	2.44	30	5.0	7.2	4.5	4.8	1,735	1,835	4.42
Class IV.....	210	200	65.0	4.4	14.8	15.4	378	132,852	9.83	2.60	61	11.8	14.7	29.5	28.3	1,914	13,630	5.56
Class V.....	565	544	64.8	12.0	19.7	19.4	399	174,045	10.18	2.55	67	6.9	16.2	22.7	21.1	1,984	9,450	5.19
Class VI.....	727	707	65.1	15.6	17.0	16.4	408	146,790	10.17	2.49	66	5.1	15.9	13.3	13.0	1,911	5,105	4.54
Other farms.....	3,805	3,008	46.6	66.2	35.6	38.7	362	348,668	10.23	2.83	167	2.0	40.3	17.5	16.8	1,912	5,320	3.66
Area 2.....	19,411	15,533	57.6	100.0	100.0	100.0	406	4,218,823	9.28	2.28	1,286	4.9	100.0	100.0	100.0	1,593	158,707	4.08
Commercial farms.....	8,273	7,781	67.0	50.1	79.0	77.2	416	3,329,322	9.49	2.28	963	6.1	74.9	82.7	82.3	1,603	136,480	4.20
Class I.....	128	113	72.7	0.7	8.5	7.5	461	357,165	10.48	2.27	43	6.5	3.3	8.6	7.8	1,767	16,028	5.37
Class II.....	433	383	72.6	2.5	12.7	12.1	424	534,685	9.69	2.29	104	7.0	8.1	14.8	13.6	1,736	25,071	4.72
Class III.....	490	464	68.0	3.0	9.2	8.7	431	380,420	9.66	2.24	158	12.0	12.3	16.5	17			

USE OF FERTILIZER AND LIME

Table 4—USE AND EXPENDITURES FOR FERTILIZER AND LIME BY ECONOMIC CLASS OF FARM, BY ECONOMIC AREAS:
CENSUS OF 1954—Continued

State, economic area, and economic class of farm	Total number of farms	Fertilizer						Lime											
		Farms reporting use of fertilizer	Acres fertilized as a percent of total cropland plus improved pasture	Percent distribution of—			Quantity used per acre fertilized (lb.)	Expenditures (dollars)			Farms reporting use of lime	Acres limed as a percent of total cropland plus improved pasture	Percent distribution of—		Expenditures (dollars)				
				Farms reporting fertilizer	Fertilizer used	Acres fertilized		For fertilizer	Per acre fertilized	Per cent. of fertilizer used			Farms reporting lime	Lime used	Acres limed	For lime	Per acre limed		
South Dakota—Continued																			
Area 3b.....	10,335	1,680	3.2	100.0	100.0	100.0	132	475,271	6.04	4.56	36	(2)	100.0	100.0	100.0	1,587	795	2.52	
Commercial farms.....	9,930	1,677	3.2	99.8	99.9	99.2	132	470,677	6.03	4.57	35	(2)	97.2	88.0	61.9	2,256	695	3.56	
Class I.....	85	25	5.8	1.5	5.3	5.8	120	26,980	5.86	4.91	15	...	...	...	...	...	...	...
Class II.....	1,490	526	4.6	31.3	31.6	34.1	123	161,308	6.01	4.90	15	(2)	41.7	6.0	4.8	2,000	95	6.33	
Class III.....	4,142	794	2.7	47.3	39.2	38.2	136	178,750	5.94	4.37	10	(2)	27.8	44.0	38.1	1,833	295	2.46	
Class IV.....	2,840	282	2.4	16.8	17.1	16.3	139	76,874	6.00	4.32	10	(2)	27.8	38.0	19.0	3,167	305	5.08	
Class V.....	1,058	40	1.0	2.4	1.6	1.7	124	8,215	6.06	4.89	...	...	...	...	...	...	...	...
Class VI.....	315	10	10.7	0.6	4.1	3.0	181	18,550	7.81	4.31	...	...	...	...	...	...	...	...
Other farms.....	405	3	3.5	0.2	1.1	0.8	184	4,594	7.54	4.10	1	0.7	2.8	12.0	38.1	500	100	0.83	
Area 4a.....	9,700	2,296	4.6	100.0	100.0	100.0	135	563,542	5.12	3.79	15	(2)	100.0	100.0	100.0	400	195	1.30	
Commercial farms.....	9,394	2,280	4.5	99.3	99.2	99.2	135	558,877	5.11	3.78	15	(2)	100.0	100.0	100.0	400	195	1.30	
Class I.....	70	49	15.8	2.1	8.5	7.2	159	47,615	6.00	3.77	...	...	...	...	...	...	...	...
Class II.....	970	499	8.6	20.9	30.7	32.0	129	176,642	5.01	3.87	...	...	...	...	...	...	...	...
Class III.....	3,492	1,039	4.2	45.3	41.7	40.0	141	233,309	5.30	3.76	5	(2)	33.3	33.3	66.7	200	90	0.90	
Class IV.....	3,265	538	2.3	23.4	12.8	14.7	118	71,181	4.40	3.73	10	(2)	66.7	66.7	33.3	800	105	2.10	
Class V.....	1,212	175	3.4	7.6	5.5	5.3	139	30,130	5.23	3.69	...	...	...	...	...	...	...	...
Class VI.....	385
Other farms.....	306	16	9.4	0.7	0.8	0.8	130	4,665	5.43	4.17	...	...	...	...	...	...	...	...
Area 4b.....	12,349	4,604	11.3	100.0	100.0	100.0	155	1,647,253	6.43	4.15	40	(2)	100.0	100.0	100.0	1,500	1,040	4.00	
Commercial farms.....	11,846	4,576	11.3	99.4	99.3	99.5	155	1,640,028	6.43	4.16	40	(2)	100.0	100.0	100.0	1,500	1,040	4.00	
Class I.....	432	303	23.7	6.6	16.9	14.6	180	300,031	8.03	4.46	...	...	...	...	...	...	...	...
Class II.....	2,282	1,391	16.5	30.2	39.1	39.5	154	648,235	6.41	4.18	...	...	...	...	...	...	...	...
Class III.....	4,422	1,717	8.7	37.3	30.1	30.5	153	478,177	6.32	4.00	25	(2)	62.5	17.9	26.9	1,000	180	2.57	
Class IV.....	2,910	820	6.4	17.8	9.6	11.0	135	153,215	5.43	4.02	10	(2)	25.0	30.8	34.6	1,333	360	4.00	
Class V.....	1,260	255	6.4	5.5	2.8	3.2	134	48,530	5.84	4.35	5	0.1	12.5	51.3	38.5	2,000	500	5.00	
Class VI.....	560	90	7.0	2.0	0.7	0.7	160	11,840	6.49	4.05	...	...	...	...	...	...	...	...
Other farms.....	503	28	8.9	0.6	0.7	0.5	223	7,225	5.75	2.58	...	...	...	...	...	...	...	...
Tennessee, total.....	203,385	153,055	34.7	100.0	100.0	100.0	330	26,797,255	8.31	2.52	10,330	1.6	100.0	100.0	100.0	3,221	769,764	5.33	
Commercial farms.....	124,468	107,945	36.9	70.5	87.7	88.6	327	23,737,892	8.31	2.55	8,153	1.6	78.9	86.2	86.9	3,195	667,035	5.32	
Class I.....	609	554	42.8	0.4	4.6	4.1	371	1,398,914	10.70	2.88	147	4.3	1.4	5.3	9.1	1,882	49,152	3.76	
Class II.....	2,782	2,523	39.2	1.6	7.8	8.1	319	2,154,499	8.25	2.58	573	2.7	5.5	13.5	12.7	3,432	110,409	6.03	
Class III.....	9,376	8,642	39.7	5.6	14.8	15.3	318	4,384,206	8.45	2.66	1,261	2.0	12.2	17.0	17.1	3,202	122,769	4.98	
Class IV.....	25,945	23,914	39.9	15.6	24.1	24.7	322	6,544,676	8.23	2.56	2,270	1.6	22.0	22.2	21.9	3,297	177,599	5.63	
Class V.....	46,618	41,239	35.7	26.9	24.9	24.7	333	6,545,809	8.23	2.47	2,670	1.6	22.8	19.9	18.2	3,531	143,041	5.46	
Class VI.....	39,138	31,074	29.3	20.3	11.5	11.7	324	2,909,990	7.68	2.38	1,232	0.9	11.9	8.1	8.1	3,245	64,065	5.49	
Other farms.....	78,917	45,110	23.5	29.5	12.3	11.4	353	3,059,363	8.29	2.39	2,177	1.2	21.1	13.8	13.0	3,409	102,729	5.45	
Areas 1 and A.....	40,569	33,357	38.2	100.0	100.0	100.0	311	7,597,585	9.20	2.96	1,027	1.1	100.0	100.0	100.0	2,615	150,195	6.48	
Commercial farms.....	33,233	29,846	39.3	89.5	95.8	95.6	312	7,283,419	9.23	2.96	921	1.1	89.7	94.8	94.8	2,614	141,885	6.46	
Class I.....	261	238	37.7	0.7	8.2	7.2	356	681,648	11.53	3.24	54	3.3	5.3	17.0	22.1	2,016	26,040	5.10	
Class II.....	995	866	35.0	2.6	11.0	10.7	322	806,542	9.17	2.85	150	2.1	14.6	26.4	22.8	3,024	41,464	7.84	
Class III.....	3,273	3,054	37.9	9.2	18.1	18.1	311	1,405,161	9.39	3.02	183	1.2	17.8	20.4	20.1	2,658	27,036	5.81	
Class IV.....	8,944	8,282	42.5	24.8	27.1	28.3	298	2,078,821	8.91	2.99	332	1.0	32.3	21.6	22.6	2,489	34,950	6.66	
Class V.....	13,268	12,131	42.5	36.4	24.1	24.2	309	1,788,590	8.95	2.89	142	0.3	13.8	8.0	5.7	3,665	10,140	7.71	
Class VI.....	6,492	5,275	31.7	15.8	7.2	7.2	314	522,657	8.83	2.81	60	0.2	5.8	1.4	1.5	2,493	2,205	6.39	
Other farms.....	7,336	3,511	24.2	10.5	4.2	4.4	297	314,166	8.65	2.91	106	0.8	10.3	5.2	5.2	2,633	8,310	6.92	
Area 2.....	19,672	15,107	38.7	100.0	100.0	100.0	286	2,897,586	7.38	2.58	898	1.4	100.0	100.0	100.0	2,927	83,081	5.82	
Commercial farms.....	12,808	11,733	41.7	77.7	90.4	90.6	285	2,628,384	7.39	2.59	762	1.5	84.9	90.6	90.2	2,940	73,961	5.74	
Class I.....	6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Class II.....	175	174	47.3	1.2	5.2	5.9	256	154,530	6.73	2.62	26	4.4	2.9	6.4	14.9	1,267	4,910	2.31	
Class III.....	869	843	48.4	5.6	13.9	13.8	288	417,224	7.70	2.67	128	1.4	14.3	14.8	11.3	3,835	8,966	5.55	
Class IV.....	3,040	2,933	44.8	19.4	30.6	29.4	298	900,105	8.00	2.62	286	2.2	31.8	45.0	38.8	3,397	37,210	6.72	
Class V.....	4,890	4,590	40.3	30.0	28.3	28.4	285	807,803	7.24	2.54	297	1.0	28.6	20.0	19.3	3,038	16,470	5.98	
Class VI.....	3,868	3,253	33.3	21.5	12.3	13.1	268	348,722	6.80	2.53	65	0.6	7.2	4.4	6.0	2,129	6,405	7.49	
Other farms.....	6,864	3,374	22.8	22.3	9.6	9.4	291	269,202	7.27	2.50	136	0.9	15.1	9.4	9.8	2,809	9,120	6.54	
Area 3.....	11,976	8,808	38.6	100.0	100.0	100.0	279	1,555,858	6.47	2.32	691	1.3	100.0	100.0	100.0	3,193	41,367	5.09	
Commercial farms.....	6,547	5,791	42.1	65.7	85.5	84.6	282	1,334,438	6.56	2.33	569	1.5	82.3	85.8	87.0	3,150	35,633	5.04	
Class I.....	6	6	67.3	0.1	1.5	1.3	321	25,590	8.66	2.54	1	2.8	0.1	1.4	1.6	2,769	612	4.71	
Class II.....	74	74	50.7	0.8	4.2	4.9	244	66,067	5.16	2.32	12	3.0	1.7	10.5	8.4	4,029	4,653	6.84	
Class III.....	336	309	42.7	3.5	13.3	11.9	311	218,271	7.64	2.45	68	2.0	9.8	17.3	16.6	3,328	8,053	5.95	
Class IV.....	1,052	975	50.6	11.1	24.2	22.5	301	369,718	6.85	2.28	124	1.1	17.9	15.7	14.9	3,372	5,740	4.74	
Class V.....	2,364	2,232	40.4	25.3	27.2	27.1	280	413,872	6.35	2.27	234	1.6	33.9	29.7	32.3	2,932	11,960	4.55	
Class VI.....	2,715	2,195	33.9	24.9	15.0	17.0	246	240,920	5.88	2.29	130	0.5	19.8	11.1					

USE OF FERTILIZER AND LIME

Table 4—USE AND EXPENDITURES FOR FERTILIZER AND LIME BY ECONOMIC CLASS OF FARM, BY ECONOMIC AREAS: CENSUS OF 1954—Continued

State, economic area, and economic class of farm	Total number of farms	Farms reporting use of fertilizer	Fertilizer						Lime									
			Acres fertilized as a percent of total cropland plus improved pasture	Percent distribution of—			Quantity used per acre fertilized (lb.)	Expenditures (dollars)			Acres limed as a percent of total cropland plus improved pasture	Percent distribution of—			Expenditures (dollars)			
				Farms reporting fertilizer	Fertilizer used	Acres fertilized		For fertilizer	Per acre fertilized	Per cent. of fertilizer used		Farms reporting use of lime	Lime used	Acres limed	Quantity used per acre limed (lb.)	For lime	Per acre limed	
Tennessee—Continued																		
Area 6.....	21,965	17,294	37.3	100.0	100.0	100.0	330	2,913,267	7.73	2.34	1,635	1.9	100.0	100.0	100.0	3,723	101,981	5.37
Commercial farms.....	12,720	11,287	39.9	65.3	84.4	84.2	331	2,473,421	7.80	2.36	1,284	2.0	78.5	83.2	84.5	3,665	84,201	5.25
Class I.....	134	129	47.6	0.2	2.7	1.7	539	87,585	13.88	2.58	7	3.2	0.4	1.2	1.7	2,544	1,250	3.82
Class II.....	680	660	49.6	0.7	3.1	3.6	377	121,745	9.07	2.40	36	3.4	2.2	5.1	5.1	3,726	4,285	4.44
Class III.....	2,116	2,044	41.6	11.8	21.9	21.1	337	373,694	7.74	2.44	152	3.5	9.3	19.1	17.8	3,976	17,766	5.25
Class IV.....	4,793	4,378	38.3	25.3	27.4	27.5	329	645,997	8.00	2.37	332	1.9	20.3	22.8	19.7	4,301	24,110	6.44
Class V.....	4,953	4,042	33.4	23.4	15.9	17.2	305	732,325	7.65	2.33	511	2.0	31.3	24.9	28.2	3,286	23,465	4.39
Class VI.....	9,245	6,007	27.8	34.7	15.6	15.8	325	452,075	6.98	2.29	246	1.2	15.0	10.2	12.0	3,177	13,325	5.87
Other farms.....	8,136	6,371	35.4	100.0	100.0	100.0	376	1,008,841	9.53	2.54	633	2.7	100.0	100.0	100.0	4,469	48,373	6.08
Commercial farms.....	2,086	1,883	40.5	29.6	67.0	68.5	368	696,887	9.61	2.61	362	2.9	57.2	69.2	64.8	4,772	33,088	6.42
Class I.....	20	20	61.3	0.3	9.2	6.4	539	129,425	19.09	3.54	5	0.5	0.8	0.6	0.6	4,000	350	7.00
Class II.....	68	52	41.7	0.8	5.0	5.6	331	47,693	7.98	2.41	17	2.4	2.7	8.4	4.2	8,787	3,279	9.70
Class III.....	181	165	39.6	2.6	10.9	10.9	376	109,946	9.51	2.53	62	4.5	9.8	13.1	16.5	3,556	6,244	4.76
Class IV.....	320	320	44.8	5.0	14.0	15.7	334	140,197	8.42	2.52	83	2.8	13.1	12.9	13.1	4,407	5,995	5.78
Class V.....	598	552	36.1	8.7	15.6	16.5	354	151,989	8.70	2.46	105	3.2	16.6	25.7	19.7	5,847	12,505	7.99
Class VI.....	899	794	36.2	12.1	12.4	13.3	351	117,637	8.36	2.38	90	2.2	14.2	8.5	10.7	3,565	4,715	5.55
Other farms.....	6,050	4,488	27.9	70.4	33.0	31.5	393	311,954	9.34	2.38	271	2.3	42.8	30.8	35.2	3,911	15,285	5.46
Areas 8a, C, and D.....																		
Commercial farms.....	10,185	9,334	37.2	49.2	76.4	78.4	362	2,077,965	8.09	2.24	1,257	2.7	66.1	79.0	78.5	3,425	94,875	5.08
Class I.....	35	30	58.8	0.4	5.2	4.9	386	134,965	8.33	2.16	25	4.7	1.3	60.0	5.4	3,754	7,771	6.01
Class II.....	895	860	44.3	1.9	9.4	10.0	351	272,335	8.35	2.38	113	3.5	5.9	13.6	10.7	4,308	16,698	6.55
Class III.....	741	686	44.2	3.6	11.7	12.7	342	325,928	7.86	2.30	158	4.9	8.3	13.0	19.2	2,300	16,835	3.69
Class IV.....	1,337	1,261	40.3	6.7	14.6	15.5	350	390,837	7.69	2.20	225	2.2	11.8	12.7	11.7	3,702	14,365	5.67
Class V.....	3,091	2,851	34.2	15.0	20.4	19.9	383	556,365	8.53	2.23	461	2.3	24.2	21.1	13.1	3,962	24,316	5.64
Class VI.....	4,536	4,096	28.4	21.6	15.0	15.4	361	397,535	7.89	2.18	275	1.8	14.5	12.6	13.3	3,227	14,290	4.51
Other farms.....	16,428	9,620	22.5	50.8	23.6	21.6	404	623,275	8.79	2.18	646	1.6	33.9	21.0	21.5	3,320	25,990	5.08
Area 8b.....																		
Commercial farms.....	20,229	18,136	36.1	60.3	84.2	85.8	424	2,951,679	9.72	2.29	1,534	1.8	81.4	88.1	85.7	3,663	83,618	5.61
Class I.....	52	48	59.3	0.2	2.7	3.4	356	95,255	7.89	2.35	19	1.6	1.0	1.8	2.2	2,865	2,423	6.28
Class II.....	237	232	39.7	0.8	3.9	4.4	386	147,545	9.43	2.44	40	2.4	2.1	5.4	5.3	3,613	5,260	5.66
Class III.....	763	737	43.0	2.6	10.0	10.7	406	355,910	9.43	2.32	138	2.5	7.3	14.3	12.7	4,037	10,860	4.93
Class IV.....	3,099	2,934	49.4	10.4	22.3	23.9	403	778,479	9.21	2.28	431	2.2	23.9	25.7	26.3	3,490	24,195	5.29
Class V.....	7,915	7,193	34.7	25.5	31.1	30.0	446	1,092,380	10.26	2.30	615	1.6	32.6	27.9	28.0	3,548	27,960	5.74
Class VI.....	8,173	6,992	27.1	24.8	14.2	13.4	460	482,110	10.18	2.21	291	1.1	15.4	12.9	11.2	4,113	12,920	6.63
Other farms.....	14,459	10,062	25.8	35.7	15.8	14.2	478	557,920	11.06	2.32	350	1.3	18.6	11.9	14.3	2,982	12,215	4.92
Texas, total.....																		
Commercial farms.....	182,391	63,215	11.2	69.4	90.8	91.9	213	28,593,660	6.82	3.21	1,236	0.1	77.7	89.5	89.0	1,818	209,048	4.88
Class I.....	13,198	5,842	14.4	6.4	35.1	32.7	230	13,274,471	8.89	3.86	76	0.1	4.8	19.2	17.2	2,015	49,326	5.96
Class II.....	25,688	8,061	8.1	8.8	14.8	16.0	199	4,779,568	6.54	3.29	231	0.1	14.5	20.4	18.0	2,042	50,837	5.86
Class III.....	31,406	10,471	9.0	11.5	12.6	13.8	196	3,506,842	5.55	2.84	215	0.1	13.5	12.0	11.5	1,889	24,809	4.49
Class IV.....	40,854	12,940	19.4	14.2	12.2	13.3	199	3,156,912	5.25	2.63	304	0.2	19.1	20.3	19.4	1,894	42,074	4.52
Class V.....	42,846	14,790	13.0	16.2	16.8	11.0	212	3,615,333	5.21	2.46	307	0.2	19.3	14.9	18.0	1,497	36,404	4.16
Class VI.....	48,156	17,990	13.0	16.2	16.8	11.0	212	3,615,333	5.21	2.46	307	0.2	19.3	14.9	18.0	1,497	36,404	4.16
Other farms.....	29,099	11,111	15.4	13.2	5.3	5.2	221	1,266,534	5.35	2.42	103	0.2	6.5	2.7	4.9	1,008	5,954	2.52
Other farms.....	110,761	27,882	11.9	36.6	9.2	8.1	244	2,227,705	6.03	2.47	354	0.2	22.3	10.5	11.0	1,709	23,365	4.40
Areas 1a and A.....																		
Commercial farms.....	1,637	843	33.8	97.7	99.8	97.7	308	2,307,190	15.21	4.93	6	0.1	100.0	100.0	100.0	3,931	5,400	9.31
Class I.....	594	412	34.9	47.7	87.0	84.4	317	1,996,929	15.54	4.90	1	0.1	100.0	100.0	100.0	3,931	5,400	9.31
Class II.....	406	223	34.1	25.8	9.1	19.3	278	235,428	15.05	5.42	5	0.7	83.3	87.7	51.7	6,667	5,000	16.67
Class III.....	235	113	22.2	13.1	2.2	2.9	235	43,103	9.89	4.20	...	...	...	...	...	...	...	...
Class IV.....	189	72	21.1	8.3	0.7	1.2	185	21,110	11.54	6.25	...	...	...	...	...	...	...	...
Class V.....	126	17	19.4	2.6	0.6	0.8	221	9,370	7.95	3.59	...	...	...	...	...	...	...	...
Class VI.....	87	6	13.6	0.7	(2)	0.1	111	650	6.02	5.42	...	...	...	...	...	...	...	...
Other farms.....	403	20	4.3	2.3	0.2	0.3	202	4,165	8.41	4.16	...	...	...	...	...	...	...	...
Area 1b.....																		
Commercial farms.....	2,714	156	1.2	83.9	92.8	96.6	184	67,548	5.72	3.10	1	(2)	100.0	100.0	100.0	2,000	750	6.00
Class I.....	342	27	1.8	14.5	52.6	50.6	199	39,674	6.42	3.22	1	(2)	100.0	100.0	100.0	2,000	750	6.00
Class II.....	744	41	0.6	22.0	17.1	17.3	189	13,024	6.17	3.26	...	...	...	...	...	...	...	...
Class III.....	620	22	0.4	11.8	6.7	6.6	194	5,102	6.33	3.27	...	...	...	...	...	...	...	...
Class IV.....	490	39	1.3	20.4	9.8	10.5	180	5,573	4.35	2.42	...	...	...	...	...	...	...	...
Class V.....	389	23	1.8	12.4	5.9	5.5	205	3,410	5.07	2.47	...	...	...	...	...	...	...	...
Class VI.....	109	5	6.2	2.7	0.9	6.1	27	765	1.02	3.82	...	...	...	...	...	...	...	...
Other farms.....	619	30	2.5	16.1	7.2	5.4	400	4,015	9.56	2.39	...	...	...	...	...	...	...	...
Area 2.....																		
Commercial farms.....	8,341	1,598	5.2	86.3	92.5	93.4	151	338,190	4.83	3.19	6	(2)	100.0	100.0	100.0	196	315	1.24
Class I.....	272	48	4.5	2.7	8.8	7.3	184	32,735	5.98	3.25	...	...	...	...	...	...	...	...
Class II.....	836	161	7.1	8.9	17.6	15.8	170	61,943	5.22	3.08	...	...	...	...	...	...	...	...
Class III.....	1,662	381	5.1	21.1	22.1													

USE OF FERTILIZER AND LIME

Table 4.—USE AND EXPENDITURES FOR FERTILIZER AND LIME BY ECONOMIC CLASS OF FARM, BY ECONOMIC AREAS:
CENSUS OF 1954—Continued

State, economic area, and economic class of farm	Total number of farms	Fertilizer							Lime									
		Farms reporting use of fertilizer	Acres fertilized as a percent of total cropland plus improved pasture	Percent distribution of—		Quantity used per acre fertilized (lb.)	Expenditures (dollars)			Farms reporting use of lime	Acres limed as a percent of total cropland plus improved pasture	Percent distribution of—		Quantity used per acre limed (lb.)	Expenditures (dollars)			
				Farms reporting use of fertilizer	Fertilizer used		Acres fertilized	For fertilizer	Per acre fertilized			Per cent. of fertilizer used	Farms reporting use of lime		Lime used	Acres limed	For lime	Per acre limed
Texas—Continued																		
Area 4.....	12,202	2,281	5.0	100.0	100.0	100.0	164	2,084,644	6.78	4.15	6	(Z)	100.0	100.0	100.0	3,273	1,380	6.27
Commercial farms.....	11,042	2,281	5.0	100.0	100.0	100.0	164	2,084,644	6.78	4.15	6	(Z)	100.0	100.0	100.0	3,273	1,380	6.27
Class I.....	3,057	1,151	7.7	50.5	72.9	68.2	175	1,486,321	7.09	4.05	...	...	...	...	...	...	...	...
Class II.....	3,680	797	4.0	34.6	22.0	24.7	146	500,429	6.59	4.51	6	(Z)	100.0	100.0	100.0	3,273	1,380	6.27
Class III.....	2,039	210	1.5	9.2	3.5	4.8	121	66,928	4.58	3.79	...	...	...	...	...	...	...	...
Class IV.....	1,367	81	0.9	3.6	1.0	1.2	133	18,171	4.83	3.63	...	...	...	...	...	...	...	...
Class V.....	666	49	2.1	2.1	0.5	1.1	77	12,795	3.86	5.04	...	...	...	...	...	...	...	...
Class VI.....	233	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Other farms.....	1,160	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Area 5.....	12,991	1,457	2.5	100.0	100.0	100.0	277	1,046,616	9.39	3.39	6	(Z)	100.0	100.0	100.0	2,000	300	6.00
Commercial farms.....	11,967	1,421	2.6	97.5	99.8	99.8	277	1,044,656	9.39	3.39	6	(Z)	100.0	100.0	100.0	2,000	300	6.00
Class I.....	2,897	686	4.1	47.1	75.0	69.7	298	771,753	9.94	3.34	1	(Z)	16.7	80.0	80.0	2,000	270	6.75
Class II.....	4,820	537	1.8	36.9	20.3	26.0	216	229,758	7.93	3.67	5	(Z)	83.3	20.0	20.0	2,000	30	3.00
Class III.....	2,084	120	0.7	8.2	3.5	3.1	314	32,870	9.56	3.04	...	...	...	...	...	...	...	...
Class IV.....	1,248	41	0.3	2.8	0.7	0.7	272	7,135	9.51	3.50	...	...	...	...	...	...	...	...
Class V.....	732	27	0.3	1.9	0.3	0.3	239	2,660	6.91	2.89	...	...	...	...	...	...	...	...
Class VI.....	186	10	0.3	0.7	0.1	(Z)	571	480	13.71	2.40	...	...	...	...	...	...	...	...
Other farms.....	1,024	36	0.4	2.5	0.2	0.2	286	1,960	9.33	3.27	...	...	...	...	...	...	...	...
Area 6a.....	23,042	1,446	2.0	100.0	100.0	100.0	121	395,850	3.63	3.00	...	...	...	...	...	...	...	...
Commercial farms.....	18,775	1,340	2.0	92.7	97.5	98.0	120	386,340	3.62	3.00	...	...	...	...	...	...	...	...
Class I.....	2,897	96	1.7	6.6	16.3	10.9	181	67,659	5.69	3.15	...	...	...	...	...	...	...	...
Class II.....	4,969	278	2.5	19.2	28.6	30.9	112	111,733	3.32	2.96	...	...	...	...	...	...	...	...
Class III.....	2,084	443	2.4	30.6	27.1	32.1	102	107,469	3.07	3.01	...	...	...	...	...	...	...	...
Class IV.....	5,553	312	1.5	21.6	17.8	14.6	147	67,364	4.22	2.86	...	...	...	...	...	...	...	...
Class V.....	3,537	166	1.8	11.5	5.9	8.0	90	23,155	2.67	2.97	...	...	...	...	...	...	...	...
Class VI.....	1,253	45	1.5	3.1	1.8	1.5	140	8,980	5.33	3.81	...	...	...	...	...	...	...	...
Other farms.....	4,267	106	1.1	7.3	2.5	2.0	151	9,510	4.43	2.94	...	...	...	...	...	...	...	...
Area 6b.....	4,580	559	3.9	100.0	100.0	100.0	151	137,720	4.08	2.70	1	0.1	100.0	100.0	100.0	2,143	2,587	3.70
Commercial farms.....	3,198	479	3.9	85.7	92.4	94.1	148	124,520	3.92	2.65	1	0.1	100.0	100.0	100.0	2,143	2,587	3.70
Class I.....	98	20	4.3	3.6	24.2	27.3	134	42,113	4.57	3.41	1	0.3	100.0	100.0	100.0	2,143	2,587	3.70
Class II.....	358	87	4.9	15.6	23.8	22.9	137	26,504	3.43	2.19	...	...	...	...	...	...	...	...
Class III.....	568	114	3.9	20.4	21.0	19.3	164	25,377	3.89	2.37	...	...	...	...	...	...	...	...
Class IV.....	765	80	2.3	14.3	8.0	9.8	123	11,640	3.54	2.87	...	...	...	...	...	...	...	...
Class V.....	993	108	3.4	19.3	10.0	10.5	146	11,746	3.37	2.31	...	...	...	...	...	...	...	...
Class VI.....	416	70	5.7	12.5	5.4	4.4	185	7,160	4.81	2.59	...	...	...	...	...	...	...	...
Other farms.....	1,382	80	3.6	14.3	7.6	5.9	194	13,200	6.60	3.40	...	...	...	...	...	...	...	...
Area 7a.....	14,199	4,493	19.8	100.0	100.0	100.0	139	863,870	3.57	2.57	35	0.1	100.0	100.0	100.0	1,226	2,260	3.65
Commercial farms.....	7,924	3,537	21.8	78.7	90.4	91.0	138	781,990	3.55	2.57	25	(Z)	71.4	42.1	70.2	736	1,010	2.32
Class I.....	148	70	10.6	1.6	3.3	3.3	140	35,247	4.47	3.20	...	...	...	...	...	...	...	...
Class II.....	633	313	15.6	7.0	9.5	10.0	133	83,141	3.44	2.59	5	0.1	14.3	2.6	20.2	160	150	1.20
Class III.....	1,290	636	25.0	14.2	21.7	21.6	140	198,619	3.79	2.72	...	...	...	...	...	...	...	...
Class IV.....	1,583	801	24.7	17.8	24.2	23.8	142	200,027	3.47	2.45	10	0.1	28.6	34.2	24.2	1,733	505	3.37
Class V.....	2,478	1,092	23.5	24.3	21.2	22.5	131	180,556	3.31	2.55	10	0.1	28.6	5.3	25.8	250	355	2.22
Class VI.....	1,792	625	22.5	13.9	10.4	9.9	147	84,400	3.54	2.40	...	...	...	...	...	...	...	...
Other farms.....	6,275	956	10.1	21.3	9.6	9.0	149	81,880	3.76	2.52	10	0.1	28.6	57.9	29.8	2,378	1,250	6.76
Areas 7b and B.....	9,411	2,372	10.8	100.0	100.0	100.0	169	432,698	4.83	2.85	31	0.1	100.0	100.0	100.0	1,704	2,665	4.81
Commercial farms.....	4,953	1,626	10.7	68.5	87.8	88.5	168	384,967	4.85	2.89	31	0.1	100.0	100.0	100.0	1,704	2,665	4.81
Class I.....	160	79	12.1	3.3	11.6	10.8	182	45,011	4.65	2.56	...	...	...	...	...	...	...	...
Class II.....	790	346	12.5	14.6	26.8	28.9	157	129,774	5.01	3.19	6	(Z)	19.4	13.1	17.0	1,319	220	2.34
Class III.....	972	343	9.1	14.5	17.9	17.0	177	76,305	5.00	2.82	10	0.1	32.3	18.0	19.9	1,545	380	3.45
Class IV.....	1,126	367	10.4	15.5	15.8	17.3	155	72,422	4.66	3.10	...	...	...	...	...	...	...	...
Class V.....	1,262	351	9.9	14.8	11.4	11.4	169	44,500	4.35	2.57	5	0.1	16.1	14.8	27.1	933	540	3.60
Class VI.....	643	140	8.5	5.9	4.3	3.0	244	16,955	6.33	2.59	5	0.2	16.1	1.1	9.0	200	25	0.50
Other farms.....	4,458	746	11.0	31.5	12.2	11.5	180	47,731	4.62	2.57	...	...	...	...	...	...	...	...
Area 7c.....	7,203	832	4.3	100.0	100.0	100.0	127	125,238	3.85	3.02	15	(Z)	100.0	100.0	100.0	684	760	4.00
Commercial farms.....	5,228	730	4.4	87.7	90.7	92.9	124	116,081	3.84	3.09	5	(Z)	33.3	15.4	39.5	267	225	3.00
Class I.....	56	19	3.1	2.3	5.3	4.5	150	7,785	5.34	3.57	...	...	...	...	...	...	...	...
Class II.....	293	111	8.3	13.3	23.1	21.8	135	33,859	4.78	3.53	...	...	...	...	...	...	...	...
Class III.....	602	123	4.6	14.8	16.4	16.8	125	21,011	3.84	3.08	...	...	...	...	...	...	...	...
Class IV.....	1,442	234	4.8	28.1	24.7	30.1	104	31,998	3.26	3.12	...	...	...	...	...	...	...	...
Class V.....	1,837	163	2.3	19.6	13.9	12.1	146	12,858	3.27	2.23	...	...	...	...	...	...	...	...
Class VI.....	1,001	80	3.9	9.6	7.3	7.7	121	8,570	3.42	2.82	...	...	...	...	...	...	...	...
Other farms.....	1,975	102	3.2	12.3	9.3	7.1	167	9,157	3.99	2.38	10	0.2	66.7	84.6	60.5	957	535	4.65
Areas 8, C, D, and E...	48,021	11,098	9.3	100.0	100.0	100.0	189	2,434,496	4.92	2.61	208	0.1	100.0	100.0	100.0	1,210	21,264	3.49
Commercial farms.....	33,156	9,369	9.5	84.4	93.3	94.4	187	2,291,227	4.91	2.63	173	0.1	83.2	97.6	95.6	1,235	20,554	3.53
Class I.....	481	243	13.0	2.2	10.0	10.4	183	306,775	5.98	3.27	8	0.1	3.8	4.9	6.9	857	1,305	3.11
Class II.....	2,645	1,036	9.9	9.3	16.4	19.0	163	423,876	4.51	2.76	40	0.2	19.2	22.1	24.9			

USE OF FERTILIZER AND LIME

Table 4—USE AND EXPENDITURES FOR FERTILIZER AND LIME BY ECONOMIC CLASS OF FARM, BY ECONOMIC AREAS: CENSUS OF 1954—Continued

State, economic area, and economic class of farm	Total number of farms	Fertilizer							Lime										
		Farms reporting use of fertilizer	Acres fertilized as a percent of total cropland plus improved pasture	Percent distribution of—		Quantity used per acre fertilized (lb.)	Expenditures (dollars)			Farms reporting use of lime	Acres limed as a percent of total cropland plus improved pasture	Percent distribution of—		Quantity used per acre limed (lb.)	Expenditures (dollars)				
				Farms reporting use of fertilizer	Acres fertilized		For fertilizer	Per acre fertilized	Per cent. of fertilizer used			Farms reporting use of lime	Acres limed		For lime	Per acre limed			
Texas—Continued																			
Area 10.....	15,413	5,478	18.2	100.0	100.0	100.0	203	890,573	5.18	2.56	37	(2)	100.0	100.0	100.0	937	1,492	3.78	
Commercial farms.....	10,561	4,615	19.1	84.2	92.5	93.4	201	829,989	5.17	2.58	37	(2)	100.0	100.0	100.0	937	1,492	3.78	
Class I.....	156	68	31.2	1.2	8.2	8.5	195	96,326	6.58	3.37	...	...	...	...	...	...	...	...
Class II.....	570	286	22.8	5.1	14.2	13.6	212	137,547	5.88	2.98	...	...	...	...	...	...	...	...
Class III.....	945	531	23.7	3.7	17.7	19.9	180	185,827	5.43	3.02	1	(2)	2.7	18.9	8.9	2,000	122	3.49	
Class IV.....	2,564	1,369	17.8	25.0	23.5	24.1	197	185,637	4.48	2.27	15	(1)	0.1	40.5	43.2	63.3	640	920	3.68
Class V.....	3,616	1,624	15.4	29.6	22.5	19.8	230	172,782	5.07	2.20	21	(2)	56.8	37.8	27.8	1,273	450	4.09	
Class VI.....	2,710	743	13.4	13.6	6.4	7.4	175	51,870	4.08	2.32	...	...	...	...	...	...	...	...
Other farms.....	4,852	863	11.3	15.8	7.5	6.6	230	63,584	5.33	2.32	...	...	...	...	...	...	...	...
Areas 11 and F.....	15,723	4,288	10.7	100.0	100.0	100.0	147	1,125,745	4.40	3.00	11	(2)	100.0	100.0	100.0	959	227	1.88	
Commercial farms.....	10,342	3,670	10.8	85.6	94.8	94.6	147	1,125,579	4.42	3.00	11	(2)	100.0	100.0	100.0	959	227	1.88	
Class I.....	915	239	6.0	5.6	19.3	17.1	166	283,678	6.16	3.72	1	(2)	9.1	5.2	5.0	1,000	12	2.00	
Class II.....	1,121	464	9.8	10.8	17.3	17.8	142	211,054	4.40	3.09	...	...	...	...	...	...	...	...
Class III.....	1,775	762	15.0	17.8	20.1	21.7	136	227,789	3.90	2.87	...	...	...	...	...	...	...	...
Class IV.....	2,414	999	16.5	23.3	21.9	21.8	148	224,853	3.83	2.59	10	(2)	90.9	94.8	95.0	957	215	1.87	
Class V.....	2,567	814	13.0	14.0	11.9	11.9	147	134,480	4.20	2.86	...	...	...	...	...	...	...	...
Class VI.....	1,550	392	10.9	9.1	4.4	4.2	151	43,725	3.83	2.54	...	...	...	...	...	...	...	...
Other farms.....	4,881	618	8.6	14.4	5.2	5.4	143	61,166	4.10	2.93	...	...	...	...	...	...	...	...
Area 12.....	49,123	28,291	27.9	100.0	100.0	100.0	268	5,191,088	6.45	2.46	657	0.7	100.0	100.0	100.0	2,008	113,583	5.38	
Commercial farms.....	18,371	14,344	32.8	50.7	79.0	80.1	265	4,156,200	6.44	2.43	529	0.9	77.0	89.8	88.1	2,045	102,603	5.52	
Class I.....	301	222	41.3	0.8	6.6	7.8	227	377,348	6.05	2.66	22	3.0	3.2	22.9	21.2	2,175	30,247	6.78	
Class II.....	1,300	961	35.8	3.4	12.4	11.6	387	693,170	7.45	2.60	91	1.4	13.2	18.3	17.6	2,095	22,384	6.04	
Class III.....	2,158	1,677	33.8	5.9	13.5	13.8	263	706,650	6.36	2.42	102	1.0	14.8	3.9	10.9	1,834	10,789	4.71	
Class IV.....	2,739	2,232	30.9	7.9	15.3	15.6	263	803,770	6.42	2.44	117	1.0	17.0	14.8	19.3	2,043	19,231	4.73	
Class V.....	5,051	4,003	32.3	14.1	18.6	18.3	272	934,847	6.33	2.33	131	0.6	19.1	14.5	12.5	2,335	15,958	6.01	
Class VI.....	6,822	5,249	28.9	18.6	12.6	13.0	261	634,415	6.06	2.32	66	0.4	9.6	4.4	6.8	1,319	4,094	2.87	
Other farms.....	30,752	13,947	17.5	44.3	21.3	19.9	284	1,040,888	6.50	2.29	158	0.3	23.0	10.2	11.9	1,730	10,980	4.38	
Area 13.....	14,795	6,997	25.4	100.0	100.0	100.0	259	839,754	6.64	2.61	262	1.0	100.0	100.0	100.0	2,174	27,626	5.63	
Commercial farms.....	3,830	2,509	28.5	37.5	70.2	72.0	249	602,220	6.62	2.66	171	1.1	65.3	69.4	70.1	2,152	19,486	5.67	
Class I.....	60	45	25.8	3.7	4.6	5.1	231	37,046	5.78	2.50	3	0.4	1.1	6.1	2.2	5,909	910	8.27	
Class II.....	283	181	29.4	2.7	11.3	11.7	247	113,929	7.72	3.12	24	1.2	9.2	11.4	12.3	2,000	4,225	6.98	
Class III.....	508	323	26.8	4.8	11.4	10.8	268	93,668	7.27	2.72	30	1.6	11.5	17.4	16.4	2,316	5,074	6.32	
Class IV.....	565	381	29.6	5.7	14.5	15.4	239	120,560	6.19	2.59	43	1.3	16.4	17.2	17.4	2,150	4,212	4.95	
Class V.....	1,127	765	29.1	11.4	17.6	18.4	244	146,431	6.29	2.58	61	1.2	23.3	15.6	19.1	1,818	4,720	5.05	
Class VI.....	1,287	814	27.9	12.2	10.9	10.6	262	84,586	6.32	2.42	10	0.3	3.8	1.4	2.8	1,111	345	2.56	
Other farms.....	10,965	4,188	19.8	62.5	29.8	28.0	271	237,534	6.70	2.48	91	0.8	34.7	30.6	29.9	2,225	8,140	5.56	
Areas 14, G, and H....	23,386	7,841	31.3	100.0	100.0	100.0	219	7,209,788	8.29	2.78	171	3.2	100.0	100.0	100.0	1,892	32,057	5.15	
Commercial farms.....	13,310	6,543	32.5	79.6	96.4	96.2	220	6,984,178	9.35	3.80	136	0.2	79.5	95.9	90.0	1,998	30,822	5.51	
Class I.....	1,551	1,414	43.7	18.0	68.3	68.4	218	5,151,015	8.65	3.47	13	0.1	7.1	11.9	11.8	1,905	4,380	5.98	
Class II.....	1,622	994	24.0	12.7	11.7	11.8	218	828,628	7.88	3.61	28	3.2	16.4	16.8	15.4	2,362	5,970	6.22	
Class III.....	2,431	1,146	20.4	14.6	7.0	7.0	225	476,607	7.82	3.55	21	0.2	12.3	8.8	7.7	2,167	1,630	3.40	
Class IV.....	2,880	1,120	17.3	14.3	5.2	4.8	239	303,424	7.29	3.05	42	0.7	24.6	28.2	28.7	1,866	8,467	4.74	
Class V.....	2,613	966	16.9	12.3	3.1	3.0	228	177,553	6.77	2.97	31	1.0	18.1	28.6	25.2	2,153	10,270	6.56	
Class VI.....	2,213	603	11.8	7.7	1.3	1.2	238	66,951	6.55	2.76	1	0.1	0.6	0.6	1.1	986	105	1.48	
Other farms.....	10,076	1,598	16.1	20.4	3.6	3.8	208	225,610	6.79	3.27	35	0.3	20.5	5.0	10.0	944	1,235	1.98	
Area 15.....	7,779	3,545	24.6	100.0	100.0	100.0	269	2,739,514	10.08	3.81	21	0.1	100.0	100.0	100.0	1,610	6,690	6.37	
Commercial farms.....	6,286	3,145	24.2	82.7	98.0	98.7	263	2,635,654	10.01	3.81	21	0.1	100.0	100.0	100.0	1,610	6,690	6.37	
Class I.....	1,067	728	26.5	20.5	60.7	59.5	270	1,635,139	10.43	3.96	16	0.2	76.2	91.1	95.2	1,540	6,020	6.02	
Class II.....	1,491	845	25.1	23.8	23.2	25.8	238	641,350	9.14	3.84	...	...	...	...	...	...	...	...
Class III.....	1,289	662	18.3	18.7	8.4	8.7	256	207,565	8.80	3.43	5	(2)	23.8	8.3	4.8	3,000	670	13.40	
Class IV.....	1,071	435	15.0	12.3	3.4	2.8	323	90,290	11.88	3.68	...	...	...	...	...	...	...	...
Class V.....	927	325	13.6	9.2	1.5	1.5	277	40,295	10.16	3.66	...	...	...	...	...	...	...	...
Class VI.....	441	150	14.4	4.2	0.8	0.5	416	21,015	15.23	3.66	...	...	...	...	...	...	...	...
Other farms.....	1,493	400	13.4	11.3	2.0	1.3	416	53,860	15.66	3.76	...	...	...	...	...	...	...	...
Utah, total.....	23,008	6,530	7.1	100.0	100.0	100.0	257	1,565,902	9.40	3.65	41	(2)	100.0	100.0	100.0	1,049	773	2.01	
Commercial farms.....	15,115	6,650	7.4	86.5	96.5	96.3	258	1,514,992	9.45	3.66	41	(2)	100.0	100.0	100.0	1,049	773	2.01	
Class I.....	841	387	8.4	5.9	23.5	20.4	246	376,690	11.07	3.73	6	(2)	14.6	5.9	18.2	343	40	0.80	
Class II.....	2,296	1,133	8.5	17.4	29.0	30.1	248	476,306	4.51	3.84	...	...	...	...	...	...	...	...
Class III.....	3,493	1,590	7.7	24.3	22.3	23.6	243	343,276	8.73	3.59	10	(2)	24.4	12.4	28.6	455	285	2.59	
Class IV.....	4,045	1,483	5.9	22.7	14.0	14.3	251	206,075	8.63	3.43	10	(2)	24.4	69.3	33.8	2,154	365	2.81	
Class V.....	3,390	920	5.5	14.1	6.9	7.1	251	102,344	8.71	3.46	10	(2)	24.4	5.0	10.4	500	50	1.25	
Class VI.....	1,030	137	3.1	2.1	0.7	0.8	238	10,301	7.96	3.34	5	0.1	12.2	7.4	9.1	857	30	0.86	
Other farms																			

USE OF FERTILIZER AND LIME

Table 4.—USE AND EXPENDITURES FOR FERTILIZER AND LIME BY ECONOMIC CLASS OF FARM, BY ECONOMIC AREAS:
CENSUS OF 1954—Continued

State, economic area, and economic class of farm	Total number of farms	Fertilizer							Lime									
		Farms reporting use of fertilizer	Acres fertilized as a percent of total cropland plus improved pasture	Percent distribution of—		Quantity used per acre fertilized (lb.)	Expenditures (dollars)			Farms reporting use of lime	Acres limed as a percent of total cropland plus improved pasture	Percent distribution of—		Quantity used per acre limed (lb.)	Expenditures (dollars)			
				Farms reporting fertilizer	Acres fertilized		For fertilizer	Per acre fertilized	Per cent. of fertilizer used			Farms reporting lime	Lime used		Acres limed	For lime	Per acre limed	
Utah—Continued																		
Area 3.....	7,372	1,648	4.6	100.0	100.0	100.0	259	399,941	8.88	3.43	5	(Z)	100.0	100.0	100.0	500	185	2.31
Commercial farms.....	4,918	1,402	4.8	85.1	95.6	95.0	260	382,345	8.94	3.43	5	(Z)	100.0	100.0	100.0	500	185	2.31
Class I.....	204	78	7.2	4.7	25.0	20.0	323	107,822	11.96	3.70	5	....	....	....	....	....	....	....
Class II.....	711	283	5.2	17.2	25.9	26.7	251	109,399	9.11	3.62	....	....	....	....	....	....	....	....
Class III.....	1,022	372	4.8	22.6	21.9	22.2	255	74,214	7.42	2.91	5	(Z)	100.0	100.0	100.0	500	185	2.31
Class IV.....	1,379	392	4.1	23.8	15.8	17.9	229	61,695	7.66	3.35	....	....	....	....	....	....	....	....
Class V.....	1,202	235	3.1	14.3	5.9	7.1	215	24,344	7.65	3.56	....	....	....	....	....	....	....	....
Class VI.....	4,400	42	2.4	2.5	1.2	1.2	260	4,871	9.30	3.58	....	....	....	....	....	....	....	....
Other farms.....	2,454	246	2.3	14.9	4.4	5.0	227	17,596	7.86	3.46	....	....	....	....	....	....	....	....
Vermont, total.....	15,999	8,264	18.9	100.0	100.0	100.0	432	2,202,296	10.41	2.41	4,433	5.1	100.0	100.0	100.0	2,324	312,879	5.44
Commercial farms.....	11,896	7,498	19.7	90.7	96.8	97.0	431	2,129,877	10.38	2.41	4,114	5.3	92.8	96.2	95.8	2,334	298,552	5.42
Class I.....	379	312	39.3	3.8	17.8	15.4	499	415,948	12.75	2.55	178	7.8	4.0	10.9	11.3	2,254	39,476	6.08
Class II.....	2,011	1,765	26.7	21.4	36.2	36.1	433	788,667	10.31	2.38	1,073	6.1	24.2	32.8	30.5	2,503	106,336	6.06
Class III.....	4,042	2,957	18.5	35.8	29.6	31.8	401	645,268	9.58	2.39	1,644	5.3	37.1	32.6	33.6	2,256	93,161	4.82
Class IV.....	2,951	1,595	10.2	19.3	8.9	9.3	413	191,090	9.71	2.35	816	3.9	18.4	12.5	13.1	2,220	36,564	4.86
Class V.....	1,921	713	9.0	8.6	3.8	3.8	429	77,454	9.67	2.25	337	4.2	7.6	6.6	6.5	2,373	18,521	4.97
Class VI.....	592	156	4.9	1.9	0.5	0.5	453	11,450	10.41	2.30	66	2.2	1.5	0.7	0.8	1,881	4,494	9.21
Other farms.....	4,103	766	8.2	9.3	3.2	3.0	456	72,419	11.37	2.49	319	3.2	7.2	3.8	4.2	2,102	14,327	5.86
Area 1.....	6,091	3,528	18.9	100.0	100.0	100.0	413	1,002,399	9.81	2.38	1,912	5.0	100.0	100.0	100.0	2,172	124,311	4.56
Commercial farms.....	5,181	3,403	18.9	96.5	96.8	97.3	410	967,314	9.73	2.37	1,852	5.1	96.9	99.0	99.0	2,174	123,146	4.57
Class I.....	154	134	32.4	3.8	16.3	14.2	474	175,966	12.14	2.56	62	7.0	3.2	8.2	11.5	1,555	13,300	4.25
Class II.....	1,020	919	23.5	26.0	39.8	40.4	407	383,638	9.29	2.29	547	5.7	28.6	38.8	36.5	2,309	49,404	4.97
Class III.....	2,002	1,463	17.1	41.5	29.9	31.5	391	304,270	9.45	2.42	823	5.3	43.0	39.2	36.8	2,317	44,957	4.48
Class IV.....	1,254	672	11.2	19.0	8.9	9.4	391	88,040	9.20	2.35	335	3.8	17.5	10.1	11.8	1,863	12,375	3.84
Class V.....	591	180	6.0	5.1	1.6	1.5	448	12,425	8.12	1.81	65	1.9	3.4	2.3	1.8	2,808	2,660	5.37
Class VI.....	160	35	5.2	1.0	0.3	0.3	400	2,975	9.30	2.32	20	2.3	1.0	0.3	0.5	1,103	450	3.10
Other farms.....	910	125	18.7	3.5	3.2	2.7	491	35,085	12.78	2.60	60	2.0	3.1	1.0	1.1	2,000	1,165	3.88
Area 2.....	9,908	4,736	19.0	100.0	100.0	100.0	449	1,199,897	10.96	2.44	2,521	5.2	100.0	100.0	100.0	2,461	188,568	6.23
Commercial farms.....	6,715	4,095	20.6	86.5	96.8	96.7	450	1,162,563	10.98	2.44	2,262	5.5	89.7	93.9	92.9	2,488	175,406	6.23
Class I.....	225	178	47.4	3.8	19.1	16.6	520	239,982	13.24	2.55	116	8.8	4.6	13.1	11.1	2,905	26,176	7.79
Class II.....	991	846	16.3	17.9	33.1	32.1	463	405,029	11.51	2.49	526	6.8	20.9	28.1	25.1	2,756	56,932	7.49
Class III.....	2,040	1,494	19.9	31.5	29.3	32.1	410	340,998	9.69	2.37	821	5.3	32.6	27.4	30.7	2,191	48,204	5.18
Class IV.....	1,697	923	9.3	19.5	8.9	9.2	433	103,050	10.19	2.35	481	4.0	19.1	14.3	14.2	2,488	24,189	5.63
Class V.....	1,330	533	10.3	11.3	5.6	5.9	425	65,029	10.03	2.36	272	5.1	10.8	10.0	10.7	2,307	15,861	4.91
Class VI.....	432	121	4.8	2.6	0.8	0.7	474	8,475	10.87	2.29	46	2.1	1.8	1.0	1.1	2,210	4,044	11.79
Other farms.....	3,193	641	5.8	13.5	3.2	3.3	430	37,334	10.30	2.40	259	3.4	10.3	6.1	7.1	2,117	13,162	6.14
Virginia, total.....	136,370	98,718	42.4	100.0	100.0	100.0	544	29,099,449	12.32	2.27	18,765	6.0	100.0	100.0	100.0	2,726	2,105,847	6.34
Commercial farms.....	71,401	63,274	45.7	64.1	90.5	89.0	553	26,399,651	12.56	2.27	14,082	6.3	75.0	87.2	87.3	2,825	1,849,893	6.38
Class I.....	1,893	1,584	55.4	1.6	15.9	13.6	634	4,490,907	13.95	2.20	771	10.1	4.1	18.8	17.7	2,725	376,786	6.42
Class II.....	4,500	4,057	51.9	4.1	18.2	17.1	581	5,161,964	12.81	2.21	1,833	7.3	9.8	17.7	17.0	2,829	371,803	6.57
Class III.....	7,752	6,965	50.0	7.1	16.9	16.9	543	4,917,972	12.33	2.27	2,356	6.6	12.6	15.7	15.9	2,687	350,492	6.64
Class IV.....	16,482	15,219	43.6	15.4	19.2	19.6	535	5,696,299	12.33	2.31	3,801	5.5	20.3	17.4	17.4	2,729	376,718	6.52
Class V.....	23,777	21,287	39.6	21.6	15.1	15.9	516	4,597,423	12.21	2.37	3,743	5.1	19.9	13.5	14.7	2,503	284,388	5.84
Class VI.....	16,997	14,162	32.5	14.3	5.2	5.9	479	1,535,086	10.99	2.29	1,578	3.5	8.4	4.2	4.6	2,517	89,706	5.88
Other farms.....	64,969	35,444	26.6	35.9	9.5	11.0	468	2,699,798	10.39	2.22	4,683	4.3	25.0	12.8	12.7	2,733	255,954	6.05
Area 1.....	10,090	5,958	21.9	100.0	100.0	100.0	421	483,367	9.64	2.29	354	1.7	100.0	100.0	100.0	3,001	21,289	5.51
Commercial farms.....	2,576	2,085	27.2	35.0	67.8	65.6	435	328,627	10.00	2.30	184	2.4	52.0	79.6	75.4	3,169	16,384	5.63
Class I.....	22	22	26.7	0.4	7.6	11.7	272	37,593	6.42	2.36	8	2.7	2.3	18.5	15.2	6,659	4,176	7.11
Class II.....	76	35	27.9	0.6	4.7	5.4	364	26,089	9.56	2.62	19	3.2	5.4	13.5	8.3	4,491	1,747	5.44
Class III.....	71	71	68.2	1.2	6.9	6.4	456	33,213	10.41	2.28	20	1.8	5.6	2.8	2.2	3,765	370	4.35
Class IV.....	269	219	19.0	3.7	9.8	9.7	428	44,057	9.09	2.13	47	2.7	13.3	12.3	18.0	2,061	3,886	5.60
Class V.....	863	748	28.2	12.6	22.3	19.1	491	108,770	11.37	2.32	55	3.0	15.5	24.8	26.3	2,828	4,825	4.75
Class VI.....	1,215	990	26.9	16.6	16.5	13.3	522	78,905	11.79	2.26	35	0.8	9.9	7.7	5.4	4,238	1,380	6.57
Other farms.....	7,514	3,873	16.0	65.0	32.2	34.4	395	154,740	8.97	2.27	170	0.9	48.0	20.4	24.6	2,484	4,905	5.16
Area 2.....	20,617	16,234	36.1	100.0	100.0	100.0	441	2,222,003	10.34	2.34	2,524	6.0	100.0	100.0	100.0	4,270	242,305	6.82
Commercial farms.....	10,018	9,035	37.8	55.7	80.8	80.5	443	1,808,002	10.46	2.36	1,692	6.3	67.0	84.8	80.6	4,493	200,630	7.00
Class I.....	83	83	45.9	0.5	8.2	8.9	407	193,217	10.08	2.48	58	15.2	2.3	27.7	17.8	6,636	59,703	9.42
Class II.....	232	222	43.9	1.4	8.8	8.4	465	191,991	10.67	2.30	124	10.6	4.9	10.2	12.2	3,956	27,330	6.31
Class III.....	544	533	42.3	3.3	11.3	11.9	419	251,473	10.87	2.35	202	6.3	8.0	9.1	10.6	3,648	22,302	5.90
Class IV.....	1,392	1,312	34.9	8.1	15.5	15.9	437	348,510	10.37									

USE OF FERTILIZER AND LIME

241

**Table 4—USE AND EXPENDITURES FOR FERTILIZER AND LIME BY ECONOMIC CLASS OF FARM, BY ECONOMIC AREAS:
CENSUS OF 1954—Continued**

State, economic area, and economic class of farm	Total number of farms	Fertilizer							Lime									
		Farms reporting use of fertilizer	Acres fertilized as a percent of total cropland plus improved pasture	Percent distribution of—			Quantity used per acre fertilized (lb.)	Expenditures (dollars)			Farms reporting use of lime	Acres limed as a percent of total cropland plus improved pasture	Percent distribution of—		Expenditures (dollars)			
				Farms reporting fertilizer	Fertilizer used	Acres fertilized		For fertilizer	Per acre fertilized	Per cent. of fertilizer used			Farms reporting lime	Lime used	Acres limed	For lime	Per acre limed	
Virginia—Continued																		
Areas 5 and B.....	12,804	8,041	35.7	100.0	100.0	100.0	466	3,313,331	10.18	2.19	3,020	10.0	100.0	100.0	100.0	2,678	552,019	6.03
Commercial farms.....	5,446	4,678	37.4	58.2	89.8	90.2	464	2,992,171	10.20	2.20	2,162	10.5	71.6	90.4	89.9	2,694	495,863	6.02
Class I.....	382	365	44.5	4.5	23.8	22.6	490	790,192	10.72	2.19	264	14.4	8.7	24.3	26.1	2,495	124,508	5.21
Class II.....	705	651	40.1	8.1	23.9	23.0	484	810,486	10.83	2.24	393	10.4	13.0	21.9	21.1	2,773	122,956	6.35
Class III.....	860	772	39.6	9.6	16.8	16.9	461	570,976	10.37	2.25	427	11.6	14.1	18.9	17.6	2,870	103,949	6.44
Class IV.....	1,060	962	30.9	12.0	13.4	14.0	446	435,275	9.55	2.14	484	8.9	16.0	14.9	14.3	2,801	85,637	6.55
Class V.....	1,352	1,121	31.9	13.9	9.0	9.9	426	287,602	8.96	2.10	458	8.3	15.2	8.7	9.1	2,570	48,843	5.88
Class VI.....	1,047	807	27.1	10.0	2.9	3.8	358	97,640	8.00	2.24	136	3.5	4.5	1.7	1.7	2,677	9,970	6.25
Other farms.....	7,358	3,363	24.9	41.8	10.2	9.8	481	321,160	10.02	2.08	858	7.2	28.4	9.6	10.1	2,539	56,156	6.08
Areas 6 and C.....	20,839	15,013	40.2	100.0	100.0	100.0	484	3,579,597	10.85	2.24	2,975	4.9	100.0	100.0	100.0	2,935	294,693	7.26
Commercial farms.....	10,079	8,897	44.2	59.3	85.7	85.3	487	3,064,989	10.89	2.24	2,223	5.4	74.7	84.3	84.8	2,918	252,653	7.34
Class I.....	204	168	59.7	1.1	9.5	9.5	481	324,131	10.31	2.14	97	7.1	3.3	10.3	9.3	3,258	32,457	8.62
Class II.....	598	542	51.3	3.6	14.3	14.8	468	516,993	10.62	2.27	231	4.2	7.8	10.2	9.9	3,026	50,820	7.66
Class III.....	976	855	47.0	5.7	15.7	14.5	526	558,369	11.71	2.23	326	6.7	11.0	15.4	16.7	2,707	50,680	7.49
Class IV.....	2,335	2,168	46.0	14.4	23.4	22.3	509	849,350	11.54	2.27	636	5.8	21.4	24.2	22.9	3,099	71,200	7.65
Class V.....	3,369	3,019	38.8	20.1	17.1	17.7	467	615,241	10.53	2.25	683	5.1	23.0	18.7	19.0	2,892	48,751	6.32
Class VI.....	2,597	2,145	27.8	14.3	5.7	6.5	425	200,905	9.34	2.20	250	3.7	8.4	5.5	7.1	2,304	18,845	6.58
Other farms.....	10,760	6,116	26.5	40.7	14.3	14.7	471	514,608	10.59	2.25	752	3.4	25.3	15.7	15.2	3,030	42,040	6.83
Area 7.....	27,218	23,667	42.2	100.0	100.0	100.0	619	5,803,089	15.09	2.44	2,398	2.8	100.0	100.0	100.0	2,618	188,508	7.29
Commercial farms.....	19,556	18,742	44.9	79.2	92.6	91.2	628	5,382,336	15.34	2.44	1,942	2.9	81.0	85.3	88.0	2,537	160,458	7.05
Class I.....	36	35	42.5	0.1	2.2	2.7	514	113,275	11.04	2.15	26	11.4	1.1	5.0	10.6	1,240	10,456	7.80
Class II.....	330	298	51.2	1.3	7.0	8.2	528	368,935	11.74	2.22	181	6.2	7.5	17.4	14.8	3,091	28,215	7.39
Class III.....	1,353	1,321	48.1	5.6	14.9	15.0	615	833,553	14.43	2.35	307	3.6	12.8	19.0	16.6	2,988	36,350	8.46
Class IV.....	5,817	5,616	46.9	23.7	32.7	31.0	652	1,851,861	15.52	2.38	698	2.4	29.1	23.8	23.4	2,661	47,172	7.79
Class V.....	8,426	8,101	43.0	34.2	28.4	26.8	656	1,779,997	17.30	2.64	525	1.9	21.9	15.0	17.9	2,188	29,635	6.39
Class VI.....	3,544	3,371	35.7	14.2	7.5	7.6	605	434,715	14.82	2.45	205	1.5	8.5	5.1	4.7	2,855	8,630	7.16
Other farms.....	7,662	4,925	25.9	20.8	7.4	8.8	520	420,753	12.50	2.40	456	2.4	19.0	14.7	12.0	3,211	28,050	9.05
Areas 8 and 9.....	10,510	7,901	60.0	100.0	100.0	100.0	463	2,779,474	10.27	2.22	2,003	8.9	100.0	100.0	100.0	1,743	251,671	6.29
Commercial farms.....	4,216	3,861	63.0	48.9	86.5	86.1	465	2,409,668	10.34	2.22	1,517	9.5	75.7	90.2	87.9	1,789	225,381	6.41
Class I.....	116	95	68.2	1.2	13.1	10.6	574	374,784	13.11	2.28	49	11.5	2.4	14.0	12.0	2,025	33,250	6.91
Class II.....	298	291	69.9	3.7	18.0	18.1	461	483,940	9.88	2.14	186	8.9	9.3	19.9	15.5	2,231	46,791	7.52
Class III.....	655	620	64.4	7.8	23.9	21.8	508	673,042	11.42	2.25	310	7.8	15.5	21.6	17.8	2,122	55,599	7.82
Class IV.....	917	872	60.4	11.0	16.0	17.5	422	446,042	9.41	2.23	389	8.5	19.4	16.3	16.6	1,712	39,605	5.96
Class V.....	1,263	1,152	56.7	14.6	11.1	13.4	382	306,275	8.44	2.21	416	12.8	20.8	14.3	20.5	1,221	40,105	4.90
Class VI.....	967	831	53.7	10.5	4.5	4.7	440	125,585	9.77	2.22	167	9.2	8.3	4.1	5.5	1,289	10,031	4.57
Other farms.....	6,294	4,040	46.2	51.1	13.5	13.9	450	369,806	9.84	2.19	486	6.0	24.3	9.8	12.1	1,408	26,290	5.42
Area 10.....	7,881	6,708	78.4	100.0	100.0	100.0	674	4,700,583	15.57	2.31	1,327	4.9	100.0	100.0	100.0	1,451	113,210	6.01
Commercial farms.....	6,183	5,723	79.6	85.3	90.1	96.8	676	4,578,822	15.66	2.32	1,209	4.9	91.1	94.0	95.2	1,433	108,616	6.06
Class I.....	121	119	88.3	1.8	11.6	10.9	718	560,971	17.06	2.38	32	7.0	2.4	19.4	13.8	2,049	17,125	6.61
Class II.....	690	665	82.8	9.9	28.9	25.5	762	1,332,344	17.27	2.27	156	3.9	11.8	24.4	19.3	1,833	22,594	6.21
Class III.....	1,360	1,289	80.1	19.2	25.3	25.5	670	1,187,769	15.42	2.30	287	4.5	21.6	19.1	23.1	2,000	26,819	6.18
Class IV.....	1,914	1,779	75.2	26.5	19.5	21.2	622	961,721	15.05	2.42	343	5.0	25.8	16.1	22.4	1,041	23,340	5.53
Class V.....	1,443	1,316	75.1	19.6	9.7	11.2	586	447,977	13.27	2.26	306	5.8	23.1	13.4	13.9	1,402	16,233	6.19
Class VI.....	655	555	70.6	8.3	2.0	2.5	525	88,040	11.54	2.20	85	4.6	6.4	1.5	2.7	840	2,505	5.01
Other farms.....	1,698	985	53.9	14.7	2.9	3.2	618	121,761	12.59	2.04	118	5.1	8.9	6.0	4.8	1,802	4,594	5.05
Areas 11 and D.....	3,078	2,187	69.3	100.0	100.0	100.0	966	3,039,202	20.45	2.12	759	10.3	100.0	100.0	100.0	1,966	158,422	7.20
Commercial farms.....	2,162	1,766	70.1	80.7	90.9	96.8	977	2,973,435	20.67	2.12	668	10.5	88.0	98.5	97.7	1,984	155,196	7.22
Class I.....	303	252	82.2	11.5	50.6	43.2	1,131	1,502,125	23.38	2.07	126	11.2	16.6	44.3	39.9	2,183	69,311	7.90
Class II.....	452	397	69.2	18.2	27.0	25.3	1,030	826,065	21.94	2.13	171	10.7	22.5	25.1	26.4	1,874	38,920	6.71
Class III.....	426	361	54.9	16.5	9.9	12.4	771	325,185	17.64	2.29	91	6.0	12.0	8.9	9.1	1,925	10,385	5.18
Class IV.....	411	331	58.5	15.1	6.4	9.4	673	202,180	14.45	2.15	140	10.6	18.4	11.9	11.5	2,032	19,490	7.70
Class V.....	380	300	63.4	13.7	2.7	5.1	524	85,970	11.43	2.18	110	16.9	14.5	7.7	9.1	1,656	14,945	7.45
Class VI.....	190	125	57.9	5.7	1.1	1.4	764	31,910	15.80	2.07	30	10.7	4.0	0.6	1.7	747	2,145	5.72
Other farms.....	916	421	52.3	19.3	2.1	3.2	628	65,767	13.92	2.22	91	5.7	12.0	1.5	2.3	1,243	3,226	6.26
Washington, total.....	65,135	23,458	22.5	100.0	100.0	100.0	175	14,199,586	7.97	4.54	1,594	0.3	100.0	100.0	100.0	2,381	300,883	11.78
Commercial farms.....	36,410	19,003	23.2	81.0	90.4	98.5	174	13,924,448	7.94	4.57	1,223	0.3	76.7	91.8	92.0	2,377	276,943	11.78
Class I.....	5,573	4,482	27.1	19.1	54.8	65.4	146	3,455,220	7.20	4.93	143	0.1	9.0	26.2	17.8	3,508	77,247	17.02
Class II.....	7,579	4,835	18.8	20.6	23.1	20.0	202	3,126,954	8.76	4.34	315	0.4	19.8	31.6	28.6	2,632	99,840	13.67
Class III.....	7,15																	

USE OF FERTILIZER AND LIME

Table 4.—USE AND EXPENDITURES FOR FERTILIZER AND LIME BY ECONOMIC CLASS OF FARM, BY ECONOMIC AREAS:
CENSUS OF 1954—Continued

State, economic area, and economic class of farm	Total number of farms	Fertilizer							Lime									
		Farms reporting use of fertilizer	Acres fertilized as a percent of total cropland plus improved pasture	Percent distribution of—		Quantity used per acre fertilized (lb.)	Expenditures (dollars)			Farms reporting use of lime	Acres limed as a percent of total cropland plus improved pasture	Percent distribution of—		Expenditures (dollars)				
				Farms reporting fertilizer	Acres fertilized		For fertilizer	Per acre fertilized	Per cent. of fertilizer used			Farms reporting lime	Acres limed	For lime	Per acre limed			
Washington—Continued																		
Areas 3, A, and B.....	10,349	2,471	17.2	100.0	100.0	100.0	635	562,834	22.06	3.48	341	1.7	100.0	100.0	100.0	2,274	35,810	13.80
Commercial farms.....	3,822	1,519	20.6	61.5	88.9	82.2	686	502,850	23.98	3.49	236	2.1	69.2	91.9	84.0	2,486	33,340	15.29
Class I.....	232	131	36.1	5.3	16.8	17.3	618	104,725	23.72	3.84	40	3.0	11.7	44.6	14.3	7,108	14,755	39.88
Class II.....	725	325	24.1	13.2	34.4	27.6	793	188,140	26.76	3.38	60	2.7	17.6	28.5	29.9	2,168	10,795	13.93
Class III.....	902	417	19.3	16.9	20.6	19.0	690	115,715	23.93	3.47	60	2.3	17.9	8.5	22.2	870	3,710	6.45
Class IV.....	751	255	16.4	10.3	9.5	9.8	614	55,630	22.25	3.62	40	2.4	11.7	6.8	14.3	1,081	2,635	7.12
Class V.....	817	311	11.1	12.6	6.4	7.0	573	32,685	18.18	3.17	30	0.5	8.8	3.4	3.3	2,353	1,365	16.06
Class VI.....	395	80	10.2	3.2	1.2	1.5	486	5,955	15.08	3.10	5	0.1	1.5	0.2	0.2	2,000	80	16.00
Other farms.....	6,527	952	9.7	38.5	11.1	17.8	397	59,984	13.23	3.33	105	0.9	30.8	8.1	16.0	1,157	2,470	5.95
Areas 4 and C.....	10,254	2,385	15.2	100.0	100.0	100.0	256	400,188	9.08	3.55	221	1.5	100.0	100.0	100.0	1,311	28,594	6.42
Commercial farms.....	3,987	1,400	17.6	58.7	85.2	85.0	256	343,688	9.17	3.58	151	1.9	68.3	78.4	91.1	1,128	21,914	5.40
Class I.....	137	65	37.8	2.7	19.5	17.5	286	85,031	11.05	3.87	16	2.0	7.2	5.3	9.3	748	1,964	4.77
Class II.....	430	224	23.4	9.4	19.0	20.8	234	71,890	7.83	3.35	15	0.2	6.8	4.8	1.9	3,294	1,575	18.53
Class III.....	702	309	20.2	13.0	23.0	18.4	320	88,390	10.91	3.41	40	2.8	18.1	33.6	25.4	1,735	8,505	7.53
Class IV.....	923	365	15.9	15.3	14.8	18.3	207	63,895	7.94	3.84	45	4.5	20.4	28.3	51.3	722	7,665	3.35
Class V.....	1,254	327	6.8	13.7	6.5	7.2	228	25,877	8.12	3.55	20	0.2	9.0	3.8	1.9	2,588	1,265	14.88
Class VI.....	541	110	8.1	4.6	2.4	2.9	218	8,605	6.80	3.12	15	0.4	6.8	2.7	1.3	2,667	940	15.67
Other farms.....	6,267	985	8.5	41.3	14.8	15.0	252	56,500	8.55	3.40	70	0.1	31.7	21.6	8.9	3,190	6,680	16.91
Area 5a.....	3,641	2,209	17.9	100.0	100.0	100.0	343	626,717	13.50	3.94	30	0.3	100.0	100.0	100.0	843	2,535	3.05
Commercial farms.....	2,549	1,894	18.7	85.7	96.7	97.0	342	611,302	13.58	3.97	30	0.3	100.0	100.0	100.0	843	2,535	3.05
Class I.....	674	638	38.0	28.9	58.5	58.2	344	376,260	13.92	4.04	20	1.0	66.7	90.0	85.5	887	2,170	3.06
Class II.....	616	519	15.5	23.5	21.3	22.2	328	130,596	12.66	3.86	5	0.2	16.7	4.3	12.0	300	125	1.25
Class III.....	477	322	9.0	14.6	8.9	8.2	373	51,604	13.58	3.64	...	...	...	...	...	...	...	...
Class IV.....	366	217	6.9	9.8	4.7	5.0	319	32,664	14.09	4.41	5	0.1	16.7	5.7	2.4	2,000	240	12.00
Class V.....	336	172	6.1	7.8	3.0	3.1	329	17,718	12.18	3.71	...	...	...	...	...	...	...	...
Class VI.....	80	26	3.1	1.2	0.3	0.2	482	2,460	21.96	4.56	...	...	...	...	...	...	...	...
Other farms.....	1,092	315	7.6	14.3	3.3	3.0	377	15,415	11.09	2.94	...	...	...	...	...	...	...	...
Area 5b.....	2,785	511	12.3	100.0	100.0	100.0	156	178,179	5.90	3.79	1	(2)	100.0	100.0	100.0	2,000	4	4.00
Commercial farms.....	1,717	435	13.4	85.1	95.7	96.4	154	172,624	5.93	3.84	1	(2)	100.0	100.0	100.0	2,000	4	4.00
Class I.....	29	25	20.3	4.9	7.8	8.6	140	15,255	5.88	4.19	...	...	...	...	...	...	...	...
Class II.....	169	93	28.5	18.2	50.1	49.0	159	98,022	6.63	4.16	...	...	...	...	...	...	...	...
Class III.....	366	115	10.3	22.5	18.7	20.2	143	33,271	5.45	3.80	...	...	...	...	...	...	...	...
Class IV.....	435	112	7.0	21.9	11.5	11.9	150	17,626	4.90	3.26	1	(2)	100.0	100.0	100.0	2,000	4	4.00
Class V.....	467	75	5.1	14.7	6.8	5.2	202	7,170	4.53	2.24	...	...	...	...	...	...	...	...
Class VI.....	251	15	3.6	2.9	0.9	1.4	95	1,280	3.05	3.20	...	...	...	...	...	...	...	...
Other farms.....	1,068	76	4.0	14.9	4.3	3.6	185	5,555	5.08	2.75	...	...	...	...	...	...	...	...
Area 6.....	10,156	5,257	24.7	100.0	100.0	100.0	290	3,103,563	11.94	4.11	10	(2)	100.0	100.0	100.0	2,000	590	9.08
Commercial farms.....	7,367	4,750	25.1	90.4	98.7	98.9	290	3,066,434	11.93	4.12	10	(2)	100.0	100.0	100.0	2,000	590	9.08
Class I.....	1,493	1,261	25.2	34.0	55.9	55.0	295	1,758,732	12.31	4.17	...	...	...	...	...	...	...	...
Class II.....	1,588	1,231	27.5	23.4	23.0	23.4	285	707,524	11.61	4.07	5	(2)	50.0	92.3	92.3	2,000	550	9.17
Class III.....	1,404	949	28.0	18.1	11.5	12.9	257	362,764	10.78	4.19	...	...	...	...	...	...	...	...
Class IV.....	1,358	716	19.8	13.6	5.9	5.1	335	163,578	12.39	3.70	...	...	...	...	...	...	...	...
Class V.....	1,249	497	13.9	9.5	2.2	2.2	289	85,725	11.72	4.05	...	...	...	...	...	...	...	...
Class VI.....	275	96	11.6	1.8	0.3	0.3	303	8,111	11.59	3.83	5	0.1	50.0	7.7	7.7	2,000	40	8.00
Other farms.....	2,789	507	10.0	9.6	1.3	1.1	322	37,129	12.44	3.87	...	...	...	...	...	...	...	...
Area 7a.....	4,134	2,228	15.9	100.0	100.0	100.0	132	3,233,409	6.91	5.23	...	...	...	...	...	...	...	...
Commercial farms.....	3,582	2,023	15.9	90.8	99.2	99.6	132	3,213,734	6.90	5.24	...	...	...	...	...	...	...	...
Class I.....	1,249	803	18.7	36.0	63.3	77.3	108	2,224,246	6.15	5.69	...	...	...	...	...	...	...	...
Class II.....	1,365	657	9.4	29.5	21.9	16.7	173	629,659	8.06	4.66	...	...	...	...	...	...	...	...
Class III.....	474	289	14.3	13.0	8.7	3.5	327	217,072	13.16	4.02	...	...	...	...	...	...	...	...
Class IV.....	297	188	20.2	8.4	4.4	1.7	341	123,657	15.37	4.51	...	...	...	...	...	...	...	...
Class V.....	120	56	14.8	2.5	0.6	0.2	351	13,220	12.41	3.53	...	...	...	...	...	...	...	...
Class VI.....	77	30	28.0	1.3	0.2	0.1	287	5,880	11.42	3.97	...	...	...	...	...	...	...	...
Other farms.....	552	205	9.1	9.2	0.8	0.4	295	19,675	11.75	3.98	...	...	...	...	...	...	...	...
Areas 7b and D.....	7,785	3,672	31.7	100.0	100.0	100.0	110	4,682,822	5.90	5.35	13	(2)	100.0	100.0	100.0	343	145	1.38
Commercial farms.....	5,418	3,378	32.1	92.0	99.5	99.6	110	4,666,092	5.90	5.36	8	(2)	61.5	44.4	90.5	168	125	1.32
Class I.....	1,544	1,318	36.1	35.9	74.5	76.1	108	3,493,923	5.78	5.36	2	(2)	15.4	11.1	11.4	333	28	2.33
Class II.....	1,462	1,013	25.1	27.6	17.7	17.6	111	881,300	6.30	5.69	...	...	...	...	...	...	...	...
Class III.....	859	442	21.3	12.0	4.0	3.4	130	167,736	6.22	4.77	1	(2)	7.7	5.6	2.9	667	7	2.33
Class IV.....	768	360	18.5	9.8	2.2	1.6	155	86,808	6.82	4.41	5	0.1	38.5	27.8	76.2	125	90	1.12
Class V.....	524	195	15.7	5.3	0.7	0.6	133	23,715	5.38	4.05	...	...	...	...	...	...	...	...
Class VI.....	261	50	20.3	1.4	0.3	0.3	120	12,610	5.42	4.54	...	...	...	...	...	...	...	...
Other farms.....	2,367	294	7.6	8.0	0.5	0.4	148	16,730	5.42	3.67	5	(2)	38.5	55.6	9.5	2,000	20	2.00
West Virginia, total.....	68,970	33,898	17.2	100.0	100.0	100.0	369	3,216,752	8.75	2.37	9,417	4.8	100.0	100.0	100.0	3,456	627,935	6.15
Commercial farms.....	21,504	13,865	20.3	40.9	74.3	73.9	3											

USE OF FERTILIZER AND LIME

243

**Table 4.—USE AND EXPENDITURES FOR FERTILIZER AND LIME BY ECONOMIC CLASS OF FARM, BY ECONOMIC AREAS.
CENSUS OF 1954—Continued**

State, economic area, and economic class of farm	Total number of farms	Fertilizer								Lime								
		Farms reporting use of fertilizer	Acres fertilized as a percent of total cropland plus improved pasture	Percent distribution of—			Quantity used per acre fertilized (lb.)	Expenditures (dollars)			Farms reporting use of lime	Acres limed as a percent of total cropland plus improved pasture	Percent distribution of—			Expenditures (dollars)		
				Farms reporting use of fertilizer	Fertilizer used	Acres fertilized		For fertilizer	Per acre fertilized	Per cent. of fertilizer used			Farms reporting use of lime	Lime used	Acres limed	For lime	Per acre limed	
West Virginia—Continued																		
Areas 2a and B.....	10,591	4,810	14.7	100.0	100.0	100.0	382	453,038	9.71	2.54	966	3.3	100.0	100.0	100.0	3,424	70,770	6.69
Commercial farms.....	3,348	2,187	18.8	45.5	75.2	77.2	372	349,093	9.69	2.61	591	4.1	61.2	77.6	74.5	3,565	56,170	7.13
Class I.....	33	28	65.4	0.6	13.7	15.1	346	68,854	9.77	2.83	7	2.2	0.7	2.6	2.2	4,078	2,281	9.83
Class II.....	122	101	38.0	2.1	16.7	17.7	360	70,040	8.47	2.36	64	9.4	6.6	22.9	19.3	4,068	20,601	10.10
Class III.....	225	159	30.8	3.3	12.3	16.9	277	55,962	7.05	2.54	62	3.3	6.4	7.6	8.1	3,229	6,351	7.42
Class IV.....	285	187	10.3	3.9	6.3	5.0	484	25,572	10.95	2.26	83	4.3	8.6	9.7	9.2	3,586	6,317	6.47
Class V.....	1,026	726	11.2	15.1	15.2	13.1	443	68,510	11.22	2.53	185	2.9	19.2	16.2	15.1	3,675	9,600	6.00
Class VI.....	1,657	986	7.7	20.5	11.0	9.4	449	60,555	13.86	3.09	190	3.8	19.7	18.5	20.6	3,080	11,020	5.07
Other farms.....	7,243	2,623	8.5	54.5	24.8	22.8	415	103,945	9.75	2.35	375	2.1	38.8	22.4	25.5	3,011	14,600	5.41
Area 2b.....	15,231	6,767	10.5	100.0	100.0	100.0	392	419,143	9.09	2.32	1,893	4.2	100.0	100.0	100.0	3,263	111,137	6.04
Commercial farms.....	4,441	2,401	10.9	35.5	61.5	59.9	402	254,407	9.22	2.29	983	4.8	51.9	66.2	65.6	3,292	76,012	6.30
Class I.....	17	7	13.6	0.1	0.3	0.5	206	1,063	4.20	2.04	2	2.3	0.1	0.2	0.2	2,810	201	4.79
Class II.....	89	53	7.3	0.8	4.0	2.4	652	17,692	16.07	2.46	24	4.7	1.3	3.4	3.9	2,862	3,374	4.75
Class III.....	243	150	16.2	2.2	10.1	10.8	367	41,302	8.37	2.27	102	6.1	5.4	13.2	10.2	4,218	13,862	7.39
Class IV.....	580	396	12.4	5.9	15.2	15.7	380	67,728	9.35	2.46	228	5.3	12.0	19.3	16.9	3,734	26,227	8.44
Class V.....	1,107	646	11.5	9.5	18.3	17.5	411	72,141	8.95	2.18	285	4.6	15.1	15.4	17.6	2,851	15,935	4.91
Class VI.....	2,405	1,149	7.9	17.0	13.6	13.0	410	54,481	9.11	2.22	342	4.1	18.1	14.7	16.8	2,855	16,413	5.32
Other farms.....	10,790	4,366	9.9	64.5	38.5	40.1	375	164,736	9.20	2.37	910	3.4	48.1	33.8	34.4	3,208	35,125	5.55
Area 3.....	9,076	4,238	14.9	100.0	100.0	100.0	388	394,726	9.27	2.39	1,594	5.6	100.0	100.0	100.0	3,323	103,781	6.55
Commercial farms.....	2,569	1,671	16.2	39.4	67.2	63.6	410	269,541	9.95	2.43	779	5.9	48.9	63.9	62.0	3,422	68,161	6.94
Class I.....	8	4	15.6	0.1	0.5	0.8	251	1,754	5.36	2.14	4	22.8	0.3	2.9	3.0	3,176	3,261	6.82
Class II.....	76	64	18.8	1.5	6.7	5.2	501	28,692	13.06	2.61	34	5.1	2.1	3.4	3.7	3,464	3,693	6.23
Class III.....	216	128	7.6	3.0	7.1	5.4	508	30,863	13.42	2.64	72	3.2	4.5	7.0	6.2	3,754	5,200	5.33
Class IV.....	356	278	26.5	6.6	19.9	18.2	424	69,450	8.94	2.11	133	5.5	8.3	11.7	10.1	3,854	11,937	7.47
Class V.....	853	587	17.5	13.9	19.8	19.6	393	84,882	10.17	2.59	266	5.7	26.7	18.5	17.2	3,594	22,745	8.37
Class VI.....	1,060	610	13.5	14.4	13.3	24.5	356	53,900	8.76	2.46	270	7.6	16.9	19.9	21.9	3,022	21,325	6.15
Other farms.....	6,507	2,567	13.1	60.6	32.8	36.4	350	125,185	8.08	2.31	815	5.1	51.1	36.1	38.0	3,160	35,620	5.92
Areas 4 and C.....	11,810	5,863	14.4	100.0	100.0	100.0	334	226,612	8.22	2.46	848	5.0	100.0	100.0	100.0	2,712	40,601	4.27
Commercial farms.....	1,352	859	17.3	14.7	35.9	32.2	372	83,179	9.36	2.51	238	6.5	28.1	40.0	35.0	3,101	15,421	4.64
Class I.....	21	6	16.3	0.1	1.0	0.4	800	2,360	21.45	2.68	5	0.7	0.6	(2)	0.1	2,000	60	12.00
Class II.....	30	20	21.7	0.3	2.0	1.8	376	3,480	7.10	1.89	15	4.4	1.8	1.5	1.1	3,800	665	6.65
Class III.....	61	50	22.2	0.9	4.4	3.0	501	11,305	13.54	2.70	20	4.5	2.4	3.1	1.7	4,788	1,040	6.30
Class IV.....	142	87	11.0	1.5	5.0	4.9	342	13,085	9.70	2.83	27	3.4	3.2	4.8	4.4	2,952	2,190	5.21
Class V.....	310	204	23.7	3.5	10.1	8.1	417	22,869	10.24	2.45	56	9.5	6.6	12.7	9.4	3,645	4,316	4.81
Class VI.....	788	492	16.8	8.4	13.4	14.1	318	30,350	7.81	2.46	115	7.5	13.6	17.9	18.3	2,657	7,150	4.12
Other farms.....	10,458	5,004	13.4	85.3	64.1	67.8	316	143,433	7.67	2.43	610	4.4	71.9	60.0	65.0	2,503	25,180	4.07
Area 5.....	13,233	8,416	23.1	100.0	100.0	100.0	373	989,920	8.65	2.32	2,446	5.5	100.0	100.0	100.0	3,781	164,528	6.00
Commercial farms.....	6,203	4,440	24.0	52.8	79.5	78.8	376	789,842	8.76	2.33	1,623	5.8	66.4	82.0	79.2	3,915	140,313	6.46
Class I.....	185	136	32.7	1.6	10.4	10.7	361	123,651	10.06	2.79	52	3.8	2.1	5.0	5.2	3,626	7,775	5.44
Class II.....	565	389	27.0	4.6	13.9	13.7	378	126,690	8.09	2.14	148	5.6	6.1	12.0	11.9	3,804	23,500	7.20
Class III.....	979	630	23.9	7.5	18.0	16.2	415	173,124	9.35	2.25	323	7.0	13.2	23.1	19.7	4,423	38,243	7.02
Class IV.....	1,031	728	21.6	8.7	12.8	13.2	363	125,996	8.34	2.30	318	5.6	13.0	15.7	14.4	4,215	27,763	7.08
Class V.....	1,476	1,098	22.2	13.0	12.9	13.4	360	127,184	8.30	2.31	415	6.4	17.0	15.0	16.3	3,477	24,860	5.58
Class VI.....	1,967	1,459	21.2	17.3	11.5	11.6	371	113,197	8.52	2.30	367	5.1	15.0	11.3	11.7	3,662	18,172	5.68
Other farms.....	7,030	3,976	20.0	47.2	20.5	21.2	362	200,078	8.25	2.28	823	4.7	33.6	18.0	20.8	3,273	24,215	4.24
Area 6.....	2,203	1,470	37.3	100.0	100.0	100.0	329	482,346	7.48	2.27	401	4.4	100.0	100.0	100.0	3,957	46,760	6.13
Commercial farms.....	1,237	1,074	39.3	73.1	92.3	94.7	321	441,051	7.22	2.25	286	4.2	71.3	84.8	86.0	3,901	39,155	5.96
Class I.....	80	62	58.3	4.2	18.6	20.2	303	107,427	8.26	2.72	27	5.5	6.7	15.0	16.1	3,628	7,885	6.44
Class II.....	168	158	39.3	10.7	19.5	21.6	296	90,460	6.49	2.19	32	5.0	8.0	21.8	23.4	3,681	8,225	4.61
Class III.....	346	321	38.7	21.8	30.4	29.7	337	134,295	7.01	2.08	66	2.8	16.5	18.1	18.3	3,921	6,605	4.73
Class IV.....	311	281	34.2	19.1	15.5	15.1	337	72,399	7.42	2.20	81	4.5	20.2	17.0	16.8	3,992	10,490	8.16
Class V.....	201	161	28.7	11.0	6.2	6.0	338	27,990	7.21	2.13	55	5.1	13.7	10.3	9.1	4,489	4,925	7.09
Class VI.....	131	91	22.4	6.2	2.1	2.1	336	8,480	6.30	1.88	25	3.0	6.2	2.6	2.4	4,389	1,025	5.69
Other farms.....	966	396	19.2	26.9	7.7	5.3	476	41,295	12.11	2.54	115	6.0	28.7	15.2	14.0	4,300	7,605	7.34
Wisconsin, total.....	153,622	104,353	30.1	100.0	100.0	100.0	223	25,737,823	6.65	2.98	35,006	4.0	<					

USE OF FERTILIZER AND LIME

Table 4.—USE AND EXPENDITURES FOR FERTILIZER AND LIME BY ECONOMIC CLASS OF FARM, BY ECONOMIC AREAS.
CENSUS OF 1954—Continued

State, economic area, and economic class of farm	Total number of farms	Fertilizer							Lime									
		Farms reporting use of fertilizer	Acres fertilized as a percent of total cropland plus improved pasture	Percent distribution of—			Quantity used per acre fertilized (lb.)	Expenditures (dollars)			Farms reporting use of lime	Acres limed as a percent of total cropland plus improved pasture	Percent distribution of—		Quantity used per acre limed (lb.)	Expenditures (dollars)		
				Farms reporting fertilizer	Fertilizer used	Acres fertilized		For fertilizer	Per acre fertilized	Per cent. of fertilizer used			Farms reporting lime	Lime used		Acres limed	For lime	Per acre limed
Wyoming—Continued																		
Area 1.....	2,271	145	0.7	100.0	100.0	100.0	215	40,757	6.70	3.11	...	...	...	...	...	...	...	...
Commercial farms.....	1,921	134	0.7	92.4	99.4	98.9	217	40,395	6.72	3.10	...	...	...	...	...	...	...	...
Class I.....	288	15	0.5	10.3	18.6	23.0	175	7,692	5.50	3.15	...	...	...	...	...	...	...	...
Class II.....	350	33	1.0	22.8	37.3	36.2	222	14,598	6.64	2.99	...	...	...	...	...	...	...	...
Class III.....	494	57	0.9	39.3	27.0	25.4	229	10,529	6.82	2.97	...	...	...	...	...	...	...	...
Class IV.....	411	13	0.4	9.0	2.7	5.2	114	1,898	6.03	5.27	...	...	...	...	...	...	...	...
Class V.....	308	16	1.5	11.0	13.7	9.1	324	5,678	10.23	3.15	...	...	...	...	...	...	...	...
Class VI.....	70	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Other farms.....	350	11	0.3	7.6	0.6	1.1	116	362	5.25	4.52	...	...	...	...	...	...	...	...
Area 2a.....	4,230	1,413	12.1	100.0	100.0	100.0	191	649,760	8.22	4.30	5	0.1	100.0	100.0	100.0	1,024	750	1.18
Commercial farms.....	3,318	1,320	12.6	93.4	98.8	98.9	191	642,695	8.22	4.30	5	0.1	100.0	100.0	100.0	1,024	750	1.18
Class I.....	259	137	15.0	9.7	23.7	25.2	180	154,427	7.76	4.31	...	...	...	...	...	...	...	...
Class II.....	702	380	16.3	26.9	36.8	33.1	213	244,212	9.34	4.39	5	0.4	100.0	100.0	100.0	1,024	750	1.18
Class III.....	922	374	11.1	26.5	20.8	20.4	195	136,735	8.47	4.35	...	...	...	...	...	...	...	...
Class IV.....	813	325	11.9	23.0	14.5	17.0	163	88,838	6.61	4.05	...	...	...	...	...	...	...	...
Class V.....	479	88	4.8	6.2	2.7	3.0	172	16,713	6.99	4.06	...	...	...	...	...	...	...	...
Class VI.....	243	16	1.0	1.1	0.3	0.2	214	1,770	9.47	4.42	...	...	...	...	...	...	...	...
Other farms.....	912	93	2.7	6.6	1.2	1.1	209	7,065	8.30	3.97	...	...	...	...	...	...	...	...
Area 2b.....	4,854	731	2.7	100.0	100.0	100.0	197	310,964	8.58	4.35	2	(2)	100.0	100.0	100.0	1,912	1,208	3.78
Commercial farms.....	4,394	715	2.7	97.8	99.0	98.7	198	308,666	8.62	4.36	2	(2)	100.0	100.0	100.0	1,912	1,208	3.78
Class I.....	394	77	3.3	10.5	23.2	22.4	204	68,532	8.44	4.14	1	0.1	50.0	98.0	93.8	2,000	1,188	3.96
Class II.....	900	207	3.0	28.3	30.7	29.8	203	96,131	8.89	4.38	...	...	...	...	...	...	...	...
Class III.....	1,242	267	3.4	36.5	33.1	32.4	201	106,114	9.03	4.49	1	(2)	50.0	2.0	6.2	600	20	1.00
Class IV.....	955	101	1.6	13.8	8.6	9.8	173	27,199	7.68	4.43	...	...	...	...	...	...	...	...
Class V.....	647	47	1.0	6.4	2.1	3.0	142	6,440	6.00	4.24	...	...	...	...	...	...	...	...
Class VI.....	256	16	2.0	2.2	1.3	1.4	188	4,250	8.33	4.43	...	...	...	...	...	...	...	...
Other farms.....	460	16	1.0	2.2	1.0	1.3	149	2,298	5.05	3.38	...	...	...	...	...	...	...	...

2 Less than 0.05.

USE OF FERTILIZER AND LIME

Table 5.—USE AND EXPENDITURES FOR FERTILIZER AND LIME OF COMMERCIAL FARMS BY TENURE OF FARM OPERATOR, BY ECONOMIC AREAS: CENSUS OF 1954

State, economic area, and tenure of operator	Fertilizer									Lime							
	Farms reporting use of fertilizer	Acres fertilized as a percent of total cropland plus improved pasture	Percent distribution of—			Quantity used per acre fertilized (lb.)	Expenditures (dollars)			Farms reporting use of lime	Acres limed as a percent of total cropland plus improved pasture	Percent distribution of—			Expenditures (dollars)		
			Farms reporting fertilizer	Fertilizer used	Acres fertilized		For fertilizer	Per acre fertilized	Per cent. of fertilizer used			Farms reporting lime	Lime used	Acres limed	Quantity used per acre limed (lb.)	For lime	Per acre limed
United States, total.....	2,294,961	26.0	100.0	100.0	100.0	307	1,024,105,436	8.81	2.87	450,850	2.2	100.0	100.0	100.0	3,328	65,021,932	6.65
Owners, part owners, and managers..	1,585,383	25.1	69.1	74.0	72.1	314	755,140,673	9.01	2.87	371,155	2.4	82.3	78.6	80.7	3,241	52,447,574	6.64
Cash tenants.....	62,292	30.4	2.7	2.7	2.5	336	28,916,096	9.97	2.97	8,549	1.8	1.9	1.7	1.8	3,109	1,136,154	6.52
All share tenants.....	390,485	25.4	17.0	16.2	20.0	249	178,288,592	7.55	3.03	59,623	1.6	13.2	18.1	15.4	3,895	10,210,458	6.76
Croppers (South only).....	214,190	68.8	9.3	5.6	3.9	435	49,883,114	10.94	2.52	5,889	1.2	1.3	0.5	0.8	1,936	412,638	5.38
Other tenants.....	42,611	31.0	1.9	1.5	1.5	315	14,876,961	8.69	2.76	5,634	2.3	1.2	1.2	1.3	3,173	815,108	6.54
Alabama, total.....	89,346	62.1	100.0	100.0	100.0	409	35,036,378	8.55	2.09	5,209	3.0	100.0	100.0	100.0	1,807	1,001,520	5.12
Owners, part owners, and managers..	50,551	57.1	56.6	69.1	66.9	422	24,191,193	8.82	2.09	4,298	3.5	82.5	86.3	86.2	1,809	850,000	5.04
Cash tenants.....	7,413	64.8	8.3	5.0	5.4	375	1,773,342	8.00	2.13	140	1.9	2.7	3.4	3.4	1,792	34,999	5.28
All share tenants.....	14,611	76.3	16.4	13.8	15.0	375	4,887,978	7.94	2.12	466	1.6	8.9	7.0	6.5	1,924	69,398	5.43
Croppers.....	12,764	85.6	14.3	9.3	9.8	389	3,183,979	7.95	2.04	213	0.8	4.1	1.9	1.9	1,759	22,380	5.94
Other tenants.....	4,007	63.7	4.5	2.8	2.9	393	999,886	8.36	2.13	92	2.0	1.8	1.5	2.0	1,401	24,743	6.47
Area 1.....	13,284	64.5	100.0	100.0	100.0	367	4,618,765	7.20	1.96	920	3.2	100.0	100.0	100.0	2,356	146,531	4.64
Owners, part owners, and managers..	6,613	59.0	49.8	59.2	58.7	370	2,776,344	7.37	1.99	733	4.1	79.7	83.5	83.3	2,361	121,844	4.63
Cash tenants.....	120	56.7	0.9	1.4	1.3	395	68,630	8.16	2.06	2	0.4	0.2	0.2	0.2	2,833	425	7.08
All share tenants.....	2,829	69.3	21.3	21.8	22.7	353	979,761	6.73	1.91	144	2.2	15.7	14.8	14.8	2,365	21,112	4.53
Croppers.....	3,235	91.1	24.4	14.2	13.8	375	629,440	7.08	1.89	36	0.5	3.9	1.4	1.7	2,000	3,050	5.81
Other tenants.....	487	67.2	3.7	3.5	3.5	366	164,590	7.39	2.02	5	0.1	0.5	0.1	0.1	2,000	100	4.00
Area 2.....	15,880	76.8	100.0	100.0	100.0	447	5,781,491	10.46	2.34	550	2.0	100.0	100.0	100.0	1,954	66,113	4.58
Owners, part owners, and managers..	10,149	74.1	63.9	64.9	63.3	458	3,776,467	10.79	2.36	445	2.6	80.9	81.5	84.6	1,884	50,043	4.10
Cash tenants.....	195	78.0	1.2	1.0	0.9	477	52,695	10.31	2.16	...	...	...	...	...	...	...	...
All share tenants.....	3,571	81.2	22.5	23.3	24.8	419	1,356,485	9.88	2.36	40	0.6	7.3	8.0	6.5	2,392	7,040	7.45
Croppers.....	1,506	85.5	9.5	8.2	8.1	450	445,735	9.94	2.21	40	0.9	7.3	4.0	3.4	2,283	3,210	6.48
Other tenants.....	459	80.9	2.9	2.6	2.8	418	150,109	9.66	2.31	25	4.1	4.5	6.4	5.4	2,318	5,820	7.41
Areas 3 and A.....	6,536	57.6	100.0	100.0	100.0	420	2,450,514	9.02	2.15	461	4.0	100.0	100.0	100.0	1,824	83,231	4.40
Owners, part owners, and managers..	4,187	52.7	64.1	69.8	68.5	428	1,700,007	9.14	2.13	436	5.1	94.6	91.7	94.9	1,762	75,413	4.21
Cash tenants.....	222	46.8	3.4	2.6	3.0	365	63,440	7.74	2.12	1	0.4	0.2	0.7	0.3	3,846	475	7.31
All share tenants.....	1,080	75.8	16.5	14.1	15.5	380	353,574	8.37	2.20	18	1.2	3.9	5.6	3.5	2,890	5,143	7.68
Croppers.....	812	84.1	12.4	10.2	10.0	426	250,825	9.22	2.16	1	0.1	0.2	0.1	0.2	1,333	140	4.67
Other tenants.....	235	60.6	3.6	3.3	3.0	467	82,668	10.26	2.20	5	1.5	1.1	1.9	1.1	3,250	2,060	10.30
Areas 4 and B.....	5,780	48.1	100.0	100.0	100.0	394	1,773,715	8.59	2.10	443	3.8	100.0	100.0	100.0	1,738	99,806	6.06
Owners, part owners, and managers..	3,334	43.3	57.7	70.3	68.4	405	1,238,094	8.77	2.17	402	4.6	90.7	89.9	90.9	1,719	90,311	6.03
Cash tenants.....	608	62.3	10.5	6.6	7.4	349	118,515	7.72	2.22	25	1.1	5.6	1.6	1.7	1,607	1,460	5.21
All share tenants.....	555	57.0	9.6	6.9	7.4	367	125,390	8.22	2.24	5	0.7	1.1	7.0	6.1	2,000	7,000	7.00
Croppers.....	789	72.6	13.7	10.9	11.1	387	194,311	8.49	2.19	11	3.7	2.5	1.5	1.3	2,000	1,035	4.70
Other tenants.....	494	58.9	8.5	5.4	5.7	372	97,405	8.23	2.21	...	...	...	...	...	...	...	...
Area 5.....	11,740	59.4	100.0	100.0	100.0	397	4,047,817	8.48	2.14	518	3.2	100.0	100.0	100.0	1,902	139,079	5.33
Owners, part owners, and managers..	7,337	55.5	62.5	73.1	71.1	409	2,948,362	8.70	2.13	435	3.5	84.0	84.6	81.5	1,974	118,161	5.55
Cash tenants.....	880	58.7	7.5	5.1	5.5	365	208,586	7.92	2.17	26	7.0	5.0	12.7	12.1	2,000	15,430	4.89
All share tenants.....	1,569	75.6	13.4	10.0	11.4	350	418,578	7.72	2.20	16	0.2	3.1	0.6	0.6	7,775	1,608	9.51
Croppers.....	1,418	86.9	12.1	7.9	8.6	366	320,725	7.84	2.14	20	0.4	3.9	0.6	0.8	1,512	1,075	5.24
Other tenants.....	536	58.0	4.6	3.9	3.5	448	151,566	9.15	2.04	21	4.5	4.1	1.5	4.9	560	2,805	2.18
Areas 6 and C.....	12,889	41.9	100.0	100.0	100.0	396	4,403,855	7.77	1.96	434	2.3	100.0	100.0	100.0	1,802	160,980	5.29
Owners, part owners, and managers..	4,944	37.7	38.4	74.6	73.3	403	3,186,243	7.68	1.90	404	2.6	93.1	94.8	93.7	1,823	151,127	5.31
Cash tenants.....	3,161	56.1	24.5	10.7	11.4	371	509,427	7.88	2.13	18	1.4	4.1	4.6	5.2	1,602	7,799	4.98
All share tenants.....	1,759	64.5	13.6	5.4	5.7	374	258,767	7.96	2.13	3	0.2	0.7	0.3	0.3	2,000	580	6.59
Croppers.....	1,842	70.5	14.3	6.0	5.8	409	279,632	8.55	2.09	3	0.5	0.7	0.3	0.8	575	1,423	5.93
Other tenants.....	1,183	55.3	9.2	3.3	3.8	347	169,786	7.88	2.27	6	0.1	1.4	0.1	0.1	1,576	51	1.55
Area 7a.....	18,541	76.6	100.0	100.0	100.0	380	8,634,116	7.80	2.05	1,513	3.2	100.0	100.0	100.0	1,366	232,070	5.07
Owners, part owners, and managers..	10,009	72.1	54.0	63.0	61.7	388	5,490,954	8.04	2.07	1,102	3.8	72.8	79.0	79.2	1,363	175,495	4.84
Cash tenants.....	1,925	80.5	10.4	7.0	7.4	363	628,259	7.69	2.12	57	1.1	3.8	2.6	2.4	1,474	7,185	6.58
All share tenants.....	3,062	85.0	16.5	15.8	16.4	365	1,331,790	7.32	2.00	229	2.4	15.1	10.0	11.0	1,231	24,640	4.87
Croppers.....	3,036	90.2	16.4	12.3	12.6	373	1,027,158	7.37	1.98	101	1.3	6.7	5.5	4.4	1,711	12,125	6.05
Other tenants.....	509	71.8	2.7	1.9	1.9	372	155,955	7.43	1.99	24	4.7	1.6	2.9	3.0	1,332	12,625	9.18
Area 7b.....	1,872	53.6	100.0	100.0	100.0	344	488,156	7.57	2.20	57	1.5	100.0	100.0	100.0	1,662	11,607	6.40
Owners, part owners, and managers..	1,434	51.4	76.6	86.8	85.3	350	423,719	7.70	2.20	57	1.7	100.0	100.0	100.0	1,662	11,607	6.40
Cash tenants.....	176	62.5	9.4	6.1	6.7	315	30,795	7.14	2.26	...	...	...	...	...	...	...	...
All share tenants.....	130	88.2	6.9	3.1	3.8	280	16,645	6.74	2.41	...	...	...	...	...	...	...	...
Croppers.....	85	99.1	4.5	2.3	2.6	312	10,020	6.02	1.93	...	...	...	...	...	...	...	...
Other tenants.....	47	51.3	2.5	1.6	1.6	342	6,977	6.86	2.00	...	...	...	...	...	...	...	...
Areas 8 and D.....	2,824	78.4	100.0	100.0	100.0	662	2,837,949	13.41	2.03	313	3.8	100.0	100.0	100.0	1,755	62,103	6.10
Owners, part owners, and managers..	2,544	79.6	90.1	93.5	92.7	667	2,651,003	13.51	2.02	284	3.8	90.7	91.2	92.4	1,731	55,999	5.96
Cash tenants.....	126	75.3	4.5	3.2	3.6	593	92,995	12.37	2.09	11	4.2	3.5	3.3	4.1	1,422	2,225	5.36
All share tenants.....	56	64.8	2.0	1.6	1.9	564	46,988	1									

USE OF FERTILIZER AND LIME

247

**Table 5.—USE AND EXPENDITURES FOR FERTILIZER AND LIME OF COMMERCIAL FARMS BY TENURE OF FARM OPERATOR,
BY ECONOMIC AREAS: CENSUS OF 1954—Continued**

State, economic area, and tenure of operator	Farms reporting use of fertilizer	Fertilizer							Lime								
		Acres fertilized as a percent of total cropland plus improved pasture	Percent distribution of—			Quantity used per acre fertilized (lb.)	Expenditures (dollars)			Acres limed as a percent of total cropland plus improved pasture	Percent distribution of—			Expenditures (dollars)			
			Farms reporting fertilizer	Fertilizer used	Acres fertilized		For fertilizer	Per acre fertilized	Per cent. of fertilizer used		Farms reporting lime	Lime used	Acres limed	Quantity used per acre limed (lb.)	For lim-	Per acre limed	
Arizona—Continued																	
Area 1.....	154	5.4	100.0	100.0	100.0	197	64,928	8.08	4.10	...	...	...	...	...	...	...
Owners, part owners, and managers..	144	3.4	93.5	59.6	61.5	191	43,653	8.84	4.62	...	...	...	...	...	...	...
Cash tenants.....	1	52.1	0.6	6.3	6.8	182	3,750	6.82	3.75	...	...	...	...	...	...	...
All share tenants.....	2	62.3	1.3	15.8	20.0	155	8,325	5.17	3.33	...	...	...	...	...	...	...
Other tenants.....	7	46.3	4.5	18.3	11.6	310	9,200	9.84	3.17	...	...	...	...	...	...	...
Area A.....	1,429	62.2	100.0	100.0	100.0	314	5,569,904	15.80	5.03	5	(Z)	100.0	100.0	100.0	1,000	375	1.88
Owners, part owners, and managers..	1,169	61.4	81.8	89.1	88.1	318	4,966,923	15.99	5.04	5	(Z)	100.0	100.0	100.0	1,000	375	1.88
Cash tenants.....	138	68.8	9.7	5.5	5.5	312	302,149	15.48	4.90	...	...	...	...	...	...	...	...
All share tenants.....	102	66.7	7.1	4.6	5.4	266	246,999	12.90	4.86	...	...	...	...	...	...	...	...
Other tenants.....	20	81.3	1.4	0.8	1.0	262	53,833	15.86	6.06	...	...	...	...	...	...	...	...
Area 2a.....	1,006	60.5	100.0	100.0	100.0	328	5,712,119	16.51	5.03	3	(Z)	100.0	100.0	100.0	2,054	2,500	11.16
Owners, part owners, and managers..	785	60.6	78.0	81.3	80.8	330	4,583,818	16.41	4.97	3	(Z)	100.0	100.0	100.0	2,054	2,500	11.16
Cash tenants.....	69	56.3	6.9	6.9	5.2	436	380,620	21.21	4.87	...	...	...	...	...	...	...	...
All share tenants.....	121	61.7	12.0	10.1	12.1	275	644,840	15.43	5.62	...	...	...	...	...	...	...	...
Other tenants.....	31	63.4	3.1	1.7	2.0	286	102,841	15.12	5.29	...	...	...	...	...	...	...	...
Area 2b.....	485	35.3	100.0	100.0	100.0	242	919,663	11.91	4.93	5	0.1	100.0	100.0	100.0	2,000	1,000	4.00
Owners, part owners, and managers..	369	33.9	76.1	81.8	79.5	249	726,056	11.83	4.76	...	...	...	...	...	...	...	...
Cash tenants.....	34	44.9	7.0	4.2	5.4	186	55,580	13.23	7.13	...	...	...	...	...	...	...	...
All share tenants.....	78	45.6	16.1	13.9	14.8	227	136,703	11.94	5.27	5	1.0	100.0	100.0	100.0	2,000	1,000	4.00
Other tenants.....	4	6.4	0.8	0.1	0.2	139	1,324	7.65	5.52	...	...	...	...	...	...	...	...
Arkansas, total.....	67,174	35.6	100.0	100.0	100.0	235	20,790,428	7.57	3.23	2,878	0.4	100.0	100.0	100.0	2,986	419,415	6.10
Owners, part owners, and managers..	33,827	30.9	50.4	61.5	60.6	238	12,544,341	7.54	3.16	2,548	1.1	88.5	87.6	88.0	2,971	373,474	6.17
Cash tenants.....	1,372	38.4	2.0	2.8	2.8	232	616,901	7.96	3.22	10	0.2	0.3	0.9	0.6	4,574	4,484	10.55
All share tenants.....	13,476	43.1	20.1	22.0	22.8	227	4,638,439	7.42	3.28	191	0.4	6.6	9.4	9.4	2,991	32,507	5.03
Croppers.....	17,287	63.1	25.7	11.9	11.9	235	2,620,096	8.03	3.41	101	0.1	3.5	0.7	0.9	2,346	3,460	5.54
Other tenants.....	1,212	36.8	1.8	1.8	1.3	219	370,651	7.07	3.22	28	0.5	1.0	1.3	1.0	3,800	5,490	7.62
Area 1a.....	2,763	27.0	100.0	100.0	100.0	233	505,126	6.33	2.72	336	2.2	100.0	100.0	100.0	3,473	34,960	5.42
Owners, part owners, and managers..	2,582	27.0	93.4	93.5	92.9	234	471,375	6.37	2.72	316	2.2	94.0	91.9	94.0	3,413	32,365	5.34
Cash tenants.....	75	29.2	2.7	2.5	3.0	191	14,865	6.22	3.23	5	2.3	1.5	4.1	2.9	4,842	1,385	7.29
All share tenants.....	51	31.3	1.8	2.6	2.5	233	12,221	6.02	2.58	15	3.1	4.5	3.6	3.1	4,000	1,210	6.05
Croppers.....	10	20.9	0.4	0.2	0.2	184	1,075	5.81	3.16	...	...	...	...	...	...	...	...
Other tenants.....	45	20.6	1.6	1.3	1.4	226	5,590	5.13	2.27	...	...	...	...	...	...	...	...
Area 1b.....	4,308	14.4	100.0	100.0	100.0	262	548,702	6.52	2.48	521	0.9	100.0	100.0	100.0	3,346	39,095	7.23
Owners, part owners, and managers..	4,044	14.0	93.9	92.4	92.6	262	505,572	6.49	2.48	495	0.9	95.0	94.9	94.7	3,354	37,564	7.34
Cash tenants.....	17	4.7	0.4	0.2	0.3	199	975	4.41	2.22	...	...	...	...	...	...	...	...
All share tenants.....	116	22.5	2.7	2.2	2.6	224	12,100	5.54	2.47	10	0.5	1.9	1.0	0.8	4,000	180	4.00
Croppers.....	61	22.3	1.4	1.5	1.6	252	10,360	7.76	3.08	10	1.7	1.9	2.3	1.9	4,100	695	6.95
Other tenants.....	70	27.6	1.6	3.6	3.0	319	19,695	7.86	2.47	6	1.5	1.2	1.8	2.6	2,314	656	4.69
Area 2.....	3,010	22.4	100.0	100.0	100.0	247	691,418	7.01	2.84	260	1.3	100.0	100.0	100.0	2,725	27,004	4.88
Owners, part owners, and managers..	2,699	22.5	89.7	90.6	90.4	248	625,533	7.02	2.83	248	1.3	95.4	93.0	95.3	2,658	25,212	4.78
Cash tenants.....	60	17.2	2.0	1.3	1.1	293	9,115	8.25	2.81	...	...	...	...	...	...	...	...
All share tenants.....	185	25.0	6.1	6.9	7.0	243	46,720	6.80	2.80	1	0.1	0.4	(Z)	0.4	100	12	0.60
Croppers.....	30	14.0	1.0	0.4	0.4	230	3,235	7.44	3.24	5	1.9	1.9	0.3	1.1	667	150	2.50
Other tenants.....	36	13.8	1.2	0.8	1.0	203	6,215	6.71	3.31	6	2.5	2.3	6.8	3.3	5,667	1,630	9.06
Areas 3 and A.....	5,482	24.5	100.0	100.0	100.0	261	1,370,490	7.35	2.81	329	0.7	100.0	100.0	100.0	3,683	35,409	7.15
Owners, part owners, and managers..	4,126	23.3	75.3	78.1	76.9	265	1,080,408	7.53	2.84	319	0.8	97.0	98.5	97.9	3,707	34,619	7.14
Cash tenants.....	96	25.8	1.8	1.5	1.7	233	20,282	6.36	2.73	...	...	...	...	...	...	...	...
All share tenants.....	869	30.4	15.9	15.9	16.9	246	213,080	6.76	2.74	10	0.1	3.0	1.5	2.1	2,571	790	7.52
Croppers.....	290	36.1	5.3	3.1	3.0	269	38,235	6.82	2.54	...	...	...	...	...	...	...	...
Other tenants.....	101	21.7	1.8	1.4	1.5	241	18,485	6.60	2.73	...	...	...	...	...	...	...	...
Area 4.....	1,523	15.8	100.0	100.0	100.0	236	248,721	6.22	2.63	223	1.8	100.0	100.0	100.0	2,551	23,793	5.08
Owners, part owners, and managers..	1,452	16.2	95.3	96.7	96.9	236	241,601	6.24	2.65	218	1.9	97.8	98.5	98.7	2,545	23,528	5.07
Cash tenants.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
All share tenants.....	4	10.5	2.6	1.6	1.5	249	3,410	5.59	2.24	...	...	...	...	...	...	...	...
Croppers.....	16	20.4	1.1	1.4	1.2	262	3,415	6.89	2.63	...	...	...	...	...	...	...	...
Other tenants.....	15	5.4	1.9	0.4	0.4	234	295	2.03	0.87	5	2.2	2.2	1.5	1.3	3,000	365	6.08
Area 5.....	3,129	31.5	100.0	100.0	100.0	233	787,476	6.18	2.65	129	1.1	100.0	100.0	100.0	1,645	15,885	3.46
Owners, part owners, and managers..	2,164	28.7	69.2	70.9	71.5	231	559,300	6.14	2.66	112	1.4	86.8	93.4	96.3	1,595	14,645	3.31
Cash tenants.....	50	12.1	1.6	1.4	1.3	250	10,500	6.42	2.57	2	0.5	1.6	2.9	1.5	3,143	720	10.29
All share tenants.....	420	43.7	13.4	17.3	17.8	227	138,716	6.11	2.69	10	0.1	7.8	1.6	1.3	2,000	320	5.33
Croppers.....	43	63.9	13.7	9.1	8.1	254	69,135	6.66	2.57	...	...	...	...	...	...	...	...
Other tenants.....	6	31.2	2.1	1.4	1.3	251	9,825	6.06	2.42	5	0.8	3.9	2.1	0.9	4,000	200	5.00
Area 6.....	4,461	38.8	100.0	100.0	100.0	272	1,174,387	7.75	2.85	150	1.3	100.0	100.0	100.0	2,495	30,719	6.14
Owners, part owners, and managers..	2,663	33.3	59.7	66.2	66.2	272	747,123	7.45	2.74	144	1.6	96.0	93.6	95.5	2,445	29,089	6.09
Cash tenants.....	91	29.4	2.0	1.8	1.4	348	19,429	8.89	2.56	...	...	...	...	...	...	...	...
All share tenants.....	972	55.9	21.8	21.8	22.9	259	277,130	8.00	3.09	6	0.4	4.0	6.4	4.5	3,556	1,630	7.24
Croppers.....	650	77.5	14.6	9.4	8.7	295	120,570	9.17	3.10	...	...	...	...	...	...	...	...
Other tenants.....	85	41.2	1.9	0.7	0.8	219	10,135	7.98	3.65	...	...	...	...	...	...	...	...

USE OF FERTILIZER AND LIME

Table 5.—USE AND EXPENDITURES FOR FERTILIZER AND LIME OF COMMERCIAL FARMS BY TENURE OF FARM OPERATOR, BY ECONOMIC AREAS: CENSUS OF 1954—Continued

State, economic area, and tenure of operator	Fertilizer									Lime								
	Farms reporting use of fertilizer	Acres fertilized as a percent of total cropland plus improved pasture	Percent distribution of—			Quantity used per acre fertilized (lb.)	Expenditures (dollars)			Farms reporting use of lime	Acres limed as a percent of total cropland plus improved pasture	Percent distribution of—			Quantity used per acre limed (lb.)	Expenditures (dollars)		
			Farms reporting fertilizer	Fertilizer used	Acres fertilized		For fertilizer	Per acre fertilized	Per cent. of fertilizer used			Farms reporting lime	Lime used	Acres limed		For lime	Per acre limed	
Arkansas—Continued																		
Area 7a.....	15,978	36.8	100.0	100.0	100.0	229	5,048,084	7.44	3.25	564	0.9	100.0	100.0	100.0	3,089	86,982	5.53	
Owners, part owners, and managers..	6,258	33.0	39.2	49.8	49.9	229	2,549,131	7.53	3.29	401	1.1	71.1	70.2	72.8	2,977	64,768	5.66	
Cash tenants.....	191	44.2	1.2	1.3	1.4	211	74,360	7.97	3.77	...	...	...	...	...	...	...	...
All share tenants.....	5,304	37.7	33.2	35.0	34.2	234	1,739,373	7.50	3.20	111	0.7	19.7	28.4	25.9	3,390	21,075	5.18	
Croppers.....	3,858	58.5	24.1	11.7	12.5	215	577,960	6.82	3.18	51	0.1	9.0	0.9	0.7	4,152	900	8.57	
Other tenants.....	367	41.0	2.3	2.2	2.1	245	107,260	7.54	3.07	1	0.3	0.2	0.5	0.6	2,520	239	2.39	
Area 7b.....	3,761	44.5	100.0	100.0	100.0	207	2,476,583	7.54	3.65	94	0.5	100.0	100.0	100.0	3,734	38,149	10.44	
Owners, part owners, and managers..	1,988	39.1	52.9	57.0	56.6	208	1,371,685	7.38	3.54	93	0.8	98.9	98.5	98.6	3,731	37,549	10.42	
Cash tenants.....	26	50.6	0.7	2.7	1.7	327	54,125	9.77	2.99	...	...	...	...	...	...	...	...
All share tenants.....	807	52.9	21.5	28.2	30.9	188	689,072	6.78	3.60	1	(2)	1.1	1.5	1.4	3,961	600	11.76	
Croppers.....	877	63.3	23.3	10.9	9.5	236	329,925	10.52	4.46	...	...	...	...	...	...	...	...
Other tenants.....	63	41.7	1.7	1.2	1.2	207	31,776	7.80	3.77	...	...	...	...	...	...	...	...
Area 8a.....	15,735	49.1	100.0	100.0	100.0	227	5,464,911	8.12	3.57	156	0.5	100.0	100.0	100.0	3,245	59,866	8.28	
Owners, part owners, and managers..	3,564	46.1	22.7	54.8	52.7	237	3,031,769	8.55	3.61	128	0.9	82.1	94.3	92.1	3,321	55,358	8.31	
Cash tenants.....	643	44.5	4.1	6.1	6.6	209	331,379	7.45	3.56	2	(2)	1.3	0.7	0.5	4,571	443	12.66	
All share tenants.....	3,125	47.9	19.9	17.1	18.6	209	908,102	7.25	3.47	6	0.2	3.8	4.3	5.5	2,500	3,400	8.50	
Croppers.....	8,138	66.3	51.7	19.6	19.5	228	1,062,131	8.07	3.53	20	0.1	12.8	0.8	1.9	1,333	665	4.93	
Other tenants.....	265	41.3	1.7	2.4	2.6	208	131,530	7.51	3.61	...	...	...	...	...	...	...	...
Area 8b.....	7,024	47.7	100.0	100.0	100.0	249	2,474,530	8.33	3.35	116	0.9	100.0	100.0	100.0	2,501	27,553	4.97	
Owners, part owners, and managers..	2,287	40.4	32.6	55.6	57.4	241	1,360,844	7.98	3.31	74	0.9	63.8	71.0	66.7	2,663	18,877	5.11	
Cash tenants.....	123	52.8	1.8	3.0	2.5	293	81,871	10.93	3.72	1	0.9	0.9	4.6	2.3	4,954	1,936	14.89	
All share tenants.....	1,587	57.6	22.6	23.4	22.1	263	598,515	9.12	3.47	21	1.1	18.1	15.7	23.3	1,682	3,290	2.55	
Croppers.....	2,927	75.0	41.7	16.9	15.9	264	404,055	8.57	3.24	15	0.4	12.9	2.9	4.1	1,778	1,050	4.67	
Other tenants.....	100	63.0	1.4	1.2	2.1	142	29,245	4.72	3.32	5	2.0	4.3	5.8	3.6	4,000	2,400	12.00	
California, total.....	40,956	28.5	100.0	100.0	100.0	421	62,364,157	16.29	3.87	1,770	0.5	100.0	100.0	100.0	3,842	796,647	11.45	
Owners, part owners, and managers..	35,865	28.2	87.6	83.2	84.6	414	51,574,217	15.93	3.85	1,569	0.5	88.6	90.8	87.2	3,999	735,986	12.13	
Cash tenants.....	1,809	27.7	4.4	6.6	4.4	639	4,463,244	26.68	4.17	57	0.3	3.2	2.4	2.5	3,729	13,363	7.64	
All share tenants.....	2,770	32.6	6.8	8.9	10.0	374	5,563,857	14.50	3.88	113	0.5	6.4	5.8	9.2	2,428	38,783	6.06	
Other tenants.....	512	26.4	1.3	1.3	1.0	516	762,839	19.06	3.69	31	0.5	1.8	1.0	1.1	3,446	8,515	11.51	
Area 1.....	780	10.0	100.0	100.0	100.0	370	294,715	11.46	3.10	93	0.6	100.0	100.0	100.0	2,061	23,629	14.99	
Owners, part owners, and managers..	650	10.1	83.3	84.6	84.0	372	260,732	12.07	3.24	71	0.4	76.3	65.5	61.3	2,203	15,962	16.52	
Cash tenants.....	27	8.0	3.5	2.3	3.6	235	6,448	6.90	2.93	1	0.1	1.1	0.6	0.6	2,000	100	10.00	
All share tenants.....	62	8.5	7.9	8.5	6.8	464	17,745	10.14	2.19	16	2.6	17.2	30.8	33.3	1,905	6,667	12.70	
Other tenants.....	41	15.8	5.3	4.5	5.6	302	9,790	6.85	2.27	5	0.8	5.4	3.1	4.8	1,333	900	12.00	
Area 2.....	1,000	11.6	100.0	100.0	100.0	332	374,135	10.84	3.26	38	0.3	100.0	100.0	100.0	1,995	9,279	10.48	
Owners, part owners, and managers..	932	12.7	93.2	92.7	92.6	332	342,931	10.73	3.23	38	0.4	100.0	100.0	100.0	1,995	9,279	10.48	
Cash tenants.....	30	4.3	3.0	4.2	4.3	327	16,865	11.33	3.47	...	...	...	...	...	...	...	...
All share tenants.....	36	12.9	3.6	2.5	1.9	444	11,925	18.63	4.20	...	...	...	...	...	...	...	...
Other tenants.....	2	5.7	0.2	0.6	1.2	167	2,414	5.61	3.35	...	...	...	...	...	...	...	...
Areas A and B.....	3,467	17.9	100.0	100.0	100.0	622	3,770,935	24.88	4.00	109	0.8	100.0	100.0	100.0	3,067	51,108	7.33	
Owners, part owners, and managers..	2,974	18.4	85.8	83.9	82.7	631	3,117,001	24.88	3.94	99	1.0	90.8	99.7	99.0	3,088	50,468	7.31	
Cash tenants.....	201	15.1	5.8	8.1	6.1	826	337,920	36.46	4.42	10	0.1	9.2	0.3	1.0	1,000	640	9.14	
All share tenants.....	275	17.7	7.9	7.7	10.9	441	307,489	18.68	4.24	...	...	...	...	...	...	...	...
Other tenants.....	17	6.6	0.5	0.3	0.3	535	8,525	15.01	2.80	...	...	...	...	...	...	...	...
Area 3.....	1,583	17.3	100.0	100.0	100.0	950	6,105,069	33.26	3.50	64	0.2	100.0	100.0	100.0	2,391	18,637	7.78	
Owners, part owners, and managers..	1,137	15.6	71.8	68.9	70.0	935	4,139,579	32.19	3.44	46	0.3	71.9	70.0	90.8	1,842	14,797	6.80	
Cash tenants.....	199	33.1	12.6	19.6	16.0	1,164	1,283,890	43.62	3.75	12	0.1	18.8	14.3	4.0	8,632	1,240	13.05	
All share tenants.....	222	16.4	14.0	10.8	12.7	808	635,700	27.34	3.38	5	(2)	7.8	5.2	1.0	12,000	500	20.00	
Other tenants.....	25	25.8	1.6	0.7	1.3	501	45,900	19.90	3.97	1	1.1	1.6	10.5	4.2	6,000	2,100	21.00	
Areas 4 and C.....	4,493	30.2	100.0	100.0	100.0	258	6,697,103	9.50	3.69	135	0.3	100.0	100.0	100.0	4,261	62,027	10.04	
Owners, part owners, and managers..	3,904	29.6	86.9	85.4	84.3	261	5,585,595	9.40	3.60	124	0.3	91.9	94.4	94.3	4,268	59,552	10.23	
Cash tenants.....	114	16.0	2.5	1.2	1.0	276	87,758	11.57	4.19	5	0.3	3.7	0.3	2.0	560	420	3.36	
All share tenants.....	425	38.9	9.5	13.1	14.2	238	995,474	9.93	4.18	6	0.1	4.4	5.3	3.7	6,096	2,055	8.93	
Other tenants.....	50	12.5	1.1	0.4	0.4	237	28,276	10.15	4.28	...	...	...	...	...	...	...	...
Areas 5 and D.....	5,333	24.2	100.0	100.0	100.0	385	5,066,137	13.24	3.44	359	1.0	100.0	100.0	100.0	3,668	161,660	9.76	
Owners, part owners, and managers..	4,548	24.4	85.3	77.6	79.8	374	3,879,293	12.71	3.40	308	0.9	85.8	77.0	67.7	4,176	133,397	11.90	
Cash tenants.....	292	19.2	5.5	6.0	6.5	359	290,597	11.73	3.27	8	0.5	2.2	5.1	3.5	5,355	5,585	9.63	
All share tenants.....	399	28.0	7.5	13.6	12.5	421	751,666	15.77	3.75	28	2.6	7.8	15.9	26.5	2,204	18,738	4.26	
Other tenants.....	94	15.0	1.8	2.8	1.3	871	144,581	30.16	3.46	15	1.2	4.2	1.9	2.3	3,079	3,940	10.37	
Areas 6 and E.....	10,391	36.2	100.0	100.0	100.0	365	19,765,103	14.35	3.93	701	0.8	100.0	100.0	100.0	4,508	393,255	13.17	
Owners, part owners, and managers..	9,025	35.8	86.9	88.1	87.8	366	17,503,080	14.48	3.96	642	0.8	91.6	95.6	93.3	4,621	377,292	13.54	
Cash tenants.....	305	28.6	2.9	2.4	2.0	438	458,109	16.90	3.86	13	0.8	1.9	1.7	2.4	3,164	4,825	6.64	
All share tenants.....	947	43.0	9.1	8.6	9.2	342	1,650,523	13.02	3.80	36	0.4	5.1	2.1	3.7	2,639	9,563	8.75	
Other tenants.....	114	40.9	1.1	0.9	1.0	331	153,391	10.78	3.26	10	0.5	1.4	0.5	0.6	3,676	1,575	8.51	

Table 5.—USE AND EXPENDITURES FOR FERTILIZER AND LIME OF COMMERCIAL FARMS BY TENURE OF FARM OPERATOR.
BY ECONOMIC AREAS: CENSUS OF 1954—Continued

State, economic area, and tenure of operator	Farms reporting use of fertilizer	Fertilizer							Lime									
		Acres fertilized as a percent of total cropland plus improved pasture	Percent distribution of—			Quantity used per acre fertilized (lb.)	Expenditures (dollars)			Farms reporting use of lime	Acres limed as a percent of total cropland plus improved pasture	Percent distribution of—		Quantity used per acre limed (lb.)	Expenditures (dollars)			
			Farms reporting use of fertilizer	Fertilizer used	Acres fertilized		Per fertilizer	Per acre fertilized	Per cent. of fertilizer used			Farms reporting use of lime	Lime used		Acres limed	Per lime	Per acre limed	
California—Continued																		
Areas 7, F, G, and H.....	9,580	26.4	100.0	100.0	100.0	665	9,037,759	26.70	4.01	197	0.2	100.0	100.0	100.0	2,264	41,250	14.83	
Owners, part owners, and managers..	8,775	26.7	91.6	85.4	37.9	646	7,748,977	26.03	4.03	168	0.2	85.3	95.4	91.8	2,353	39,787	15.58	
Cash tenants.....	474	36.0	5.0	8.2	6.1	900	750,751	36.62	4.07	8	0.3	4.1	2.2	5.1	999	553	3.87	
All share tenants.....	212	17.6	2.2	5.0	5.2	634	417,356	23.52	3.71	21	0.1	10.7	2.4	3.1	1,765	910	10.71	
Other tenants.....	114	35.6	1.2	1.4	0.8	1,137	120,675	45.66	3.81	...	...	...	...	...	...	...	...
Area 8.....	2,770	61.3	100.0	100.0	100.0	458	10,434,401	19.72	4.30	32	0.1	100.0	100.0	100.0	2,220	11,417	10.30	
Owners, part owners, and managers..	2,441	58.3	88.1	81.2	81.3	458	8,230,433	19.14	4.18	31	0.1	96.9	95.9	96.4	2,210	11,067	10.36	
Cash tenants.....	137	93.4	4.9	9.4	8.5	507	1,219,569	27.21	5.37	...	...	...	...	...	...	...	...
All share tenants.....	153	69.0	5.5	7.0	8.3	385	737,657	16.81	4.36	1	0.1	3.1	4.1	3.6	2,500	350	8.75	
Other tenants.....	39	75.8	1.4	2.4	2.0	566	246,742	23.58	4.16	...	...	...	...	...	...	...	...
Area 9.....	1,559	9.3	100.0	100.0	100.0	233	818,800	8.08	3.46	42	0.1	100.0	100.0	100.0	3,777	24,385	19.54	
Owners, part owners, and managers..	1,474	9.2	94.9	93.6	93.2	234	766,596	8.12	3.46	42	0.1	100.0	100.0	100.0	3,777	24,385	19.54	
Cash tenants.....	25	4.5	1.6	1.3	1.4	225	11,337	8.28	3.68	...	...	...	...	...	...	...	...
All share tenants.....	39	18.7	2.5	4.0	5.1	184	38,322	7.38	4.02	...	...	...	...	...	...	...	...
Other tenants.....	16	5.3	1.0	0.3	0.4	165	2,545	6.79	4.10	...	...	...	...	...	...	...	...
Colorado, total.....	8,981	3.8	100.0	100.0	100.0	216	3,869,000	9.32	4.31	66	(2)	100.0	100.0	100.0	1,596	5,655	5.68	
Owners, part owners, and managers..	5,695	3.0	63.4	60.8	61.7	213	2,316,817	9.05	4.24	61	(2)	92.4	99.4	95.0	1,670	5,610	5.94	
Cash tenants.....	191	5.4	2.1	1.6	1.2	278	58,317	11.24	4.74	...	...	...	...	...	...	...	...
All share tenants.....	2,994	6.9	33.3	35.9	35.6	218	1,436,415	9.71	4.45	...	...	...	...	...	...	...	...
Other tenants.....	101	5.5	1.1	1.7	1.5	250	57,451	9.52	3.80	5	(2)	7.6	0.6	5.0	200	45	0.90	
Area 1.....	301	1.3	100.0	100.0	100.0	169	77,745	7.14	4.21	...	...	...	...	...	...	...	...
Owners, part owners, and managers..	267	1.3	88.7	89.8	90.0	169	69,084	7.05	4.17	...	...	...	...	...	...	...	...
Cash tenants.....	12	1.2	4.0	1.6	2.6	105	1,341	4.71	4.47	...	...	...	...	...	...	...	...
All share tenants.....	22	1.5	7.3	8.6	7.4	196	7,320	9.08	4.63	...	...	...	...	...	...	...	...
Other tenants.....
Area 2a.....	1,975	9.2	100.0	100.0	100.0	240	587,550	9.99	4.16	...	...	...	...	...	...	...	...
Owners, part owners, and managers..	1,705	8.6	86.3	86.5	85.6	243	508,488	10.10	4.16	...	...	...	...	...	...	...	...
Cash tenants.....	60	22.8	3.0	3.4	2.5	323	19,740	13.29	4.11	...	...	...	...	...	...	...	...
All share tenants.....	194	13.5	9.8	8.5	10.2	199	51,005	8.52	4.27	...	...	...	...	...	...	...	...
Other tenants.....	16	18.7	0.8	1.6	1.7	234	8,317	8.48	3.62	...	...	...	...	...	...	...	...
Area 2b.....	528	6.5	100.0	100.0	100.0	276	410,307	11.27	4.08	21	(2)	100.0	100.0	100.0	1,766	4,385	6.75	
Owners, part owners, and managers..	441	6.1	83.5	82.5	82.7	276	339,070	11.26	4.09	21	(2)	100.0	100.0	100.0	1,766	4,385	6.75	
Cash tenants.....	5	5.7	0.9	0.8	1.1	200	2,800	7.00	3.50	...	...	...	...	...	...	...	...
All share tenants.....	65	9.1	12.3	13.6	11.8	320	53,665	12.51	3.91	...	...	...	...	...	...	...	...
Other tenants.....	17	11.7	3.2	3.1	4.4	196	14,772	9.26	4.73	...	...	...	...	...	...	...	...
Area 3.....	4,199	9.6	100.0	100.0	100.0	209	2,065,111	9.32	4.47	5	(2)	100.0	100.0	100.0	4,000	50	10.00	
Owners, part owners, and managers..	1,827	6.3	48.5	42.2	45.5	194	866,663	8.61	4.44	5	(2)	100.0	100.0	100.0	4,000	50	10.00	
Cash tenants.....	41	7.8	1.0	0.9	0.7	286	16,305	10.83	3.79	...	...	...	...	...	...	...	...
All share tenants.....	2,290	17.2	54.5	54.9	52.7	217	1,150,078	9.84	4.53	...	...	...	...	...	...	...	...
Other tenants.....	41	11.2	1.0	2.0	1.1	359	22,065	12.77	3.59	...	...	...	...	...	...	...	...
Areas 4 and A.....	1,108	1.1	100.0	100.0	100.0	159	341,408	6.44	4.05	40	(2)	100.0	100.0	100.0	1,235	1,320	3.59	
Owners, part owners, and managers..	904	1.1	81.6	82.0	77.7	168	273,595	6.64	3.96	35	(2)	87.5	97.6	85.3	1,414	1,175	4.05	
Cash tenants.....	56	5.8	5.1	4.2	2.3	288	15,780	12.83	4.46	...	...	...	...	...	...	...	...
All share tenants.....	121	1.0	10.9	13.0	18.2	113	49,736	5.14	4.55	...	...	...	...	...	...	...	...
Other tenants.....	27	1.9	2.4	0.8	1.8	69	2,297	2.42	3.48	5	(2)	12.5	2.4	14.7	200	45	0.90	
Area 5.....	870	2.0	100.0	100.0	100.0	265	386,879	11.19	4.22	...	...	...	...	...	...	...	...
Owners, part owners, and managers..	551	1.9	63.3	65.7	69.2	252	259,917	10.86	4.31	...	...	...	...	...	...	...	...
Cash tenants.....	17	1.5	2.0	0.7	0.8	239	2,351	8.25	3.46	...	...	...	...	...	...	...	...
All share tenants.....	302	2.5	34.7	33.5	29.9	297	124,611	12.04	4.05	...	...	...	...	...	...	...	...
Other tenants.....
Connecticut, total.....	4,545	35.7	100.0	100.0	100.0	897	4,169,205	28.92	3.22	2,406	8.9	100.0	100.0	100.0	2,168	302,613	8.42	
Owners, part owners, and managers..	4,310	35.6	94.8	92.9	95.2	875	3,846,645	28.02	3.20	2,301	8.9	95.6	96.3	95.7	2,181	290,998	8.47	
Cash tenants.....	150	30.0	3.3	3.7	2.0	1,616	182,360	61.82	3.82	55	7.7	2.3	1.4	2.1	1,447	4,885	6.43	
All share tenants.....	25	52.2	0.6	2.5	1.3	1,764	102,425	56.12	3.18	20	12.7	0.8	0.8	1.2	1,438	2,655	5.97	
Other tenants.....	60	46.9	1.3	0.9	1.5	573	37,775	18.03	3.15	30	7.6	1.2	1.5	0.9	3,471	4,075	11.99	
Area 1 and A.....	1,010	32.7	100.0	100.0	100.0	437	444,356	11.86	2.71	590	7.3	100.0	100.0	100.0	2,388	14,575	7.73	
Owners, part owners, and managers..	940	32.6	93.1	94.4	93.8	440	420,756	11.97	2.72	560	7.2	94.9	95.0	92.6	2,448	10,670	7.84	
Cash tenants.....	45	24.2	4.5	2.3	2.6	384	10,325	10.54	2.75	10	5.1	1.7	1.0	2.5	976	740	3.61	
All share tenants.....	10	57.7	1.0	2.3	2.5	413	9,225	10.03	2.43	10	20.4	1.7	2.5	3.9	1,508	1,740	5.35	
Other tenants.....	15	39.3	1.5	1.0	1.1	376	4,050	9.76	2.60	10	8.1	1.7	1.6	1.0	3,647	1,425	16.76	

Z Less than 0.05.

USE OF FERTILIZER AND LIME

Table 5.—USE AND EXPENDITURES FOR FERTILIZER AND LIME OF COMMERCIAL FARMS BY TENURE OF FARM OPERATOR, BY ECONOMIC AREAS: CENSUS OF 1954—Continued

State, economic area, and tenure of operator	Farms reporting use of fertilizer	Fertilizer							Lime								
		Acres fertilized as a percent of total cropland plus improved pasture	Percent distribution of—			Quantity used per acre fertilized (lb.)	Expenditures (dollars)			Acres limed as a percent of total cropland plus improved pasture	Percent distribution of—			Expenditures (dollars)			
			Farms reporting fertilizer	Fertilizer used	Acres fertilized		For fertilizer	Per acre fertilized	Per cent. of fertilizer used		Farms reporting lime	Lime used	Acres limed	For lime	Per acre limed		
Connecticut—Continued																	
Areas B and C.....	2,023	46.9	100.0	100.0	100.0	1,339	2,962,216	46.39	3.46	981	12.0	100.0	100.0	1,783	120,555	7.39	
Owners, part owners, and managers..	1,918	46.7	94.8	92.5	95.4	1,299	2,731,781	44.83	3.45	926	11.9	94.4	94.2	1,765	113,760	7.33	
Cash tenants.....	65	36.1	3.2	3.2	1.6	2,738	109,680	110.23	4.03	30	15.8	3.1	2.3	1,563	3,280	7.54	
All share tenants.....	15	81.5	0.7	3.3	1.4	3,138	93,200	102.98	3.28	10	10.8	1.0	0.5	1,250	915	7.63	
Other tenants.....	25	59.0	1.2	1.0	1.6	808	27,555	27.15	3.36	15	13.4	1.5	2.9	3,696	2,600	11.30	
Area 2.....	1,512	28.0	100.0	100.0	100.0	641	762,633	17.80	2.78	835	7.4	100.0	100.0	2,563	117,483	10.43	
Owners, part owners, and managers..	1,452	28.0	96.0	93.1	96.2	620	694,108	16.84	2.72	815	7.5	97.6	99.2	2,575	116,568	10.49	
Cash tenants.....	40	32.2	2.6	6.1	2.3	1,711	62,355	63.95	3.74	15	4.0	1.8	0.8	1,833	865	7.21	
All share tenants.....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Other tenants.....	20	39.3	1.3	0.8	1.6	337	6,170	9.28	2.75	5	1.5	0.6	0.1	800	50	2.00	
Delaware, total (Areas 1 and A)	4,063	62.0	100.0	100.0	100.0	479	3,788,406	12.45	2.60	1,345	9.6	100.0	100.0	1,605	298,547	6.36	
Owners, part owners, and managers..	3,462	62.8	85.2	86.4	83.7	494	3,287,241	12.90	2.61	1,158	10.5	86.1	89.8	1,587	268,957	6.31	
Cash tenants.....	85	67.7	2.1	2.8	1.6	834	93,355	19.01	2.28	30	4.1	2.2	0.9	2,300	2,330	7.77	
All share tenants.....	260	55.4	8.9	7.5	10.7	333	277,815	8.50	2.55	97	4.1	7.2	5.6	51	1,763	19,100	
Croppers.....	25	69.9	0.6	0.5	0.8	295	20,060	8.01	2.71	5	2.4	0.4	0.2	2,000	680	8.00	
Other tenants.....	131	61.3	3.2	2.9	3.1	445	109,935	11.76	2.64	55	10.1	4.1	3.5	1,700	7,480	4.87	
Florida, total.....	28,429	53.9	100.0	100.0	100.0	938	49,549,535	23.09	2.46	6,095	10.8	100.0	100.0	1,598	2,717,065	6.32	
Owners, part owners, and managers..	26,089	53.6	91.8	94.6	94.6	938	46,980,942	23.14	2.47	5,851	11.0	96.0	96.6	1,597	2,620,929	6.31	
Cash tenants.....	775	68.6	2.7	2.7	2.1	1,210	1,340,450	29.48	2.44	73	10.5	1.2	1.6	1,608	46,954	6.75	
All share tenants.....	559	72.4	2.0	1.2	1.5	727	507,604	15.92	2.19	73	7.8	1.2	0.9	1,734	21,922	6.36	
Croppers.....	543	51.5	1.9	0.6	1.0	569	265,645	12.14	3.37	47	4.7	0.6	0.3	871	9,413	4.72	
Other tenants.....	463	47.7	1.6	0.9	0.8	1,120	454,894	26.73	2.39	61	5.7	1.0	0.6	2,179	17,847	8.86	
Area 1.....	2,238	75.1	100.0	100.0	100.0	470	1,555,010	9.20	1.96	402	4.9	100.0	100.0	1,686	69,034	6.30	
Owners, part owners, and managers..	1,986	74.1	88.7	90.7	91.1	468	1,419,321	9.22	1.97	376	5.1	93.5	96.5	1,686	66,072	6.25	
Cash tenants.....	80	76.8	3.6	2.5	2.3	504	37,895	9.64	1.91	10	2.9	2.5	1.6	1,400	1,150	7.67	
All share tenants.....	117	93.6	5.2	5.3	5.0	494	76,874	9.02	1.83	11	2.4	2.7	1.7	2,000	1,712	7.78	
Croppers.....	30	81.1	1.3	1.0	1.0	465	11,975	7.24	1.56	5	1.0	1.2	0.2	2,000	100	5.00	
Other tenants.....	25	92.1	1.1	0.6	0.6	465	8,945	9.04	1.94	....	....	....	....	....	....	....
Areas 2 and A.....	1,342	39.3	100.0	100.0	100.0	945	2,099,462	21.71	2.30	316	9.6	100.0	100.0	1,754	144,554	6.11	
Owners, part owners, and managers..	1,306	39.6	97.3	93.2	98.6	951	2,083,787	21.87	2.30	303	9.6	95.9	97.3	1,748	138,494	6.00	
Cash tenants.....	8	64.0	0.6	0.2	0.5	427	5,550	10.57	2.48	1	6.1	0.3	0.2	2,000	400	8.00	
All share tenants.....	10	17.4	0.7	0.2	0.1	1,825	3,475	43.44	2.38	....	....	....	....	....	....	....
Croppers.....	10	40.9	0.7	0.1	0.5	178	1,600	3.56	2.00	10	36.4	3.2	1.9	1,7	2,000	4,800	
Other tenants.....	8	11.7	0.6	0.3	0.3	740	5,050	14.94	2.02	2	4.0	0.6	0.6	2,087	860	12.00	
Area 3.....	8,534	43.4	100.0	100.0	100.0	454	5,655,994	10.87	2.39	688	2.6	100.0	100.0	1,341	133,261	4.35	
Owners, part owners, and managers..	7,109	42.4	83.3	90.4	89.1	461	5,196,910	11.22	2.43	644	2.7	93.6	98.1	1,342	130,679	4.35	
Cash tenants.....	412	55.5	4.8	2.7	3.4	355	123,665	6.95	1.96	7	0.4	1.0	0.5	1,833	592	4.93	
All share tenants.....	321	62.1	3.8	2.2	2.8	353	98,330	6.73	1.91	17	0.5	2.5	0.6	2,114	955	7.76	
Croppers.....	459	49.3	5.4	3.5	3.3	482	178,430	10.33	2.15	15	0.7	2.2	0.7	1,080	935	3.74	
Other tenants.....	233	47.7	2.7	1.2	1.4	403	58,659	8.14	2.02	5	0.7	0.7	(2)	190	100	0.95	
Area 4.....	1,873	63.5	100.0	100.0	100.0	984	4,160,542	24.52	2.49	483	15.4	100.0	100.0	1,415	243,455	5.93	
Owners, part owners, and managers..	1,872	63.5	99.9	99.3	99.8	979	4,129,132	24.38	2.49	482	15.3	99.8	98.9	1,410	240,155	5.89	
Cash tenants.....	1	78.6	0.1	0.7	0.2	3,333	31,350	95.00	2.85	1	78.6	0.2	1.1	0.8	2,000	3,300	10.00
All share tenants.....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Croppers.....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Other tenants.....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Areas 5 and B.....	11,937	58.7	100.0	100.0	100.0	1,306	24,971,541	32.24	2.47	3,678	19.4	100.0	100.0	1,659	1,699,036	6.64	
Owners, part owners, and managers..	11,624	58.6	97.4	98.7	98.8	1,305	24,666,760	32.24	2.47	3,593	19.4	97.7	99.2	1,662	1,685,214	6.65	
Cash tenants.....	117	75.4	1.0	0.3	0.3	1,400	75,776	34.06	2.43	22	12.2	0.6	0.1	1,528	2,580	7.17	
All share tenants.....	49	45.7	0.4	0.2	0.2	1,674	49,100	39.37	2.35	21	13.2	0.6	0.1	1,250	2,995	8.32	
Croppers.....	37	46.6	0.3	0.2	0.2	1,139	33,140	21.70	1.90	6	23.0	0.2	0.1	0.3	543	2,355	
Other tenants.....	110	85.5	0.9	0.6	0.6	1,365	146,765	33.74	2.47	36	18.5	1.0	0.4	1,960	5,892	6.27	
Areas 6 and C.....	2,505	57.6	100.0	100.0	100.0	1,028	11,106,986	26.68	2.60	528	9.4	100.0	100.0	1,525	427,725	6.31	
Owners, part owners, and managers..	2,192	56.6	87.5	84.8	92.0	948	9,484,972	24.76	2.61	453	8.5	85.8	83.7	1,501	360,315	6.25	
Cash tenants.....	157	82.8	6.3	9.9	5.0	2,045	1,066,214	51.57	2.52	32	23.8	6.1	9.0	1,573	38,932	6.55	
All share tenants.....	62	89.9	2.5	2.7	1.8	1,559	279,825	37.70	2.42	24	33.2	4.5	4.8	4.0	1,807	16,260	5.93
Croppers.....	7	100.0	0.3	0.4	0.2	1,590	40,500	41.54	2.61	1	58.5	0.2	0.2	0.8	382	1,223	
Other tenants.....	87	36.4	3.5	2.2	1.0	2,299	235,475	57.02	2.48	18	7.5	3.4	2.2	1.3	2,676	10,995	12.86
Georgia, total.....	94,536	68.5	100.0	100.0	100.0	402	50,202,328	8.87	2.21	11,750	4.0	100.0	100.0	1,512	1,473,367	4.51	
Owners, part owners, and managers..	53,140	64.4	56.2	68.9	68.7	403	34,924,991	8.97	2.23	9,829	4.7	83.7	88.6	1,541	1,276,021	4.90	
Cash tenants.....	5,408	71.1	5.7	4.5	5.0	363	2,227,498	7.87	2.17	228	1.8	1.9	2.5	2,782	47,147	6.69	
All share tenants.....	10,471	78.4	11.1	8.8	8.7	404	4,308,145	8.70	2.15	591	2.1	5.0	3.0	4.0	1,158	52,118	4.07
Croppers.....	22,297	87.1	23.6	15.6	15.2	414	7,666,146	8.93	2.16	853	1.4	7.3	3.7	4.3	1,298	64,821	4.51
Other tenants.....	3,220	65.9	3.4	2.2	2.4	369	1,075,548	8.06	2.18	249	4.2	2.1	2.1	2.6	1,227	33,260	3.95
Area 1 and A.....	5,065	51.8	100.0	100.0	100.0	393	1,623,497	8.09	2.06	909	5.0	100.0	100.0	2,425	99,540	5.14	
Owners, part owners, and managers..	3,055	46.5	60.3	65.5	66.9	385	1,071,587	7.93	2.07	817	6.0	89.9	91.0	2,463	90,440	5.21	
Cash tenants.....	55	74.3	1.1	2.9	2.6	441	39,605	7.52	1.70	10	12.4	1.1	4.0	4.5	2,171	3,125	
All share tenants.....	790	61.3	15.6	14													

USE OF FERTILIZER AND LIME

Table 5.—USE AND EXPENDITURES FOR FERTILIZER AND LIME OF COMMERCIAL FARMS BY TENURE OF FARM OPERATOR, BY ECONOMIC AREAS: CENSUS OF 1954—Continued

State, economic area, and tenure of operator	Fertilizer									Lime							
	Farms reporting use of fertilizer	Acres fertilized as a percent of total cropland plus improved pasture	Percent distribution of—			Quantity used per acre-fertilized (lb.)	Expenditures (dollars)			Farms reporting use of lime	Acres limed as a percent of total cropland plus improved pasture	Percent distribution of—			Quantity used per acre limed (lb.)	Expenditures (dollars)	
			Farms reporting fertilizer	Fertilizer used	Acres fertilized		For fertilizer	Per acre fertilized	Per cent. of fertilizer used			Farms reporting lime	Lime used	Acres limed		For lime	Per acre limed
Georgia—Continued																	
Area 2.....	2,971	50.9	100.0	100.0	100.0	388	447,428	8.74	2.25	619	8.1	100.0	100.0	100.0	2,183	40,705	4.98
Owners, part owners, and managers..	2,609	50.7	87.8	88.8	88.6	389	399,138	8.79	2.26	589	8.7	95.2	96.0	95.7	2,191	39,075	5.00
Cash tenants.....	30	52.5	1.0	0.8	1.0	315	3,515	6.76	2.14	...	...	...	...	...	...	...	...
All share tenants.....	171	61.7	5.8	5.7	5.8	381	23,455	7.90	2.08	15	3.4	2.4	1.7	2.0	1,818	575	3.48
Croppers.....	90	61.5	3.0	2.3	2.3	376	9,850	8.28	2.20	...	...	...	...	...	...	...	...
Other tenants.....	71	33.8	2.4	2.4	2.3	419	11,470	9.93	2.37	15	5.6	2.4	2.3	2.3	2,158	1,055	5.55
Areas 3 and B.....	10,593	54.2	100.0	100.0	100.0	401	2,765,704	8.76	2.19	1,174	5.1	100.0	100.0	100.0	1,403	126,637	4.28
Owners, part owners, and managers..	7,169	49.8	67.6	68.9	69.8	396	1,922,014	8.73	2.21	1,073	6.4	91.4	96.3	94.9	1,423	121,662	4.33
Cash tenants.....	250	53.1	2.4	2.0	2.0	395	55,475	8.75	2.22	5	0.1	0.4	(2)	(2)	2,000	50	5.00
All share tenants.....	1,103	64.9	10.4	9.9	10.3	385	286,600	8.83	2.29	50	1.2	4.3	1.3	2.0	940	1,635	2.79
Croppers.....	1,840	79.2	17.4	17.1	15.8	434	446,105	8.93	2.06	30	0.2	2.6	0.7	0.4	2,077	1,495	11.50
Other tenants.....	236	44.0	2.2	2.1	2.1	398	55,510	8.26	2.07	16	5.1	1.4	1.7	2.6	903	1,795	2.32
Area 4a.....	11,008	63.8	100.0	100.0	100.0	420	4,946,216	9.07	2.16	1,440	5.4	100.0	100.0	100.0	1,480	206,378	4.45
Owners, part owners, and managers..	5,415	59.4	49.2	68.7	70.1	412	3,411,968	8.92	2.17	1,322	6.5	91.8	94.8	90.0	1,560	193,388	4.63
Cash tenants.....	478	68.2	4.3	2.8	3.3	359	144,541	8.10	2.26	21	1.7	1.5	1.2	1.0	1,811	2,322	5.22
All share tenants.....	1,314	78.9	11.9	7.7	7.6	424	384,502	9.23	2.18	17	1.3	1.2	0.7	1.5	647	1,140	1.61
Croppers.....	3,286	83.1	29.9	17.5	15.7	471	840,220	9.84	2.09	45	1.0	3.1	2.0	2.2	1,317	6,100	5.87
Other tenants.....	515	61.9	4.7	3.3	3.3	419	164,985	9.18	2.19	35	8.5	2.4	1.4	5.3	382	3,425	1.39
Area 4b.....	4,864	47.9	100.0	100.0	100.0	348	1,876,889	7.56	2.17	986	6.4	100.0	100.0	100.0	1,300	127,245	3.86
Owners, part owners, and managers..	2,640	43.5	54.3	72.7	73.1	347	1,364,781	7.53	2.17	874	7.0	88.6	86.3	88.6	1,266	110,559	3.79
Cash tenants.....	400	53.7	8.2	4.5	4.5	348	81,518	7.35	2.11	28	2.0	2.8	2.2	1.2	2,346	2,805	6.93
All share tenants.....	474	70.2	9.7	5.7	6.0	329	74,452	7.45	2.27	11	3.0	1.1	2.5	2.0	1,689	3,370	5.23
Croppers.....	884	78.9	18.2	12.6	11.5	382	230,425	8.11	2.12	33	4.1	3.3	3.6	4.5	1,056	5,441	3.71
Other tenants.....	466	53.9	9.6	4.6	5.0	321	89,485	7.16	2.23	40	5.3	4.1	5.3	3.7	1,846	5,070	4.11
Areas 5, C, and D.....	3,507	62.1	100.0	100.0	100.0	353	2,122,663	7.99	2.26	512	3.1	100.0	100.0	100.0	1,833	68,645	5.13
Owners, part owners, and managers..	1,869	58.0	53.3	72.3	71.1	359	1,554,166	8.23	2.29	448	3.6	87.5	83.5	88.0	1,844	61,353	5.22
Cash tenants.....	420	69.0	12.0	7.2	8.1	313	157,255	7.31	2.33	16	0.8	3.1	1.7	1.9	1,647	1,070	4.20
All share tenants.....	246	73.4	7.0	5.4	5.4	352	104,840	7.34	2.09	30	5.3	5.9	7.1	7.7	1,689	4,440	4.31
Croppers.....	879	83.6	25.1	13.7	13.6	354	276,639	7.63	2.16	16	0.6	3.1	2.3	1.9	2,196	1,415	5.55
Other tenants.....	93	59.9	2.7	1.5	1.8	302	29,763	6.30	2.08	2	0.9	0.4	0.4	0.5	1,486	367	5.24
Area 6.....	9,899	71.2	100.0	100.0	100.0	335	6,507,873	7.69	2.30	800	2.0	100.0	100.0	100.0	1,305	103,040	4.33
Owners, part owners, and managers..	5,215	68.1	52.7	72.5	71.4	340	4,638,199	7.68	2.26	611	2.3	78.9	87.6	84.8	1,348	82,445	4.09
Cash tenants.....	916	70.7	9.3	6.8	6.8	336	410,679	7.19	2.14	32	1.0	4.0	4.9	3.5	1,855	11,970	14.51
All share tenants.....	963	76.6	9.7	5.9	6.2	319	367,467	6.98	2.19	76	2.4	7.0	4.0	7.0	745	4,910	2.95
Croppers.....	2,437	89.2	24.6	12.5	13.0	322	940,665	8.52	2.65	55	0.9	9.4	3.2	4.5	916	3,520	3.29
Other tenants.....	362	74.7	3.7	2.3	2.6	298	150,863	6.87	2.31	6	0.2	0.8	0.3	0.2	2,000	195	3.90
Area 7a.....	6,504	69.7	100.0	100.0	100.0	389	5,308,411	8.83	2.27	761	3.8	100.0	100.0	100.0	1,473	152,510	4.63
Owners, part owners, and managers..	2,864	65.8	44.0	71.1	69.6	398	3,872,879	9.25	2.33	598	4.6	78.6	89.0	89.6	1,462	136,382	4.61
Cash tenants.....	741	70.9	11.4	6.8	8.0	331	363,410	7.14	2.15	18	1.4	2.4	3.3	2.9	1,685	4,873	5.12
All share tenants.....	417	81.5	6.4	3.4	3.7	357	166,081	7.43	2.08	31	2.1	4.1	2.3	1.7	1,944	3,288	5.72
Croppers.....	2,274	88.0	35.0	17.5	17.1	396	865,100	8.39	2.12	102	1.4	13.4	4.2	4.8	1,285	6,280	3.94
Other tenants.....	208	65.1	3.2	1.2	1.5	312	60,941	6.59	2.12	12	2.1	1.6	1.2	0.9	2,000	1,687	5.76
Area 7b.....	15,842	75.7	100.0	100.0	100.0	409	11,104,804	8.56	2.09	2,217	4.3	100.0	100.0	100.0	1,427	322,524	4.40
Owners, part owners, and managers..	3,228	72.2	51.9	67.4	67.1	412	7,527,593	8.65	2.10	1,546	4.7	69.7	74.9	78.1	1,460	245,677	4.30
Cash tenants.....	1,180	75.2	7.4	5.4	5.6	396	599,880	8.22	2.10	78	3.3	3.5	4.9	4.3	1,638	20,237	6.43
All share tenants.....	1,782	82.0	11.2	9.6	9.6	407	1,059,800	8.49	2.08	154	3.1	6.9	4.5	6.4	990	17,845	3.80
Croppers.....	4,255	90.4	26.9	16.1	16.2	407	1,742,785	8.31	2.04	396	2.7	17.9	7.6	8.5	1,274	28,240	4.53
Other tenants.....	397	73.9	2.5	1.6	1.6	396	176,741	8.37	2.11	43	6.9	1.9	3.1	2.7	1,660	10,555	5.37
Area 8.....	20,572	81.4	100.0	100.0	100.0	456	11,796,327	10.41	2.28	1,830	4.5	100.0	100.0	100.0	1,401	161,836	4.57
Owners, part owners, and managers..	11,364	78.5	55.2	64.9	64.0	462	7,822,370	10.78	2.33	1,491	3.3	81.5	87.5	86.0	1,427	135,354	4.44
Cash tenants.....	851	77.6	4.1	3.0	3.5	392	362,120	9.01	2.30	15	0.2	0.8	0.3	0.3	1,182	520	4.73
All share tenants.....	2,854	87.2	13.9	12.4	12.6	450	1,390,225	9.76	2.17	156	1.3	8.5	4.7	6.1	1,083	10,150	4.70
Croppers.....	4,884	90.1	23.7	17.3	17.0	462	1,948,810	10.10	2.18	110	1.0	6.7	6.0	4.6	1,457	8,085	5.17
Other tenants.....	619	83.2	3.0	2.4	2.8	393	272,802	8.59	2.18	58	3.0	3.2	2.9	3.2	1,261	7,727	6.75
Areas 9 and E.....	3,706	67.7	100.0	100.0	100.0	475	1,702,516	10.86	2.29	502	4.8	100.0	100.0	100.0	1,575	64,310	5.79
Owners, part owners, and managers..	2,712	65.5	73.2	77.9	77.0	481	1,340,291	11.11	2.31	440	5.7	87.6	93.3	93.8	1,568	59,716	5.74
Cash tenants.....	87	78.2	2.3	1.6	1.9	395	29,500	9.99	2.53	5	0.7	1.0	0.3	0.2	2,000	175	7.00
All share tenants.....	357	77.8	9.6	10.0	10.7	443	159,560	9.48	2.14	20	0.6	4.0	1.5	1.2	2,000	1,140	8.44
Croppers.....	448	78.4	12.1	8.7	8.7	473	140,842	10.33	2.18	31	2.8	6.2	4.6	4.5	1,616	3,095	6.25
Other tenants.....	102	57.2	2.8	1.8	1.7	519	32,323	12.33	2.38	6	0.8	1.2	0.3	0.3	1,211	184	4.84
Idaho, total.....	16,361	16.9	100.0	100.0	100.0	234	8,315,520	8.86	3.79	...	...	...	...	...	...	...	...
Owners, part owners, and managers..	12,588	15.8	76.9	77.6	77.9	233	6,495,755	8.88	3.82	...	...	...	...	...	...	...	...
Cash tenants.....	217	12.9	1.3	1.1	1.0	260	79,521	8.69	3.34	...	...	...	...	...	...	...	...
All share tenants.....	3,372	22.8	20.6	20.2	20.0	236	1,636,143										

USE OF FERTILIZER AND LIME

Table 5.—USE AND EXPENDITURES FOR FERTILIZER AND LIME OF COMMERCIAL FARMS BY TENURE OF FARM OPERATOR, BY ECONOMIC AREAS: CENSUS OF 1954—Continued

State, economic area, and tenure of operator	Fertilizer									Lime							
	Farms reporting use of fertilizer	Acres fertilized as a percent of total cropland plus improved pasture	Percent distribution of—			Quantity used per acre fertilized (lb.)	Expenditures (dollars)			Farms reporting use of lime	Acres limed as a percent of total cropland plus improved pasture	Percent distribution of—			Expenditures (dollars)		
			Farms reporting use of fertilizer	Fertilizer used	Acres fertilized		For fertilizer	Per acre fertilized	Per cwt. of fertilizer used			Farms reporting use of lime	Lime used	Acres limed	Quantity used per acre limed (lb.)	For lime	Per acre limed
Idaho—Continued																	
Area 2.....	1,567	25.2	100.0	100.0	100.0	116	958,514	5.15	4.43	...	...	...	...	...	...	...
Owners, part owners, and managers..	1,301	25.5	83.0	81.1	81.0	116	773,075	5.12	4.40	...	...	...	...	...	...	...
Cash tenants.....	16	25.0	1.0	0.4	0.4	123	2,825	4.14	3.36	...	...	...	...	...	...	...
All share tenants.....	245	23.6	15.6	18.0	18.2	115	177,939	5.25	4.57	...	...	...	...	...	...	...
Other tenants.....	5	39.6	0.3	0.5	0.4	130	4,675	6.07	4.68	...	...	...	...	...	...	...
Area 3a.....	3,962	21.5	100.0	100.0	100.0	436	2,113,369	15.09	3.46	...	...	...	...	...	...	...
Owners, part owners, and managers..	3,040	20.7	76.7	77.2	76.1	442	1,618,038	15.18	3.43	...	...	...	...	...	...	...
Cash tenants.....	95	17.8	2.4	2.2	2.0	468	45,465	16.04	3.42	...	...	...	...	...	...	...
All share tenants.....	752	25.3	19.0	18.7	19.6	416	399,056	14.55	3.50	...	...	...	...	...	...	...
Other tenants.....	75	27.5	1.9	2.0	2.3	376	50,810	15.66	4.16	...	...	...	...	...	...	...
Area 3b.....	4,685	28.6	100.0	100.0	100.0	255	2,370,902	9.30	3.65	...	...	...	...	...	...	...
Owners, part owners, and managers..	3,091	26.1	66.0	69.1	66.7	264	1,657,402	9.74	3.69	...	...	...	...	...	...	...
Cash tenants.....	26	10.8	0.6	0.3	0.3	224	6,795	7.77	3.47	...	...	...	...	...	...	...
All share tenants.....	1,501	36.8	32.0	29.2	31.3	238	671,885	8.42	3.53	...	...	...	...	...	...	...
Other tenants.....	67	29.7	1.4	1.3	1.6	207	34,820	8.37	4.05	...	...	...	...	...	...	...
Area 4.....	4,825	11.1	100.0	100.0	100.0	220	2,393,555	9.11	4.13	...	...	...	...	...	...	...
Owners, part owners, and managers..	3,921	10.6	81.3	82.3	82.1	221	1,993,724	9.24	4.19	...	...	...	...	...	...	...
Cash tenants.....	71	12.1	1.5	1.3	1.7	162	23,695	5.22	3.22	...	...	...	...	...	...	...
All share tenants.....	808	15.3	16.7	16.0	15.6	226	367,041	8.97	3.97	...	...	...	...	...	...	...
Other tenants.....	25	12.1	0.5	0.5	0.6	184	9,095	5.96	3.25	...	...	...	...	...	...	...
Illinois, total.....	104,142	33.1	100.0	100.0	100.0	265	57,092,991	7.34	2.77	40,614	4.7	100.0	100.0	100.0	4,464	8,447,557	7.70
Owners, part owners, and managers..	62,634	34.3	60.1	57.4	57.0	267	32,628,633	7.35	2.76	25,167	4.9	62.0	59.0	58.3	4,518	5,013,750	7.83
Cash tenants.....	2,692	33.4	2.6	2.0	2.0	263	1,217,410	7.68	2.92	820	3.5	2.0	1.3	3,923	104,300	6.36	
All share tenants.....	37,588	31.5	36.1	39.6	39.8	263	22,635,298	7.30	2.77	14,236	4.4	35.1	38.7	39.2	4,403	3,242,267	7.54
Other tenants.....	1,228	31.1	1.2	1.0	1.1	245	611,650	7.00	2.86	391	4.0	1.0	1.0	4,512	87,240	7.85	
Areas 1, A, and B.....	12,433	37.4	100.0	100.0	100.0	238	6,240,141	6.69	2.82	3,787	4.3	100.0	100.0	100.0	5,131	740,614	6.99
Owners, part owners, and managers..	6,247	37.2	50.2	52.9	47.7	263	3,222,584	7.25	2.75	2,080	4.8	54.9	54.1	54.5	5,098	382,059	6.62
Cash tenants.....	627	31.9	5.0	3.3	3.3	238	199,675	6.57	2.76	155	3.4	4.1	2.7	3.0	4,601	20,415	6.39
All share tenants.....	5,383	38.2	43.3	42.6	47.6	213	2,731,557	6.16	2.89	1,521	3.8	40.2	42.3	41.6	5,217	332,280	7.54
Other tenants.....	176	35.8	1.4	1.2	1.5	197	86,325	6.21	3.15	31	2.5	0.8	0.9	4,954	5,860	5.95	
Areas 2 and C.....	8,401	44.4	100.0	100.0	100.0	265	4,559,852	7.56	2.86	2,393	4.3	100.0	100.0	100.0	3,577	308,368	5.33
Owners, part owners, and managers..	5,360	43.5	63.8	63.2	57.3	292	2,877,647	8.32	2.85	1,557	4.6	65.1	65.1	62.7	3,713	201,203	5.55
Cash tenants.....	1,035	45.9	12.3	10.5	10.9	255	526,265	7.99	3.13	280	3.4	11.7	6.6	8.3	2,842	19,735	4.10
All share tenants.....	1,920	45.7	22.9	25.6	30.8	220	1,123,540	6.04	2.75	536	4.0	22.4	27.5	28.5	3,452	85,465	5.20
Other tenants.....	86	37.0	1.0	0.7	0.9	184	32,400	5.73	3.10	20	1.8	0.8	0.8	0.5	5,929	1,965	7.02
Area 3.....	9,798	19.7	100.0	100.0	100.0	310	4,986,547	8.33	2.69	5,129	4.9	100.0	100.0	100.0	4,539	1,192,571	8.01
Owners, part owners, and managers..	5,063	20.6	51.7	50.6	49.9	314	2,530,009	8.47	2.70	2,755	5.6	53.7	52.5	54.1	4,401	626,171	7.77
Cash tenants.....	185	15.9	1.9	1.6	1.4	365	99,465	12.02	3.29	110	3.6	2.1	1.3	4,569	13,455	7.16	
All share tenants.....	4,469	19.0	45.6	47.0	47.6	306	2,307,353	8.10	2.64	2,249	4.4	43.8	46.0	44.3	4,710	550,245	8.34
Other tenants.....	81	22.2	0.8	0.7	1.1	199	49,720	7.29	3.67	15	1.5	0.3	0.3	4,000	2,700	5.68	
Area 4.....	10,891	33.0	100.0	100.0	100.0	257	5,870,654	7.79	3.04	4,602	4.8	100.0	100.0	100.0	4,515	903,268	8.22
Owners, part owners, and managers..	6,981	32.4	64.1	63.4	60.4	269	3,716,465	8.16	3.03	3,200	5.2	69.5	67.2	67.2	4,519	607,447	8.24
Cash tenants.....	125	40.4	1.1	1.0	1.2	211	62,735	6.72	3.18	30	1.8	0.7	0.4	4,488	3,495	8.52	
All share tenants.....	3,599	34.0	33.0	34.2	36.8	238	2,009,589	7.24	3.04	1,302	4.2	28.3	31.2	31.2	4,516	280,826	8.21
Other tenants.....	186	30.1	1.7	1.4	1.5	245	81,865	7.18	2.93	70	2.8	1.5	1.2	1.3	4,269	11,500	7.93
Area 5.....	5,139	33.2	100.0	100.0	100.0	328	3,949,815	9.15	2.79	1,825	4.8	100.0	100.0	100.0	4,133	388,662	6.19
Owners, part owners, and managers..	2,320	36.0	45.1	46.4	44.9	339	1,827,355	9.44	2.78	833	5.0	45.6	43.3	43.2	4,140	174,002	6.42
Cash tenants.....	120	34.8	2.3	1.8	1.8	318	63,850	8.14	2.56	10	2.2	0.5	0.8	0.8	4,000	3,000	6.00
All share tenants.....	2,623	31.2	51.0	50.7	51.9	321	2,014,690	9.00	2.81	962	4.8	52.7	54.9	54.6	4,159	205,540	6.00
Other tenants.....	76	29.6	1.5	1.2	1.5	275	43,920	7.01	2.55	20	4.2	1.1	1.0	1.4	3,028	6,120	6.92
Areas ca, D, and E.....	10,648	29.4	100.0	100.0	100.0	292	6,728,028	8.18	2.80	4,855	5.1	100.0	100.0	100.0	4,296	1,175,505	8.16
Owners, part owners, and managers..	5,430	30.6	51.0	50.2	50.1	293	3,446,289	8.36	2.86	2,546	5.5	52.4	50.4	51.1	4,243	591,380	8.04
Cash tenants.....	200	19.5	1.9	1.8	1.3	391	108,000	10.00	2.56	105	5.1	2.2	2.0	2.0	4,327	24,485	8.62
All share tenants.....	4,893	28.7	46.0	47.1	47.7	289	3,108,434	7.92	2.74	2,149	4.8	44.3	46.1	45.8	4,320	540,890	8.20
Other tenants.....	125	26.2	1.2	0.9	0.9	297	65,305	8.92	3.00	55	5.8	1.1	1.5	1.1	5,687	18,750	11.50
Area 6b.....	16,829	31.5	100.0	100.0	100.0	317	12,630,442	8.50	2.69	6,991	5.0	100.0	100.0	100.0	4,076	1,672,757	7.08
Owners, part owners, and managers..	7,527	22.5	44.7	44.3	43.0	331	5,607,811	8.78	2.65	3,184	5.3	45.5	44.7	44.3	4,121	762,312	7.29
Cash tenants.....	150	28.2	0.9	0.6	0.8	255	82,515	7.19	2.82	25	3.1	0.4	0.4	0.5	3,169	7,010	5.50
All share tenants.....	8,972	30.8	53.3	53.4	55.2	306	6,806,761	8.30	2.71	3,702	4.8	53.0	53.8	54.2	4,046	887,815	6.93
Other tenants.....	180	31.4	1.1	1.1	1.0	332	133,355	8.70	2.62	80	4.9	1.1	1.0	1.0	4,228	15,620	6.59

Table 5.—USE AND EXPENDITURES FOR FERTILIZER AND LIME OF COMMERCIAL FARMS BY TENURE OF FARM OPERATOR, BY ECONOMIC AREAS: CENSUS OF 1954—Continued

State, economic area, and tenure of operator	Fertilizer								Lime							
	Farms reporting use of fertilizer	Acres fertilized as a percent of total cropland plus improved pasture	Percent distribution of—		Quantity used per acre fertilized (lb.)	Expenditures (dollars)			Farms reporting use of lime	Acres limed as a percent of total cropland plus improved pasture	Percent distribution of—		Quantity used per acre limed (lb.)	Expenditures (dollars)		
			Farms reporting fertilizer	Acres fertilized		For fertilizer	Per acre fertilized	Per cent. of fertilizer used			Farms reporting lime	Acres limed		For lime	Per acre limed	
Illinois—Continued																
Areas 7 and F.....	10,402	37.4	100.0	100.0	207	4,084,862	5.70	2.75	4,270	4.0	100.0	100.0	100.0	5,066	685,077	8.89
Owners, part owners, and managers..	7,254	38.1	69.7	70.3	213	2,895,495	5.91	2.78	3,176	4.6	74.4	76.5	76.6	5,059	529,455	8.97
Cash tenants.....	175	32.4	1.7	1.2	191	38,685	4.29	2.25	75	2.6	1.8	1.0	0.9	5,352	7,215	9.95
All share tenants.....	2,922	36.2	27.1	27.1	192	1,100,217	5.26	2.74	984	2.8	23.0	21.5	21.1	5,157	142,500	8.72
Other tenants.....	151	34.1	1.5	1.3	239	50,465	5.46	2.29	35	3.9	0.8	1.0	1.4	3,820	6,330	6.00
Area 8.....	7,544	43.3	100.0	100.0	197	2,869,278	5.15	2.61	2,679	4.4	100.0	100.0	100.0	5,243	588,599	10.28
Owners, part owners, and managers..	6,341	42.9	84.1	84.5	202	2,395,783	5.22	2.58	2,368	4.6	88.4	85.6	85.5	5,253	502,303	10.26
Cash tenants.....	15	58.8	0.2	0.2	204	6,160	5.40	2.66	...	...	...	...	...	...	...	...
All share tenants.....	1,128	45.7	19.0	14.8	175	448,665	4.81	2.75	281	3.3	10.5	11.9	12.0	5,213	71,910	10.51
Other tenants.....	60	34.0	0.8	0.5	151	18,670	5.02	3.33	30	13.5	1.1	2.5	2.6	5,044	14,385	9.75
Area 9.....	5,241	45.9	100.0	100.0	208	2,820,599	5.83	2.80	1,639	3.7	100.0	100.0	100.0	4,574	345,588	8.77
Owners, part owners, and managers..	4,179	45.8	79.7	75.7	207	2,100,609	5.73	2.77	1,321	3.9	80.6	78.3	79.8	4,487	259,993	8.26
Cash tenants.....	25	51.2	0.5	0.4	152	13,855	6.37	3.50	...	...	...	...	...	...	...	...
All share tenants.....	376	46.3	18.6	23.5	214	678,815	6.13	2.87	293	3.2	17.9	21.0	19.2	5,017	83,155	11.01
Other tenants.....	61	43.2	1.2	0.9	206	27,320	6.05	2.94	25	3.8	1.5	0.7	1.0	3,075	2,440	6.10
Area 10.....	4,062	39.1	100.0	100.0	211	1,413,669	5.54	2.62	1,413	4.4	100.0	100.0	100.0	5,222	275,570	9.55
Owners, part owners, and managers..	3,590	38.5	88.4	85.7	215	1,208,197	5.64	2.62	1,277	4.6	90.4	87.5	89.2	5,121	243,006	9.44
Cash tenants.....	25	41.7	0.6	0.8	227	10,055	5.28	2.33	20	12.5	1.4	2.0	2.0	5,333	5,195	9.11
All share tenants.....	426	43.4	10.9	12.6	185	178,012	4.86	2.62	111	2.9	7.9	10.0	8.5	6,144	25,869	10.55
Other tenants.....	21	33.9	0.5	1.0	236	17,405	7.90	3.35	5	1.5	0.4	0.5	0.3	8,000	1,500	15.00
Area 11.....	2,754	22.7	100.0	100.0	263	939,104	6.57	2.50	1,031	4.7	100.0	100.0	100.0	3,883	170,979	5.82
Owners, part owners, and managers..	2,342	22.8	85.0	86.4	274	800,389	6.75	2.46	870	4.1	84.4	79.2	72.3	4,253	134,419	6.33
Cash tenants.....	10	8.6	0.4	0.6	914	6,150	25.10	2.75	10	7.2	1.0	0.3	0.7	1,561	295	1.44
All share tenants.....	377	22.9	13.7	12.3	200	127,665	5.53	2.77	146	7.8	14.2	20.5	27.0	2,949	36,195	4.57
Other tenants.....	25	15.6	0.9	0.7	262	4,900	4.76	1.81	5	0.2	0.5	0.1	0.1	4,667	70	4.67
Indiana, total.....	101,323	58.4	100.0	100.0	258	58,263,631	7.46	2.89	37,718	6.3	100.0	100.0	100.0	3,976	4,989,321	5.92
Owners, part owners, and managers..	77,361	57.1	76.4	70.2	266	40,778,595	7.66	2.88	29,747	6.8	78.9	75.0	74.9	3,981	3,679,238	5.83
Cash tenants.....	325	60.3	0.8	0.7	262	394,020	7.57	2.89	285	5.5	0.8	0.5	0.6	3,537	26,470	5.62
All share tenants.....	21,315	61.6	21.6	27.4	241	16,098,286	7.02	2.92	7,189	5.3	19.1	23.3	23.2	3,987	1,219,751	6.24
Other tenants.....	1,822	57.3	1.8	1.7	247	92,730	7.01	2.84	497	4.5	1.3	1.2	1.3	3,681	64,362	5.82
Areas 1, A, and B.....	6,421	63.5	100.0	100.0	277	4,919,713	8.51	3.07	2,207	5.9	100.0	100.0	100.0	4,403	419,028	7.79
Owners, part owners, and managers..	5,010	62.6	78.0	73.9	286	3,645,050	8.78	3.07	1,696	6.5	76.8	77.3	80.1	4,253	314,198	7.30
Cash tenants.....	160	57.1	2.5	2.0	269	96,645	8.09	3.01	55	3.4	2.5	1.0	1.3	3,427	5,040	7.05
All share tenants.....	1,156	66.5	18.0	22.0	251	1,079,913	7.68	3.06	426	4.5	19.3	21.0	17.7	5,227	97,160	10.24
Other tenants.....	95	67.1	1.5	2.0	309	98,105	9.23	2.99	30	3.2	1.4	0.7	0.9	3,109	4,630	5.21
Area 2a.....	9,149	68.9	100.0	100.0	277	7,998,667	8.61	3.11	2,967	5.5	100.0	100.0	100.0	4,394	456,427	6.11
Owners, part owners, and managers..	6,633	68.0	72.5	65.1	286	5,208,668	8.89	3.11	2,102	5.7	70.8	62.8	65.4	4,216	280,832	5.75
Cash tenants.....	70	82.6	0.8	0.4	272	32,470	7.64	2.83	15	3.4	0.5	0.1	0.2	2,571	1,850	10.57
All share tenants.....	2,256	70.4	24.7	32.9	262	2,627,209	8.13	3.10	805	5.4	27.1	36.1	33.4	4,752	168,790	6.79
Other tenants.....	190	66.0	2.1	1.6	250	130,320	7.97	3.19	45	2.9	1.5	1.0	1.0	4,497	4,725	6.52
Area 2b.....	15,212	61.1	100.0	100.0	245	10,924,689	7.26	2.96	5,619	6.5	100.0	100.0	100.0	3,640	943,803	5.85
Owners, part owners, and managers..	9,776	60.4	64.3	58.9	255	6,441,244	7.58	2.97	3,734	7.1	66.5	59.5	62.2	3,480	555,909	5.54
Cash tenants.....	95	57.1	0.6	0.4	225	45,495	6.59	2.92	30	4.3	0.5	0.4	0.3	4,427	3,100	6.02
All share tenants.....	5,065	62.1	33.3	38.9	232	4,238,570	6.85	2.95	1,789	5.9	31.8	39.3	36.3	3,934	378,194	6.45
Other tenants.....	276	62.5	1.8	1.3	227	199,280	6.88	3.04	66	3.8	1.2	0.8	1.1	2,734	6,400	3.73
Areas 3 and C.....	15,182	55.6	100.0	100.0	240	6,839,570	6.87	2.87	4,171	4.8	100.0	100.0	100.0	3,190	434,185	5.05
Owners, part owners, and managers..	11,612	54.9	76.5	71.9	244	4,952,135	7.05	2.89	3,281	5.1	78.7	77.8	76.6	3,242	337,375	5.13
Cash tenants.....	90	57.6	0.6	0.4	222	32,940	7.04	3.17	35	3.9	0.8	0.3	0.4	2,286	1,675	5.32
All share tenants.....	3,185	58.1	21.0	25.7	229	1,723,700	6.44	2.82	810	4.1	19.4	20.7	21.9	3,018	89,685	4.77
Other tenants.....	295	49.6	1.9	2.0	243	130,795	6.62	2.72	45	2.5	1.1	1.2	1.2	3,271	5,450	5.37
Area 4.....	10,990	62.4	100.0	100.0	245	6,020,978	6.86	2.80	2,373	4.1	100.0	100.0	100.0	3,850	320,346	5.50
Owners, part owners, and managers..	7,845	61.6	71.6	65.4	245	3,946,033	6.89	2.81	1,658	4.3	69.4	68.6	67.9	3,895	219,386	5.55
Cash tenants.....	190	71.8	0.9	1.1	253	69,790	7.78	3.02	30	8.6	1.3	2.0	1.8	4,121	6,790	6.32
All share tenants.....	2,780	64.0	25.4	31.4	233	1,875,165	6.79	2.78	64	3.8	27.2	27.4	28.2	3,735	87,240	5.30
Other tenants.....	225	59.0	2.1	2.2	237	129,990	6.61	2.74	40	3.6	1.7	2.5	2.1	3,708	6,930	5.78
Areas 5 and D.....	14,260	60.9	100.0	100.0	248	8,092,565	6.84	2.72	5,314	6.8	100.0	100.0	100.0	3,663	689,357	5.20
Owners, part owners, and managers..	10,165	59.8	71.3	66.3	256	5,397,625	7.09	2.77	3,934	7.4	74.0	72.6	71.0	3,745	488,997	5.19
Cash tenants.....	175	55.0	1.2	0.8	298	60,790	7.41	2.48	50	4.2	0.9	0.4	0.5	3,472	2,930	4.69
All share tenants.....	3,635	63.8	25.5	31.1	233	2,494,540	6.35	2.73	1,240	5.8	23.3	25.5	27.0	3,463	184,730	5.16
Other tenants.....	285	55.0	2.0	1.7	251	139,610	6.75	2.69	90	5.5	1.7	1.5	1.6	3,447	12,706	6.11

USE OF FERTILIZER AND LIME

Table 5.—USE AND EXPENDITURES FOR FERTILIZER AND LIME OF COMMERCIAL FARMS BY TENURE OF FARM OPERATOR, BY ECONOMIC AREAS: CENSUS OF 1954—Continued

State, economic area, and tenure of operator	Farms reporting use of fertilizer	Fertilizer								Lime							
		Acres fertilized as a percent of total cropland plus improved pasture	Percent distribution of—			Quantity used per acre fertilized (lb.)	Expenditures (dollars)			Farms reporting use of lime	Acres limed as a percent of total cropland plus improved pasture	Percent distribution of—			Expenditures (dollars)		
			Farms reporting fertilizer	Fertilizer used	Acres fertilized		For fertilizer	Per acre fertilized	Per cent. of fertilizer used			Farms reporting lime	Lime used	Acres limed	Quantity used per acre limed (lb.)	For lime	Per acre limed
Indiana—Continued																	
Areas 6 and E.....	13,211	50.4	100.0	100.0	100.0	260	7,468,371	7.70	2.96	6,832	7.2	100.0	100.0	100.0	4,100	944,925	6.80
Owners, part owners, and managers..	11,011	50.4	83.3	79.6	78.1	265	5,879,297	7.77	2.93	5,850	7.7	85.6	81.9	82.7	4,059	771,088	6.71
Cash tenants.....	60	55.2	0.5	0.3	0.2	339	20,270	10.24	3.02	25	19.8	0.4	0.3	0.5	2,127	1,835	2.58
All share tenants.....	1,960	49.6	14.8	19.0	20.3	244	1,493,639	7.60	3.12	877	5.4	12.8	16.2	15.3	4,351	155,247	7.30
Other tenants.....	180	59.5	1.4	1.1	1.4	206	75,165	5.43	2.64	80	8.8	1.2	1.6	1.5	4,477	16,755	8.16
Area 7.....	7,383	49.2	100.0	100.0	100.0	295	2,826,635	7.72	2.62	3,744	8.6	100.0	100.0	100.0	4,616	349,902	5.50
Owners, part owners, and managers..	6,920	49.1	93.7	92.5	92.0	296	2,604,415	7.74	2.61	3,527	8.8	94.2	94.7	94.8	4,610	332,860	5.51
Cash tenants.....	20	45.2	0.3	0.4	0.4	263	10,300	6.60	2.51	10	1.4	0.3	0.1	0.1	6,000	300	6.00
All share tenants.....	347	52.9	4.7	5.9	6.3	275	177,965	7.71	2.80	176	6.4	4.7	4.5	4.4	4,702	15,130	5.43
Other tenants.....	96	43.9	1.3	1.3	1.3	284	33,955	7.07	2.49	31	4.1	0.8	0.7	0.7	4,757	1,612	3.59
Areas 8 and F.....	9,555	47.8	100.0	100.0	100.0	302	3,172,443	7.86	2.60	4,491	8.7	100.0	100.0	100.0	4,770	431,848	5.88
Owners, part owners, and managers..	8,389	47.3	87.8	85.5	83.9	308	2,704,128	7.99	2.60	3,965	9.0	88.3	88.6	87.6	4,823	378,543	5.89
Cash tenants.....	55	64.1	0.6	0.7	0.9	250	25,320	7.02	2.81	35	9.4	0.8	0.7	0.7	4,434	2,950	5.57
All share tenants.....	931	50.8	9.7	12.0	13.5	268	387,485	7.09	2.65	421	6.8	9.4	9.4	10.0	4,494	43,395	5.92
Other tenants.....	180	48.4	1.9	1.8	1.7	323	55,510	8.14	2.52	70	8.9	1.6	1.4	1.7	3,778	6,960	5.52
Iowa, total.....	111,004	26.7	100.0	100.0	100.0	175	46,771,168	6.67	3.82	30,422	2.7	100.0	100.0	100.0	4,230	4,535,046	6.29
Owners, part owners, and managers..	63,085	26.0	56.8	56.0	53.6	182	25,943,811	6.90	3.79	20,224	3.3	66.5	65.0	65.7	4,180	2,943,361	6.21
Cash tenants.....	5,472	26.7	4.9	3.8	4.1	163	1,780,345	6.20	3.81	1,376	2.7	4.5	4.5	4.1	4,602	189,620	6.42
All share tenants.....	41,256	27.7	37.2	39.3	41.2	166	18,595,127	6.43	3.87	8,551	2.0	28.1	29.8	29.4	4,293	1,367,825	6.46
Other tenants.....	1,191	26.1	1.1	0.9	1.0	159	451,885	6.29	3.95	271	2.1	0.9	0.8	0.8	4,175	34,240	6.05
Area 1a.....	11,561	26.6	100.0	100.0	100.0	181	5,694,786	7.38	4.07	1,118	1.1	100.0	100.0	100.0	3,067	207,333	6.68
Owners, part owners, and managers..	5,449	27.7	47.1	49.9	47.2	191	2,829,006	7.76	4.05	598	1.3	53.5	53.9	54.7	3,025	109,603	6.46
Cash tenants.....	1,110	26.8	9.6	7.6	8.2	169	430,945	6.82	4.05	90	0.7	8.1	5.0	5.2	2,969	13,455	8.36
All share tenants.....	4,907	25.5	42.4	41.7	43.8	172	2,387,995	7.06	4.09	430	0.9	38.5	41.1	40.2	3,138	84,275	6.76
Other tenants.....	95	26.7	0.8	0.7	0.7	179	46,840	8.17	4.57	...	...	...	...	...	...	...	...
Areas 1b, A, and B.....	14,696	26.8	100.0	100.0	100.0	159	7,499,271	7.59	4.78	1,581	1.1	100.0	100.0	100.0	3,462	262,927	6.56
Owners, part owners, and managers..	7,703	26.1	52.4	51.3	50.4	162	3,850,149	7.74	4.78	964	1.2	61.0	59.8	59.4	3,487	156,092	6.56
Cash tenants.....	316	24.2	2.2	1.6	1.6	154	124,845	7.82	5.09	25	1.7	1.6	3.1	2.8	3,824	8,145	7.18
All share tenants.....	6,497	27.8	44.2	46.1	46.9	156	3,442,277	7.44	4.76	567	0.9	35.9	35.7	36.2	3,408	94,900	6.54
Other tenants.....	180	24.8	1.2	1.0	1.1	140	82,000	7.47	5.35	25	1.4	1.6	1.4	1.6	3,072	3,790	6.06
Area 2a.....	8,604	34.6	100.0	100.0	100.0	176	4,268,180	5.85	3.33	312	0.5	100.0	100.0	100.0	2,496	56,442	5.61
Owners, part owners, and managers..	4,283	33.9	49.8	49.7	47.5	184	2,065,595	5.96	3.24	172	0.5	55.1	51.0	53.7	2,368	30,952	5.73
Cash tenants.....	250	27.7	2.9	2.3	2.2	184	96,170	6.06	3.30	5	0.1	1.6	0.6	0.4	4,000	250	6.25
All share tenants.....	3,981	35.8	46.3	47.1	49.1	169	2,061,035	5.76	3.41	130	0.5	41.7	48.0	45.1	2,657	24,490	5.40
Other tenants.....	90	38.7	1.0	1.0	1.2	136	45,380	5.06	3.71	5	0.3	1.6	0.4	0.8	1,250	750	9.38
Areas 2b and C.....	15,638	29.8	100.0	100.0	100.0	175	7,722,952	6.65	3.80	1,372	0.9	100.0	100.0	100.0	3,318	196,155	5.90
Owners, part owners, and managers..	7,372	30.1	47.1	49.2	46.9	184	3,819,887	7.00	3.82	807	1.1	58.8	55.9	58.9	3,152	111,680	5.71
Cash tenants.....	405	32.9	2.6	2.1	2.3	165	166,965	6.34	3.85	60	1.5	4.4	3.1	3.6	2,863	6,470	5.37
All share tenants.....	7,696	29.6	49.2	48.0	50.3	167	3,678,390	6.30	3.77	500	0.6	36.4	40.5	37.2	3,611	76,580	6.19
Other tenants.....	165	24.1	1.1	0.7	0.8	165	57,710	6.28	3.81	5	0.3	0.4	0.5	0.3	5,000	1,425	14.25
Area 3a.....	5,015	14.1	100.0	100.0	100.0	184	1,795,784	7.71	4.19	3,032	4.1	100.0	100.0	100.0	3,541	390,114	5.72
Owners, part owners, and managers..	3,762	14.3	67.0	65.5	63.9	189	1,172,549	7.88	4.18	2,146	4.6	70.8	70.7	70.5	3,551	275,384	5.73
Cash tenants.....	120	15.3	2.1	1.8	1.7	188	37,135	9.31	4.94	25	1.6	0.8	0.5	0.6	3,259	2,015	4.98
All share tenants.....	1,678	13.5	29.9	31.8	33.6	174	570,995	7.29	4.19	831	3.4	27.4	28.3	28.4	3,525	110,810	5.72
Other tenants.....	55	16.2	1.0	0.8	0.8	196	15,105	8.35	4.27	30	3.3	1.0	0.5	0.5	3,288	1,905	5.22
Area 3b.....	6,895	16.7	100.0	100.0	100.0	200	2,183,919	7.20	3.60	4,253	5.7	100.0	100.0	100.0	3,920	617,499	5.95
Owners, part owners, and managers..	5,257	16.1	76.2	73.4	71.4	206	1,603,926	7.40	3.60	3,317	6.1	78.0	75.8	78.9	3,767	470,314	5.74
Cash tenants.....	80	12.6	1.2	0.7	0.8	172	13,850	5.84	3.39	50	4.4	1.2	1.1	0.8	5,169	5,680	6.84
All share tenants.....	1,483	18.9	21.5	25.0	26.8	187	547,143	6.73	3.60	851	4.7	20.0	22.4	19.6	4,477	137,060	6.75
Other tenants.....	75	14.1	1.1	0.9	1.0	182	19,000	6.28	3.44	35	3.7	0.8	0.8	0.8	4,064	4,445	5.66
Area 4.....	24,468	36.2	100.0	100.0	100.0	158	8,294,711	5.60	3.53	5,878	3.0	100.0	100.0	100.0	4,986	794,671	6.37
Owners, part owners, and managers..	14,818	35.3	60.6	59.1	57.2	164	4,925,176	5.81	3.55	3,933	3.4	66.9	64.6	64.5	4,993	517,761	6.43
Cash tenants.....	1,690	35.0	6.9	5.2	5.7	144	443,265	5.28	3.66	300	2.4	5.1	4.8	4.6	5,231	34,915	6.09
All share tenants.....	7,680	38.0	31.4	34.5	35.9	152	2,834,365	5.32	3.49	1,585	2.6	27.0	29.5	29.7	4,951	233,440	6.30
Other tenants.....	280	35.6	1.1	1.2	1.2	155	91,905	5.27	3.40	60	3.1	1.0	1.1	1.2	4,490	8,555	5.59
Area 5.....	10,178	17.9	100.0	100.0	100.0	191	4,193,664	7.43	3.89	6,423	5.0	100.0	100.0	100.0	4,274	1,022,052	6.48
Owners, part owners, and managers..	5,725	17.9	56.2	59.1	55.1	205	2,376,867	7.64	3.73	3,981	5.7	62.0	62.1	62.6	4,242	633,992	6.43
Cash tenants.....	490	16.5	4.8	3.8	4.4	168	158,925	6.46	3.84	255	4.0	4.0	4.0	3.8	4,457	42,670	7.09
All share tenants.....	3,862	17.9	37.9	36.1	39.6	174	1,616,272	7.23	4.15	2,141	4.2	33.3	33.6	33.2	4,318	341,750	6.53
Other tenants.....	101	18.7	1.0	0.9	1.0	176	41,600	7.43	4.23	46	2.0	0.7	0.3	0.4	3,787	3,640	5.97

USE OF FERTILIZER AND LIME

**Table 5.—USE AND EXPENDITURES FOR FERTILIZER AND LIME OF COMMERCIAL FARMS BY TENURE OF FARM OPERATOR,
BY ECONOMIC AREAS: CENSUS OF 1954—Continued**

State, economic area, and tenure of operator	Farms report- ing use of ferti- lizer	Acres ferti- lized as a percent of total cropland plus improved pasture	Fertilizer					Lime									
			Percent distribution of—			Quan- tity used per acre ferti- lized (lb.)	Expenditures (dollars)			Farms report- ing use of lime	Acres limed as a percent of total cropland plus improved pasture	Percent distribution of—			Quan- tity used per acre limed (lb.)	Expenditures (dollars)	
			Farms re- port- ing ferti- lizer	Ferti- lizer used	Acres ferti- lized		For fertilizer	Per acre ferti- lized	Per cwt. of ferti- lizer used			Farms re- port- ing lime	Lime used	Acres limed		For lime	Per acre limed
Iowa—Continued																	
Areas 6 and D.....	13,349	26.4	100.0	100.0	100.0	192	5,117,901	6.59	3.43	6,453	5.2	100.0	100.0	100.0	4,842	987,853	6.50
Owners, part owners, and managers..	8,716	25.8	65.3	64.3	62.4	198	3,300,656	6.81	3.44	4,306	5.3	66.7	64.2	65.2	4,769	637,583	6.44
Cash tenants.....	1,011	25.1	7.6	5.9	6.5	174	308,245	6.07	3.48	566	6.2	8.8	8.2	8.3	4,839	76,020	6.07
All share tenants.....	3,472	28.1	26.0	28.7	29.9	185	1,456,655	6.28	3.40	1,516	4.7	23.5	26.5	25.5	5,030	264,520	6.82
Other tenants.....	150	28.5	1.1	1.0	1.2	170	52,345	5.73	3.37	65	4.9	1.0	1.0	1.0	4,818	9,730	6.22
Kansas, total.....	45,883	12.8	100.0	100.0	100.0	117	18,280,568	4.81	4.13	7,127	0.6	100.0	100.0	100.0	3,975	1,055,560	5.89
Owners, part owners, and managers..	32,780	13.0	71.4	73.5	71.8	119	13,345,637	4.89	4.10	5,505	0.7	77.2	78.9	79.1	3,969	819,137	5.78
Cash tenants.....	806	22.4	1.8	1.4	1.2	128	246,396	5.22	4.08	72	0.6	1.0	0.7	0.7	4,029	7,065	5.67
All share tenants.....	11,661	11.8	25.4	23.9	25.6	109	4,452,254	4.58	4.21	1,439	0.4	20.2	13.8	18.5	4,033	205,498	6.20
Other tenants.....	636	15.9	1.4	1.3	1.3	112	236,281	4.70	4.19	111	1.0	1.6	1.6	1.8	3,624	23,960	7.60
Area 1.....	594	1.0	100.0	100.0	100.0	79	251,124	4.24	5.34	10	(2)	100.0	100.0	100.0	5,333	2,600	8.67
Owners, part owners, and managers..	411	0.9	69.2	71.4	70.2	81	182,336	4.39	5.43	10	(2)	100.0	100.0	100.0	5,333	2,600	8.67
Cash tenants.....	14	1.0	2.4	0.3	0.4	68	878	3.75	5.49	...	...	...	...	...	...	...	...
All share tenants.....	157	0.9	26.4	25.6	25.5	80	57,900	3.84	4.81	...	...	...	...	...	...	...	...
Other tenants.....	12	4.4	2.0	2.6	3.9	54	10,010	4.35	8.07	...	...	...	...	...	...	...	...
Area 2a.....	1,697	2.4	100.0	100.0	100.0	84	642,509	3.67	4.38	33	(2)	100.0	100.0	100.0	3,720	10,079	8.44
Owners, part owners, and managers..	938	2.1	58.4	61.1	62.7	84	397,802	3.62	4.30	22	(2)	66.7	64.0	64.8	3,672	7,459	9.64
Cash tenants.....	6	1.3	0.4	0.4	0.1	459	1,000	7.41	1.61	...	...	...	...	...	...	...	...
All share tenants.....	647	3.1	40.3	36.2	36.4	82	241,683	3.74	4.56	11	(2)	33.3	36.0	35.2	3,810	2,620	6.24
Other tenants.....	16	0.7	1.0	0.3	0.3	86	2,024	4.35	5.06	...	...	...	...	...	...	...	...
Area 2b.....	798	3.4	100.0	100.0	100.0	99	303,734	4.25	4.30	12	(2)	100.0	100.0	100.0	2,852	1,267	4.69
Owners, part owners, and managers..	554	3.6	69.4	66.0	72.3	90	221,686	4.26	4.75	12	(2)	100.0	100.0	100.0	2,852	1,267	4.69
Cash tenants.....	7	4.4	0.9	0.5	0.4	117	1,255	4.33	3.69	...	...	...	...	...	...	...	...
All share tenants.....	237	3.2	29.7	33.5	26.7	124	80,793	4.23	3.41	...	...	...	...	...	...	...	...
Other tenants.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Areas 3a and A.....	5,712	19.4	100.0	100.0	100.0	86	2,320,667	3.62	4.19	753	0.6	100.0	100.0	100.0	3,505	125,207	6.22
Owners, part owners, and managers..	3,773	20.2	66.1	69.4	68.7	87	1,609,604	3.65	4.19	526	0.7	69.9	72.5	71.5	3,554	86,954	6.03
Cash tenants.....	65	15.1	1.1	0.7	0.6	109	17,135	4.68	4.28	20	0.8	2.7	0.8	0.9	2,842	8,865	4.55
All share tenants.....	1,791	17.5	31.4	28.3	29.2	84	659,038	3.52	4.20	192	0.5	25.5	25.2	26.1	3,381	35,413	6.73
Other tenants.....	83	28.7	1.5	1.5	1.6	85	34,890	3.49	4.12	15	0.8	2.0	1.5	1.4	3,818	1,975	7.18
Area 3b.....	4,461	23.8	100.0	100.0	100.0	96	1,714,872	4.12	4.32	350	0.5	100.0	100.0	100.0	3,518	56,866	6.13
Owners, part owners, and managers..	2,925	24.2	65.6	67.3	67.2	96	1,145,438	4.10	4.28	218	0.5	62.3	68.0	67.1	3,567	39,835	6.39
Cash tenants.....	109	33.8	2.4	2.3	2.3	98	47,173	4.99	5.07	...	...	...	...	...	...	...	...
All share tenants.....	1,365	22.3	30.6	28.7	29.0	95	494,065	4.09	4.33	132	0.6	37.7	32.0	32.9	3,420	17,031	5.58
Other tenants.....	62	26.4	1.4	1.6	1.5	102	28,196	4.54	4.43	...	...	...	...	...	...	...	...
Area 4.....	3,451	10.8	100.0	100.0	100.0	119	1,311,580	5.32	4.49	377	0.4	100.0	100.0	100.0	3,761	65,167	7.77
Owners, part owners, and managers..	2,329	11.1	67.5	70.5	71.1	118	952,800	5.44	4.62	247	0.4	65.5	70.3	72.9	3,628	48,177	7.88
Cash tenants.....	25	13.7	0.7	0.5	0.5	102	6,310	4.73	4.64	...	...	...	...	...	...	...	...
All share tenants.....	1,047	9.8	30.3	27.6	27.2	120	336,110	5.02	4.16	125	0.3	33.2	28.4	25.9	4,124	16,190	7.46
Other tenants.....	50	14.7	1.4	1.4	1.2	139	16,360	5.69	4.03	5	0.5	1.3	1.3	1.3	4,000	800	7.62
Area 5.....	7,358	26.7	100.0	100.0	100.0	121	2,672,963	4.96	4.09	1,071	1.3	100.0	100.0	100.0	3,732	158,680	5.81
Owners, part owners, and managers..	5,365	26.4	72.9	73.7	71.3	125	1,441,358	5.05	4.03	824	1.4	76.9	76.4	76.9	3,705	119,248	5.68
Cash tenants.....	239	22.6	3.2	2.5	2.5	121	64,985	4.84	4.01	21	0.6	2.0	1.5	1.3	4,443	1,975	5.76
All share tenants.....	1,654	28.4	22.5	22.7	25.1	109	635,209	4.69	4.29	215	1.2	20.1	21.6	21.3	3,785	34,747	5.98
Other tenants.....	100	20.4	1.4	1.2	1.1	128	31,411	5.30	4.13	11	0.5	1.0	0.5	0.5	3,862	2,710	18.49
Areas 6 and B.....	8,237	29.8	100.0	100.0	100.0	144	3,471,571	6.10	4.24	1,570	2.0	100.0	100.0	100.0	4,027	229,870	5.96
Owners, part owners, and managers..	6,017	30.3	73.0	74.5	73.1	147	2,544,624	6.12	4.17	1,216	2.2	77.5	76.3	77.5	3,965	178,678	5.98
Cash tenants.....	151	36.0	1.8	2.0	1.8	165	64,945	6.47	3.93	6	0.9	0.4	0.6	0.6	4,017	1,440	6.03
All share tenants.....	1,959	28.3	23.8	22.3	23.8	135	818,932	6.05	4.48	308	1.4	19.6	20.3	17.8	4,573	44,287	6.44
Other tenants.....	110	26.8	1.3	1.1	1.4	119	43,070	5.43	4.58	40	5.3	2.5	2.9	4.1	2,813	5,465	3.47
Area 7a.....	7,818	32.9	100.0	100.0	100.0	139	2,972,896	5.59	4.03	1,765	2.7	100.0	100.0	100.0	4,079	232,231	5.28
Owners, part owners, and managers..	6,112	33.6	78.2	80.7	80.1	140	2,403,383	5.64	4.03	1,495	3.1	84.7	86.7	88.4	3,999	199,596	5.13
Cash tenants.....	115	26.7	1.5	1.0	1.0	136	26,445	4.84	3.55	15	1.5	0.8	0.7	0.7	3,774	1,425	4.60
All share tenants.....	1,479	31.0	18.9	17.0	17.6	134	503,791	5.39	4.01	235	1.4	13.3	11.4	9.9	4,724	27,600	6.34
Other tenants.....	112	30.2	1.4	1.3	1.4	135	39,277	5.46	4.06	20	1.9	1.1	1.2	1.0	5,045	3,610	8.20
Area 7b.....	5,847	46.7	100.0	100.0	100.0	130	2,618,652	4.80	3.68	1,186	2.5	100.0	100.0	100.0	4,506	173,593	5.83
Owners, part owners, and managers..	4,356	46.8	74.5	75.4	73.6	134	1,946,606	4.84	3.63	935	2.8	78.8	81.8	79.9	4,610	135,323	5.68
Cash tenants.....	75	35.1	1.3	0.6	0.6	143	16,270	5.18	3.63	10	1.8	0.8	0.6	0.6	5,030	1,360	8.24
All share tenants.....	1,325	47.4	22.7	22.7	24.4	121	624,733	4.68	3.87	221	1.8	18.6	15.6	17.5	4,017	27,610	5.30
Other tenants.....																	

USE OF FERTILIZER AND LIME

Table 5.—USE AND EXPENDITURES FOR FERTILIZER AND LIME OF COMMERCIAL FARMS BY TENURE OF FARM OPERATOR, BY ECONOMIC AREAS: CENSUS OF 1954—Continued

State, economic area, and tenure of operator	Fertilizer							Lime									
	Farms reporting use of fertilizer	Acres fertilized as a percent of total cropland plus improved pasture	Percent distribution of—			Quantity used per acre fertilized (lb.)	Expenditures (dollars)			Farms reporting use of lime	Acres limed as a percent of total cropland plus improved pasture	Percent distribution of—			Expenditures (dollars)		
			Farms reporting fertilizer	Fertilizer used	Acres fertilized		For fertilizer	Per acre fertilized	Per cent. of fertilizer used			Farms reporting lime	Lime used	Acres limed	For lime	Per acre limed	
Kentucky, total.....	107,617	27.7	100.0	100.0	100.0	407	25,598,119	10.10	2.49	23,656	5.9	100.0	100.0	100.0	3,683	2,828,327	5.22
Owners, part owners, and managers..	82,446	27.3	76.6	77.3	80.7	389	19,689,700	9.63	2.47	20,626	6.3	87.2	87.1	86.8	3,697	2,450,231	5.21
Cash tenants.....	314	21.3	0.3	0.3	0.3	323	72,185	8.91	2.76	34	3.2	0.1	0.2	0.2	3,541	4,692	3.86
All share tenants.....	12,537	26.7	11.6	12.9	11.4	460	3,369,321	11.64	2.53	1,964	4.7	8.3	8.9	9.3	3,524	270,469	5.36
Croppers.....	9,638	38.7	9.0	7.3	5.3	556	1,874,740	13.96	2.51	630	3.2	2.7	2.2	2.1	3,918	55,235	4.96
Other tenants.....	2,682	28.4	2.5	2.3	2.2	414	592,173	10.50	2.54	402	4.4	1.7	1.6	1.6	3,561	47,700	5.41
Area 1.....	6,101	32.1	100.0	100.0	100.0	247	1,441,829	6.42	2.60	2,438	7.9	100.0	100.0	100.0	3,357	325,211	5.87
Owners, part owners, and managers..	5,202	33.0	85.3	88.4	87.6	250	1,275,839	6.49	2.60	2,267	8.6	93.0	92.2	92.6	3,343	300,366	5.86
Cash tenants.....	15	16.1	0.2	0.1	0.1	204	1,340	4.87	2.39	...	...	...	...	...	...	...	...
All share tenants.....	453	25.0	7.4	6.6	7.4	220	93,650	5.61	2.56	106	4.5	4.3	5.7	5.4	3,550	17,960	6.03
Croppers.....	276	28.6	4.5	3.0	2.8	268	42,580	6.76	2.52	5	0.3	0.2	0.2	0.1	4,000	600	8.57
Other tenants.....	155	35.9	2.5	1.8	2.1	218	28,420	6.10	2.80	60	8.0	2.5	1.9	1.9	3,413	6,285	6.04
Area 2.....	4,726	34.4	100.0	100.0	100.0	259	1,519,180	6.44	2.49	1,374	5.6	100.0	100.0	100.0	3,445	217,230	5.65
Owners, part owners, and managers..	3,493	33.6	73.9	74.9	72.9	266	1,154,230	6.71	2.52	1,092	5.9	79.5	78.8	78.4	3,465	178,645	5.93
Cash tenants.....	25	26.4	0.5	0.7	0.6	274	8,970	6.08	2.22	5	4.5	0.4	0.8	0.7	4,000	600	2.40
All share tenants.....	721	38.0	15.3	17.3	19.6	228	247,445	5.35	2.34	202	4.8	14.7	14.3	15.1	3,259	25,165	4.34
Croppers.....	332	33.2	7.0	3.7	3.3	292	56,960	7.36	2.52	25	2.4	1.8	1.6	1.4	3,766	3,440	6.20
Other tenants.....	155	37.3	3.3	3.4	3.6	241	51,575	6.03	2.50	50	7.4	3.6	4.6	4.4	3,537	9,380	5.50
Area 3a.....	10,064	31.9	100.0	100.0	100.0	302	2,468,341	7.06	2.34	2,893	7.4	100.0	100.0	100.0	3,570	422,905	5.22
Owners, part owners, and managers..	8,934	31.8	88.8	89.8	89.4	303	2,210,934	7.07	2.33	2,737	7.6	94.6	93.4	92.3	3,613	395,088	5.29
Cash tenants.....	15	16.0	0.1	0.1	0.1	564	3,840	13.71	2.43	...	...	...	...	...	...	...	...
All share tenants.....	549	31.5	5.5	5.2	6.4	247	136,737	6.15	2.49	76	6.0	2.6	4.6	5.2	3,137	19,122	4.52
Croppers.....	365	42.3	3.6	3.4	2.7	384	80,530	8.52	2.42	45	6.6	1.6	1.6	1.8	3,064	5,980	4.03
Other tenants.....	201	31.5	2.0	1.4	1.4	291	36,300	7.33	2.52	35	3.5	1.2	0.5	0.7	2,440	2,715	4.98
Area 3b.....	8,637	34.0	100.0	100.0	100.0	390	2,171,533	9.10	2.33	1,690	4.9	100.0	100.0	100.0	4,193	194,251	5.61
Owners, part owners, and managers..	7,002	33.3	81.1	82.7	84.2	383	1,790,963	8.91	2.32	1,495	5.0	88.5	88.5	86.5	4,288	174,566	5.83
Cash tenants.....	5	27.3	0.1	(2)	(2)	160	215	2.87	1.79	...	...	...	...	...	...	...	...
All share tenants.....	690	35.7	8.0	8.1	8.2	382	176,675	9.00	2.35	110	6.1	6.5	7.0	9.7	3,036	13,030	3.90
Croppers.....	735	46.9	8.5	6.8	5.2	511	151,075	12.21	2.39	55	3.0	3.3	2.9	2.3	5,321	3,875	4.97
Other tenants.....	205	34.0	2.4	2.4	2.3	409	52,605	9.45	2.31	30	3.3	1.8	1.7	1.6	4,463	2,780	5.15
Area 4.....	11,940	40.9	100.0	100.0	100.0	339	3,784,519	7.90	2.33	3,404	8.4	100.0	100.0	100.0	3,873	402,988	4.08
Owners, part owners, and managers..	8,513	39.0	71.3	76.6	76.6	339	2,923,274	7.96	2.35	2,838	8.8	83.4	84.5	83.3	3,932	334,573	4.06
Cash tenants.....	11	47.4	0.1	0.2	0.2	400	8,725	9.97	2.49	1	16.3	(2)	0.3	0.3	4,000	1,200	4.00
All share tenants.....	1,291	45.3	10.8	11.9	12.8	315	431,020	7.02	2.23	375	8.4	11.0	10.5	11.6	3,511	46,390	4.06
Croppers.....	1,770	57.9	14.8	9.2	8.1	383	346,780	8.90	2.33	140	5.5	4.1	3.6	3.7	3,728	15,705	4.28
Other tenants.....	355	39.2	3.0	2.0	2.3	305	74,720	6.86	2.25	50	4.1	1.5	1.1	1.2	3,675	5,120	4.49
Area 5.....	17,071	33.9	100.0	100.0	100.0	402	3,320,429	9.68	2.41	2,986	4.7	100.0	100.0	100.0	4,039	273,415	5.73
Owners, part owners, and managers..	14,324	33.4	83.9	84.6	85.4	398	2,813,012	9.60	2.41	2,771	5.0	92.8	92.7	92.7	4,035	262,420	5.70
Cash tenants.....	10	9.3	0.1	(2)	(2)	600	725	9.06	1.51	...	...	...	...	...	...	...	...
All share tenants.....	1,077	30.4	6.3	6.6	6.2	424	217,282	10.15	2.40	100	2.3	3.3	3.7	3.3	4,439	11,400	7.15
Croppers.....	1,310	47.5	7.7	6.9	6.4	434	229,040	10.40	2.40	85	2.6	2.8	2.4	2.6	3,796	6,090	4.97
Other tenants.....	350	37.5	2.1	1.9	1.9	399	60,370	9.42	2.36	30	3.8	1.0	1.3	1.4	3,767	3,505	5.43
Areas 6, A, and B.....	27,145	17.3	100.0	100.0	100.0	632	6,451,376	16.67	2.64	4,939	4.9	100.0	100.0	100.0	3,595	594,201	5.42
Owners, part owners, and managers..	18,301	16.6	67.4	67.6	72.8	587	4,339,305	15.41	2.62	3,926	5.3	79.5	81.2	82.3	3,549	459,146	5.09
Cash tenants.....	115	20.1	0.4	0.3	0.5	429	27,750	13.94	3.25	15	2.9	0.3	0.3	0.3	3,614	1,370	4.81
All share tenants.....	4,783	17.8	17.6	19.6	17.6	704	1,878,902	18.79	2.67	723	4.1	14.6	14.7	14.2	3,721	111,205	7.12
Croppers.....	3,215	26.2	11.8	9.7	6.3	980	624,690	25.76	2.63	190	2.3	3.8	2.3	1.9	4,338	12,585	6.08
Other tenants.....	731	20.8	2.7	2.8	2.9	609	180,729	16.24	2.67	85	2.7	1.7	1.5	1.3	4,007	9,895	6.75
Area 7.....	8,603	16.5	100.0	100.0	100.0	685	2,621,182	18.88	2.76	1,419	4.2	100.0	100.0	100.0	3,772	187,247	5.30
Owners, part owners, and managers..	4,872	15.3	56.6	59.3	70.6	575	1,573,122	16.04	2.79	1,126	4.5	79.4	81.8	81.1	3,805	156,457	5.46
Cash tenants.....	46	22.6	0.5	0.7	2.1	220	17,875	6.28	2.86	6	2.2	0.4	0.6	0.8	2,727	1,015	3.69
All share tenants.....	2,102	19.3	24.4	25.9	18.8	945	657,420	25.25	2.67	191	3.3	13.5	12.4	12.6	3,710	20,770	4.66
Croppers.....	1,245	31.0	14.5	10.9	6.5	1,147	284,880	31.67	2.76	55	2.8	3.9	2.2	2.3	3,714	4,070	5.06
Other tenants.....	338	12.3	3.9	3.3	2.1	1,094	87,885	30.61	2.80	41	4.9	2.9	3.0	3.2	3,480	4,935	4.35
Areas 8 and C.....	11,664	20.0	100.0	100.0	100.0	562	1,661,882	13.74	2.45	1,984	5.1	100.0	100.0	100.0	3,570	161,568	5.26
Owners, part owners, and managers..	10,313	20.1	88.4	89.0	90.0	555	1,466,988	13.47	2.43	1,872	5.4	94.4	95.9	95.9	3,572	154,924	5.26
Cash tenants.....	51	6.8	0.4	0.1	0.1	652	2,190	16.22	2.49	6	5.3	0.3	0.3	0.3	3,038	482	4.63
All share tenants.....	789	18.8	6.8	6.9	5.8	672	121,875	17.46	2.60	66	1.8	3.3	1.7	2.2	2,746	3,047	4.58
Croppers.....	350	24.4	3.0	3.0	3.2	528	53,730	13.72	2.60	30	2.9	1.5	2.0	1.5	4,774	2,890	6.22
Other tenants.....	161	14.6	1.4	0.9	0.8	606	17,099	16.65	2.75	10	0.6	0.5	0.1	0.1	3,250	225	5.62
Area 9.....	1,666	14.9	100.0	100.0	100.0	435	157,848	10.02	2.30	529	9.3	100.0	100.0	100.0	2,975	49,311	5.01
Owners, part owners, and managers..	1,492	15.5	89.6	88.9	90.2	429	142,033	10.00	2.33	502	3.7	94.9	90.6	90.8	2,968	44,046	4.92
Cash tenants.....	21	4.4	1.3	0.4	0.4	348	555	8.64	3.31	1	0.1	0.2	(2)	(2)	5,000	25	12.50
All share tenants.....	82	9.1	4.9	6.0	5.2	501	8,315	10.15	2.03	15	3.8	2.8	4.				

USE OF FERTILIZER AND LIME

Table 5.—USE AND EXPENDITURES FOR FERTILIZER AND LIME OF COMMERCIAL FARMS BY TENURE OF FARM OPERATOR, BY ECONOMIC AREAS: CENSUS OF 1954—Continued

State, economic area, and tenure of operator	Farms reporting use of fertilizer	Acres fertilized as a percent of total cropland plus improved pasture	Percent distribution of—			Quantity used per acre fertilized (lb.)	Expenditures (dollars)			Farms reporting use of lime	Acres limed as a percent of total cropland plus improved pasture	Percent distribution of—			Quantity used per acre limed (lb.)	Expenditures (dollars)	
			Farms reporting fertilizer	Fertilizer used	Acres fertilized		For fertilizer	Per acre fertilized	Per cwt. of fertilizer used			Farms reporting lime	Lime used	Acres limed		For lime	Per acre limed
Maine—Continued																	
Area 4 and A.....	1,555	12.4	100.0	100.0	100.0	609	528,228	17.58	2.89	674	3.5	100.0	100.0	100.0	2,353	48,998	5.77
Owners, part owners, and managers..	1,530	12.4	98.4	99.4	99.3	610	525,813	17.62	2.89	669	3.5	99.3	99.7	99.4	2,361	48,908	5.79
Cash tenants.....	5	33.3	0.3	(2)	(2)	800	100	20.00	2.50	5	4.2	0.7	0.3	0.6	1,000	90	1.80
All share tenants.....	20	17.4	1.3	0.5	0.7	488	2,315	11.29	2.32	5	4.2	0.7	0.3	0.6	1,000	90	1.80
Other tenants.....																	
Maryland, total.....	19,537	54.8	100.0	100.0	100.0	445	12,371,019	10.81	2.43	8,044	10.6	100.0	100.0	100.0	1,887	1,770,701	8.01
Owners, part owners, and managers..	15,373	54.0	78.7	79.2	77.2	456	9,776,090	11.07	2.43	6,705	10.9	83.4	81.2	80.9	1,893	1,449,796	8.10
Cash tenants.....	646	53.9	3.3	4.1	3.6	500	487,370	11.79	2.36	231	11.6	2.9	3.6	4.0	1,665	57,640	6.46
All share tenants.....	2,318	59.8	11.9	12.9	15.4	370	1,588,832	8.99	2.43	877	9.4	10.9	13.0	12.5	1,958	215,125	7.76
Croppers.....	855	52.8	4.4	2.5	2.1	522	339,257	14.07	2.69	146	5.9	1.8	0.9	1.2	1,332	23,530	8.68
Other tenants.....	340	55.0	1.7	1.4	1.6	397	179,470	9.74	2.45	85	8.4	1.1	1.3	1.3	1,996	24,610	8.74
Area 1.....																	
Owners, part owners, and managers..	900	30.4	95.1	95.7	95.1	361	224,897	8.94	2.48	444	8.7	94.7	93.1	96.9	3,008	59,388	8.29
Cash tenants.....	15	43.1	1.6	1.6	1.6	357	4,675	11.13	3.12	10	7.2	2.1	1.1	0.9	3,714	740	10.57
All share tenants.....	20	44.9	2.1	1.8	2.3	279	3,725	6.26	2.24	15	12.1	3.2	5.7	2.2	8,312	1,575	9.84
Croppers.....	6	42.1	0.6	0.5	0.6	293	1,755	10.70	3.66	...	...	...	...	...	...	...	...
Other tenants.....	5	27.7	0.5	0.5	0.4	383	1,080	9.39	2.45	...	...	...	...	...	...	...	...
Area 2.....																	
Owners, part owners, and managers..	4,877	53.1	82.9	83.5	81.4	382	2,437,884	8.76	2.29	2,230	10.6	85.8	85.5	86.4	2,190	453,931	8.19
Cash tenants.....	470	50.4	8.0	7.4	8.1	342	226,350	8.22	2.40	160	7.3	6.2	6.2	6.2	2,215	33,630	8.41
All share tenants.....	410	55.7	7.0	7.3	8.7	315	204,020	6.88	2.19	175	7.6	6.7	7.3	6.3	2,566	33,080	8.21
Croppers.....	55	43.3	0.9	1.0	1.0	386	25,955	7.68	1.99	15	3.1	0.6	0.2	0.4	1,265	1,695	6.92
Other tenants.....	70	44.7	1.2	0.8	0.8	351	23,545	8.19	2.34	20	7.3	0.8	0.8	0.7	2,319	5,000	10.64
Areas A and B.....																	
Owners, part owners, and managers..	3,016	43.9	78.4	83.2	83.4	514	1,655,555	12.56	2.45	1,370	13.2	84.8	91.3	90.2	1,721	275,395	6.98
Cash tenants.....	85	58.4	2.2	3.5	3.8	471	64,310	10.62	2.26	20	3.8	1.2	0.6	0.9	1,231	1,830	4.69
All share tenants.....	345	35.3	9.0	7.0	7.0	520	139,605	12.70	2.44	125	7.3	7.7	4.9	5.2	1,576	18,540	8.10
Croppers.....	285	36.1	7.4	3.9	3.0	660	81,750	17.19	2.60	70	6.8	4.3	1.8	2.1	1,467	9,820	10.91
Other tenants.....	115	50.0	3.0	2.4	2.8	432	46,720	10.51	2.43	30	7.7	1.9	1.4	1.6	1,533	5,385	7.86
Area 3.....																	
Owners, part owners, and managers..	1,874	43.3	64.6	70.7	67.8	597	761,633	15.13	2.54	535	7.1	82.3	84.1	81.8	1,904	84,270	10.27
Cash tenants.....	5	51.2	0.2	0.2	0.3	312	1,900	9.27	2.97	...	...	...	...	...	...	...	...
All share tenants.....	540	46.2	18.6	18.6	22.0	484	203,635	12.47	2.58	90	3.5	13.8	12.6	12.5	1,880	10,495	8.40
Croppers.....	421	53.9	14.5	9.5	8.6	637	97,830	15.40	2.42	25	4.8	3.8	3.3	5.7	1,070	4,610	8.09
Other tenants.....	60	28.0	2.1	1.0	1.4	413	11,710	11.26	2.72	...	...	...	...	...	...	...	...
Area 4a.....																	
Owners, part owners, and managers..	2,257	63.6	69.6	71.7	66.6	448	2,462,484	10.92	2.44	1,089	10.5	70.9	65.3	65.1	1,883	331,782	8.89
Cash tenants.....	35	68.9	1.1	1.1	0.9	505	47,505	16.05	3.18	25	41.6	1.6	2.4	3.1	1,473	9,520	5.33
All share tenants.....	813	65.5	25.1	23.9	28.9	344	811,428	8.29	2.41	367	10.9	23.9	28.8	28.4	1,898	121,950	7.47
Croppers.....	71	71.4	2.2	1.7	1.9	380	94,577	14.69	3.87	30	7.5	2.0	1.0	1.2	1,556	6,305	9.34
Other tenants.....	65	54.5	2.0	1.6	1.7	373	53,575	9.09	2.44	25	11.7	1.6	2.5	2.2	2,166	10,625	8.40
Area 4b.....																	
Owners, part owners, and managers..	2,454	66.5	90.2	82.6	84.2	513	2,233,637	12.95	2.52	1,037	12.1	88.3	81.8	81.6	1,340	245,030	7.83
Cash tenants.....	36	68.9	1.3	6.2	2.0	1,606	142,630	34.30	2.14	16	44.3	1.4	5.1	7.0	980	11,920	4.46
All share tenants.....	190	84.6	7.0	8.1	10.3	409	226,419	10.69	2.61	105	14.6	8.9	11.0	9.6	1,544	29,485	8.05
Croppers.....	17	87.2	0.6	1.5	1.5	534	37,390	12.35	2.31	6	9.2	0.5	0.6	0.8	1,000	1,100	3.44
Other tenants.....	25	124.5	0.9	1.6	2.0	423	42,840	10.55	2.50	10	12.1	0.9	1.4	1.0	1,873	3,600	9.11
Massachusetts, total.....																	
Owners, part owners, and managers..	5,937	31.9	97.4	97.5	96.7	703	3,123,394	21.64	3.08	2,295	6.2	97.7	98.2	97.8	2,344	243,557	8.67
Cash tenants.....	80	28.4	1.3	0.9	1.6	376	25,475	10.44	2.78	35	4.2	1.5	0.8	1.3	1,534	1,655	4.53
All share tenants.....	25	83.7	0.4	0.9	0.9	685	27,110	20.31	2.97	10	11.0	0.4	0.7	0.6	2,743	2,020	11.54
Other tenants.....	55	48.3	0.9	0.8	0.7	715	21,295	19.27	2.70	10	3.7	0.4	0.2	0.3	1,765	900	10.59
Area 1.....																	
Owners, part owners, and managers..	978	22.3	100.0	100.0	100.0	807	593,335	25.10	3.11	328	3.6	100.0	100.0	100.0	2,661	22,468	5.96
Cash tenants.....	958	22.3	98.0	99.2	98.5	813	588,705	25.28	3.11	328	3.6	100.0	100.0	100.0	2,661	22,468	5.96
All share tenants.....	20	25.8	2.0	0.8	1.5	423	4,630	13.23	3.13	...	...	...	...	...	...	...	...
Other tenants.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Area A.....																	
Owners, part owners, and managers..	1,376	43.1	100.0	100.0	100.0	1,016	1,244,829	34.47	3.39	562	9.3	100.0	100.0	100.0	2,311	69,535	8.92
Cash tenants.....	1,336	42.3	97.1	97.1	95.8	1,030	1,213,514	35.08	3.41	542	9.2	96.4	96.6	97.0	2,303	66,795	8.84
All share tenants.....	10	44.1	0.7	0.3	0.8	333	3,125	10.42	3.13	5	1.5	0.9	0.2	0.1	3,000	120	12.00
Other tenants.....	15	90.9	1.1	2.0	3.0	685	21,230	19.39	2.83	10	14.5	1.8	2.7	2.2	2,743	2,020	11.54
Other tenants.....	15	100.0	1.1	0.5	0.3	1,667	6,960	58.00	3.48	5	41.7	0.9	0.6	0.6	2,000	600	12.00
Area B.....																	
Owners, part owners, and managers..	933	27.3	98.9	99.5	99.3	462	370,980	12.89	2.79	455	4.7	98.9	99.0	99.6	2,674	53,951	11.02
Cash tenants.....	5	7.5	0.5	0.4	0.4	400	2,250	18.00	4.50	5	1.2	1.1	1.0	0.4	6,500	650	32.50
All share tenants.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Other tenants.....	5	24.1	0.5	0.1	0.2	286	600	8.57	3.00	...	...	...	...	...	...	...

2 Less than 0.05.

USE OF FERTILIZER AND LIME

259

**Table 5.—USE AND EXPENDITURES FOR FERTILIZER AND LIME OF COMMERCIAL FARMS BY TENURE OF FARM OPERATOR,
BY ECONOMIC AREAS: CENSUS OF 1954—Continued**

State, economic area, and tenure of operator	Fertilizer										Lime							
	Farms report- ing use of fertil- izer	Acres fertil- ized as a percent of total cropland plus improved pasture	Percent distribution of—			Quantity used per acre fertil- ized (lb.)	Expenditures dollars			Farms report- ing use of lime	Acres limed as a percent of total cropland plus improved pasture	Percent distribution of—			Expenditures dollars			
			Farms re- port- ing fertil- izer	Fertil- izer used	Acres fertil- ized		Per fertilizer	Per acre fertil- ized	Per cent. of fertil- izer used			Farms re- port- ing lime	Lime used	Acres limed	Quantity used per acre limed (lb.)	Per lime	Per acre limed	
Massachusetts—Continued																		
Area C.....	1,538	34.4	100.0	100.0	100.0	611	577,730	17.44	2.86	577	7.3	100.0	100.0	100.0	1,800	57,107	8.10	
Owners, part owners, and managers..	1,473	34.5	95.8	95.2	95.6	609	550,865	17.45	2.87	557	7.3	96.5	97.1	95.3	1,833	56,242	8.37	
Cash tenants.....	30	19.5	2.0	1.5	1.6	582	8,325	16.17	2.78	15	11.2	2.6	2.5	4.2	1,085	565	1.92	
All share tenants.....	10	61.4	0.7	0.8	0.7	683	5,880	24.50	3.59	...	...	...	...	...	...	...	...
Other tenants.....	25	50.0	1.6	2.5	2.1	704	12,600	17.83	2.53	5	2.5	0.9	0.4	0.5	1,429	300	8.57	
Areas 2, D, and E.....																		
Area C.....	1,262	37.8	100.0	100.0	100.0	536	407,550	14.86	2.77	423	7.1	100.0	100.0	100.0	2,521	44,421	8.59	
Owners, part owners, and managers..	1,237	37.4	98.0	97.3	97.1	529	399,330	15.31	2.79	413	7.3	97.6	99.4	99.2	2,525	44,101	8.60	
Cash tenants.....	15	50.9	1.2	2.2	4.2	278	7,145	6.21	2.23	10	1.2	2.4	0.6	0.8	2,000	320	8.00	
All share tenants.....
Other tenants.....	10	45.1	0.8	0.5	0.7	341	1,075	5.24	1.54	...	...	...	...	...	...	...	...
Michigan, total.....																		
Area C.....	81,041	44.4	100.0	100.0	100.0	250	31,163,156	7.26	2.90	12,078	2.2	100.0	100.0	100.0	3,943	1,437,722	6.85	
Owners, part owners, and managers..	73,286	43.6	90.4	88.7	87.4	254	27,705,632	7.38	2.91	11,131	2.2	92.2	90.1	90.9	3,908	1,302,058	6.82	
Cash tenants.....	1,134	48.4	1.4	1.5	1.4	266	453,871	7.57	2.85	110	1.4	0.9	0.8	0.9	3,772	11,455	6.38	
All share tenants.....	5,879	52.0	7.3	4.0	10.3	218	2,747,077	6.19	2.84	751	1.9	6.2	8.5	7.7	4,781	114,759	7.12	
Other tenants.....	782	40.6	1.0	0.8	0.9	246	256,576	6.96	2.83	86	1.3	0.7	0.5	0.5	3,902	9,454	8.29	
Area 1.....																		
Area C.....	912	10.5	100.0	100.0	100.0	343	153,075	9.34	2.73	352	2.6	100.0	100.0	100.0	4,874	24,870	6.10	
Owners, part owners, and managers..	866	9.9	95.0	93.6	91.1	352	143,583	9.61	2.73	342	2.7	97.2	96.0	98.2	4,765	24,220	6.06	
Cash tenants.....	35	28.4	3.8	4.7	7.3	220	6,890	5.74	2.61	5	1.4	1.4	3.0	1.5	10,000	375	6.25	
All share tenants.....	6	21.9	0.7	1.4	1.2	396	2,092	10.90	2.75	...	...	...	...	...	...	...	...
Other tenants.....	5	9.4	0.5	0.4	0.4	333	510	8.50	2.55	5	2.4	1.4	1.0	0.4	13,333	275	18.33	
Area 2.....																		
Area C.....	1,722	15.9	100.0	100.0	100.0	270	365,417	7.57	2.80	113	0.5	100.0	100.0	100.0	2,422	5,892	4.04	
Owners, part owners, and managers..	1,702	16.1	98.8	99.3	99.4	270	363,077	7.57	2.80	113	0.5	100.0	100.0	100.0	2,422	5,892	4.04	
Cash tenants.....	10	5.3	0.6	0.3	0.3	267	1,215	8.10	3.04	...	...	...	...	...	...	...	...
All share tenants.....
Other tenants.....	10	8.0	0.6	0.4	0.3	329	1,125	8.04	2.46	...	...	...	...	...	...	...	...
Area 3.....																		
Area C.....	3,165	30.1	100.0	100.0	100.0	281	998,618	9.57	3.40	620	2.5	100.0	100.0	100.0	3,827	57,200	6.51	
Owners, part owners, and managers..	3,079	30.2	97.3	97.6	97.0	283	974,313	9.63	3.40	605	2.6	97.6	97.5	97.4	3,831	55,850	6.53	
Cash tenants.....	11	31.2	0.3	0.5	0.7	211	4,165	5.95	2.81	5	6.7	0.8	1.8	1.7	4,000	735	4.90	
All share tenants.....	70	28.4	2.2	1.9	2.3	228	19,960	8.28	3.63	10	0.9	1.6	0.7	0.9	3,125	615	7.69	
Other tenants.....	5	5.6	0.2	(C)	0.1	123	180	2.77	2.25	...	...	...	...	...	...	...	...
Area 4a.....																		
Area C.....	4,576	22.2	100.0	100.0	100.0	284	1,255,456	8.47	2.98	1,171	2.6	100.0	100.0	100.0	3,480	36,264	5.46	
Owners, part owners, and managers..	4,384	22.0	95.8	96.2	95.1	287	1,203,821	8.54	2.97	1,125	2.7	96.1	97.3	96.8	3,498	90,979	5.33	
Cash tenants.....	55	29.0	1.2	1.0	1.2	239	14,770	8.25	3.45	10	2.3	0.9	0.7	0.8	2,857	950	6.79	
All share tenants.....	92	27.5	2.0	2.2	2.9	110	28,665	6.60	3.34	31	2.4	2.6	1.9	2.1	3,094	4,210	11.29	
Other tenants.....	45	25.5	1.0	0.6	0.7	244	8,200	7.70	3.15	5	1.2	0.4	0.2	0.3	2,000	125	2.50	
Area 4b.....																		
Area C.....	3,396	20.7	100.0	100.0	100.0	241	717,916	6.57	2.73	351	1.1	100.0	100.0	100.0	3,547	38,687	6.41	
Owners, part owners, and managers..	3,213	20.5	94.6	94.2	93.2	244	679,719	6.68	2.74	335	1.1	95.4	92.1	92.3	3,540	36,393	6.54	
Cash tenants.....	37	19.1	1.1	0.9	1.0	209	6,121	5.61	2.68	...	...	...	...	...	...	...	...
All share tenants.....	115	27.1	3.4	4.4	5.3	199	28,085	4.87	2.45	10	1.4	2.8	5.7	6.6	3,600	1,985	4.96	
Other tenants.....	31	21.3	0.9	0.6	0.6	266	3,991	6.56	2.46	6	2.3	1.7	1.2	1.1	3,315	309	4.75	
Areas 5a and A.....																		
Area C.....	10,189	53.5	100.0	100.0	100.0	248	4,093,703	6.92	2.79	635	0.9	100.0	100.0	100.0	3,076	61,400	6.07	
Owners, part owners, and managers..	9,112	53.2	89.4	88.8	87.2	252	3,630,543	7.04	2.79	580	0.9	91.3	91.5	87.8	3,205	54,875	6.12	
Cash tenants.....	95	58.9	0.9	0.7	0.7	260	31,315	7.45	2.87	...	...	...	...	...	...	...	...
All share tenants.....	887	55.5	8.7	9.3	11.1	208	393,695	6.00	2.88	50	1.0	7.9	7.7	11.6	2,051	6,770	5.71	
Other tenants.....	95	48.2	0.9	1.2	1.0	291	38,150	6.47	2.22	5	0.5	0.8	0.8	0.6	4,000	255	4.25	
Area 5b.....																		
Area C.....	9,118	54.2	100.0	100.0	100.0	239	4,386,903	6.90	2.89	281	0.4	100.0	100.0	100.0	3,274	26,795	6.96	
Owners, part owners, and managers..	9,083	57.2	83.4	87.3	86.8	241	3,816,988	6.92	2.88	266	0.4	94.7	94.1	94.4	3,263	26,835	6.86	
Cash tenants.....	85	53.7	0.9	0.6	0.7	228	25,410	6.13	2.69	5	1.2	1.8	0.1	2.2	2,222	50	0.56	
All share tenants.....	865	67.7	9.5	11.4	11.8	231	518,060	6.89	2.99	10	0.1	3.6	5.7	3.4	5,714	1,910	13.64	
Other tenants.....	85	48.1	0.9	0.6	0.7	197	26,445	5.56	2.83	...	...	...	...	...	...	...	...
Areas 5c, B, and C.....																		
Area C.....	7,248	43.0	100.0	100.0	100.0	272	2,375,115	8.11	2.98	1,610	3.6	100.0	100.0	100.0	3,886	178,240	7.24	
Owners, part owners, and managers..	6,758	42.9	93.2	92.9	91.9	275	2,202,420	8.18	2.97	1,535	3.8	95.3	95.8	96.2	3,869	170,650	7.20	
Cash tenants.....	105	42.3	1.4	1.4	1.5	257	36,530	8.19	3.18	10	1.6	0.6	0.4	0.7	2,353	965	5.09	
All share tenants.....	295	47.3	3.8	4.5	5.4	229	105,190	6.71	2.93	40	1.5	2.5	2.6	2.0	5,111	3,930	7.94	
Other tenants.....	110	36.7	1.5	1.2	1.2	261	30,975	8.50	3.26	25	2.6	1.6	1.1	1.1	4,077	2,835	10.90	
Area 6b.....																		
Area C.....	4,817	55.2	100.0	100.0	100.0	336	2,220,300	10.88	3.24	1,103	4.5	100.0	100.0	100.0	3,969	131,454	7.83	
Owners, part owners, and managers..	4,557	55.5	94.6	94.2	92.1	343	2,096,615	11.16	3.25	1,018	4.6	92.3	93.5	93.4	3,974	123,274	7.27	
Cash tenants.....	40	56.1	0.8	0.9	0.7	452	18,050	13.52	2.99	15	6.9	1.4	1.3	1.0	5,152	1,035	6.27	
All share tenants.....	185	52.6	3.8	4.3	4.7	215	90,955	6.68	3.10	65	3.1	5.9	4.2	4.8	3,420	6,270	7.74	
Other tenants.....	35	46.5	0.7	0.6	0.6	378	14,680	12.66	3.35	5	6.4	0.5	1.1	0.8	5,185	875	6.47	

2 Less than 0.05.

USE OF FERTILIZER AND LIME

Table 5.—USE AND EXPENDITURES FOR FERTILIZER AND LIME OF COMMERCIAL FARMS BY TENURE OF FARM OPERATOR, BY ECONOMIC AREAS: CENSUS OF 1954—Continued

State, economic area, and tenure of operator	Fertilizer									Lime							
	Farms reporting use of fertilizer	Acres fertilized as a percent of total cropland plus improved pasture	Percent distribution of—		Quantity used per acre fertilized (lb.)	Expenditures (dollars)			Farms reporting use of lime	Acres limed as a percent of total cropland plus improved pasture	Percent distribution of—		Quantity used per acre limed (lb.)	Expenditures (dollars)			
			Farms reporting fertilizer	Acres fertilized		For fertilizer	Per acre fertilized	Per cent. of fertilizer used			Farms reporting lime	Lime used		Acres limed	For lime	Per acre limed	
Michigan—Continued																	
Areas 7, D, and E.....	14,540	46.9	100.0	100.0	100.0	227	5,558,842	6.50	2.87	2,088	2.0	100.0	100.0	100.0	3,420	271,941	7.32
Owners, part owners, and managers..	12,899	46.6	88.7	86.8	86.3	228	4,871,997	6.60	2.89	1,883	2.1	90.2	88.7	89.4	3,390	242,081	7.28
Cash tenants.....	170	44.2	1.2	1.1	1.0	254	62,185	7.33	2.89	20	1.6	1.0	1.3	0.8	5,377	3,065	10.05
All share tenants.....	1,321	50.2	9.1	11.1	11.6	216	570,880	5.74	2.66	175	1.7	8.4	9.6	9.3	3,543	25,050	7.25
Other tenants.....	150	43.8	1.0	1.0	1.0	217	53,780	6.09	2.81	10	0.8	0.5	0.4	0.4	3,375	1,745	10.91
Areas 8 and F.....	9,013	51.7	100.0	100.0	100.0	260	3,672,509	7.13	2.74	768	2.0	100.0	100.0	100.0	2,440	119,150	5.89
Owners, part owners, and managers..	7,974	51.4	88.5	86.0	85.7	261	3,170,169	7.18	2.76	703	2.2	91.5	90.0	91.7	2,395	111,200	6.00
Cash tenants.....	386	57.9	4.3	5.7	5.2	282	210,530	7.80	2.76	25	1.2	3.3	3.2	2.8	2,796	3,230	5.72
All share tenants.....	557	53.6	6.2	7.4	8.2	236	255,415	6.06	2.57	40	1.4	5.2	6.8	5.5	3,004	4,720	4.23
Other tenants.....	96	38.8	1.1	0.9	0.8	289	36,395	8.36	2.90	...	...	...	...	...	...	...	...
Area 9a.....	6,122	53.4	100.0	100.0	100.0	350	2,523,770	6.52	2.79	870	2.0	100.0	100.0	100.0	4,334	97,425	6.64
Owners, part owners, and managers..	5,201	53.1	85.0	82.8	82.2	235	2,088,890	6.57	2.79	770	2.2	88.5	87.6	89.0	4,271	85,170	6.53
Cash tenants.....	90	64.3	1.5	1.1	1.1	217	27,450	6.18	2.85	10	1.9	1.1	1.0	0.9	4,692	985	7.58
All share tenants.....	761	54.2	12.4	15.2	15.8	225	383,135	6.28	2.79	80	1.3	9.2	11.3	9.7	5,070	11,160	7.86
Other tenants.....	70	53.0	1.1	0.9	0.9	229	24,295	6.79	2.96	10	1.0	1.1	0.1	0.5	571	110	1.57
Areas 9b and G.....	6,223	43.8	100.0	100.0	100.0	240	2,841,532	7.35	3.06	2,116	5.0	100.0	100.0	100.0	5,438	325,864	7.36
Owners, part owners, and managers..	5,418	43.7	87.1	86.7	84.0	248	2,463,497	7.58	3.06	1,856	5.0	87.7	84.3	84.2	5,442	274,639	7.37
Cash tenants.....	35	46.6	0.2	0.3	0.3	320	9,240	9.24	2.89	5	0.9	0.2	(Z)	(Z)	3,500	165	8.25
All share tenants.....	745	44.9	12.0	12.3	15.0	198	350,945	6.05	3.06	240	5.1	11.3	15.1	15.0	5,488	48,135	7.25
Other tenants.....	45	35.4	0.7	0.6	0.7	199	17,850	6.59	3.31	15	4.2	0.7	0.5	0.7	4,062	2,925	9.00
Minnesota, total.....	72,466	18.8	100.0	100.0	100.0	151	22,975,308	5.54	3.66	11,580	0.9	100.0	100.0	100.0	3,947	960,039	5.07
Owners, part owners, and managers..	56,644	19.2	78.2	77.7	77.7	151	17,882,337	5.55	3.67	10,003	0.9	86.4	82.5	83.2	3,911	793,483	5.03
Cash tenants.....	2,939	16.7	4.1	3.2	3.0	159	720,740	5.73	3.60	390	0.9	3.4	3.5	3.4	4,048	30,005	4.65
All share tenants.....	12,169	18.1	16.8	18.2	18.4	149	4,171,011	5.46	3.65	1,102	0.7	9.5	13.2	12.6	4,338	129,951	5.45
Other tenants.....	714	16.4	1.0	0.9	0.9	152	201,220	5.60	3.68	85	0.7	0.7	0.9	0.8	4,162	6,600	4.29
Area 1.....	8,310	26.4	100.0	100.0	100.0	93	4,066,388	3.66	3.93	34	(Z)	100.0	100.0	100.0	1,738	494	2.59
Owners, part owners, and managers..	7,339	26.6	88.3	88.3	88.2	93	3,594,384	3.67	3.93	34	(Z)	100.0	100.0	100.0	1,738	494	2.59
Cash tenants.....	92	25.1	1.1	1.0	0.7	120	40,920	4.93	4.11	...	...	...	...	...	...	...	...
All share tenants.....	835	24.6	10.0	10.1	10.5	90	407,659	3.50	3.90	...	...	...	...	...	...	...	...
Other tenants.....	44	22.3	0.5	0.6	0.6	99	23,425	3.60	3.64	...	...	...	...	...	...	...	...
Areas 2 and A.....	2,606	6.5	100.0	100.0	100.0	175	341,613	5.88	3.36	1,031	1.2	100.0	100.0	100.0	3,203	65,457	5.99
Owners, part owners, and managers..	2,540	6.5	97.5	97.6	96.9	177	333,078	5.92	3.35	1,021	1.3	99.0	99.1	99.3	3,198	65,012	5.99
Cash tenants.....	30	10.7	1.2	0.9	1.4	114	3,390	4.19	3.68	5	0.7	0.5	0.6	0.5	4,000	175	3.50
All share tenants.....	31	6.0	1.2	1.5	1.6	157	4,915	5.20	3.32	...	...	...	...	...	...	...	...
Other tenants.....	5	0.5	0.2	(Z)	(Z)	200	230	11.50	5.75	5	0.6	0.5	0.3	0.2	4,000	270	10.80
Area 3.....	4,891	10.1	100.0	100.0	100.0	126	756,639	4.42	3.52	185	0.1	100.0	100.0	100.0	2,268	14,615	6.12
Owners, part owners, and managers..	4,445	10.5	90.9	91.2	91.6	125	687,324	4.39	3.51	170	0.2	91.9	98.0	94.1	2,360	14,055	6.25
Cash tenants.....	105	6.6	2.1	1.6	1.5	130	11,145	4.31	3.32	5	(Z)	2.7	0.4	0.2	4,000	45	9.00
All share tenants.....	291	7.6	5.9	6.5	6.2	133	52,705	4.98	3.75	10	0.1	5.4	1.7	5.6	667	513	3.81
Other tenants.....	50	7.7	1.0	0.7	0.7	133	5,465	4.77	3.60	...	...	...	...	...	...	...	...
Area 4.....	7,494	19.9	100.0	100.0	100.0	161	1,198,858	5.73	3.55	2,457	2.5	100.0	100.0	100.0	3,349	118,996	4.60
Owners, part owners, and managers..	6,992	19.9	93.3	93.3	93.3	161	1,117,836	5.72	3.55	2,392	2.6	97.4	97.1	97.7	3,329	116,196	4.60
Cash tenants.....	195	16.0	2.6	1.8	2.0	151	23,290	5.68	3.76	25	0.8	1.0	1.2	0.8	5,000	1,575	7.88
All share tenants.....	237	23.3	3.2	3.1	3.8	135	37,102	4.72	3.51	30	0.8	1.2	1.1	1.1	3,309	805	2.93
Other tenants.....	70	24.4	0.9	1.7	1.0	284	20,630	10.37	3.64	10	1.4	0.4	0.6	0.4	4,870	420	3.65
Area 5.....	9,757	12.7	100.0	100.0	100.0	169	3,378,846	6.42	3.79	70	(Z)	100.0	100.0	100.0	2,419	2,550	4.86
Owners, part owners, and managers..	6,908	13.8	70.8	74.6	73.3	172	2,529,437	6.56	3.80	45	(Z)	64.3	67.7	63.8	2,567	1,610	4.81
Cash tenants.....	201	9.0	2.1	1.4	1.4	173	45,435	6.34	3.66	10	0.2	14.3	20.5	24.8	2,000	420	3.23
All share tenants.....	2,533	10.5	26.0	23.2	24.3	161	773,414	6.04	3.74	15	(Z)	21.4	11.8	11.4	2,500	520	8.67
Other tenants.....	115	11.4	1.2	0.9	1.0	152	30,560	5.86	3.86	...	...	...	...	...	...	...	...
Areas 6 and B.....	15,767	18.5	100.0	100.0	100.0	179	4,322,701	6.32	3.52	4,955	2.5	100.0	100.0	100.0	4,153	437,838	4.79
Owners, part owners, and managers..	12,839	18.6	81.4	83.1	81.0	184	3,593,601	6.48	3.52	4,074	2.5	82.2	80.6	81.0	4,134	354,058	4.78
Cash tenants.....	966	15.9	6.1	4.7	5.4	157	200,835	5.44	3.45	240	1.8	4.8	4.6	4.6	4,191	18,000	4.31
All share tenants.....	1,777	19.6	11.3	11.2	12.5	160	485,680	5.68	3.54	596	2.8	12.0	13.8	13.4	4,255	62,335	5.07
Other tenants.....	185	14.5	1.2	1.0	1.1	157	42,585	5.66	3.60	45	1.7	0.9	1.0	1.0	4,122	3,445	3.83
Area 7.....	11,592	22.8	100.0	100.0	100.0	188	4,288,752	6.80	3.63	2,757	2.0	100.0	100.0	100.0	4,155	293,600	5.33
Owners, part owners, and managers..	8,552	23.1	73.8	76.7	73.9	194	3,285,112	7.04	3.62	2,196	2.1	79.7	78.7	77.9	4,194	232,409	5.42
Cash tenants.....	775	18.9	6.7	4.8	5.1	178	202,550	6.35	3.57	105	1.1	3.8	3.1	3.4	3,762	9,790	5.18
All share tenants.....	2,340	23.0	18.5	17.5	20.0	164	761,995	6.05	3.68	431	1.8	15.6	17.3	17.7	4,062	48,936	5.02
Other tenants.....	125	23.2	1.1	1.0	1.0	185	39,095	6.04	3.27	25	1.8	0.9	0.9	0.9	4,080	2,465	4.93

USE OF FERTILIZER AND LIME

Table 5.—USE AND EXPENDITURES FOR FERTILIZER AND LIME OF COMMERCIAL FARMS BY TENURE OF FARM OPERATOR, BY ECONOMIC AREAS: CENSUS OF 1954—Continued

State, economic area, and tenure of operator	Fertilizer								Lime								
	Farms reporting use of fertilizer	Acres fertilized as a percent of total cropland plus improved pasture	Percent distribution of—			Quantity used per acre fertilized (lb.)	Expenditures (dollars)			Farms reporting use of lime	Acres limed as a percent of total cropland plus improved pasture	Percent distribution of—			Expenditures (dollars)		
			Farms reporting use of fertilizer	Fertilizer used	Acres fertilized		For fertilizer	Per acre fertilized	Per cent. of fertilizer used			Farms reporting use of lime	Lime used	Acres limed	Quantity used per acre limed (lb.)	For lime	Per acre limed
Missouri—Continued																	
Areas 1 and A.....	10,111	25.8	100.0	100.0	100.0	212	5,761,462	8.39	3.96	3,735	3.8	100.0	100.0	100.0	3,777	578,712	5.80
Owners, part owners, and managers..	7,579	26.0	75.0	75.6	72.1	222	4,225,722	8.53	3.84	2,888	3.9	77.3	75.3	75.1	3,787	439,764	5.87
Cash tenants.....	181	20.5	1.8	1.2	1.3	199	68,915	8.00	4.01	51	3.8	1.4	1.3	1.6	2,976	6,949	4.35
All share tenants.....	2,207	26.0	21.8	22.1	25.5	184	1,404,563	8.02	4.37	764	3.3	20.5	22.5	22.4	3,783	127,242	5.68
Other tenants.....	144	21.3	1.4	1.1	1.2	198	62,262	7.84	3.97	32	2.4	0.9	1.0	0.9	4,208	4,757	5.38
Area 2a.....	13,394	26.1	100.0	100.0	100.0	220	5,338,638	7.78	3.53	5,325	4.5	100.0	100.0	100.0	4,127	777,222	6.51
Owners, part owners, and managers..	11,051	26.4	82.5	83.8	80.6	229	4,430,579	8.02	3.50	4,607	4.8	86.5	84.3	83.8	4,152	660,978	6.61
Cash tenants.....	168	19.0	1.3	0.8	0.8	207	46,320	8.30	4.01	46	4.6	0.9	0.9	1.1	3,362	6,766	5.03
All share tenants.....	2,056	25.4	15.4	14.8	18.0	182	833,466	6.75	3.71	640	3.4	12.0	14.2	14.0	4,186	104,883	6.28
Other tenants.....	119	16.7	0.9	0.6	0.6	215	28,273	6.74	3.13	32	5.0	0.6	0.6	1.1	2,235	4,595	3.66
Area 2b.....	15,356	38.6	100.0	100.0	100.0	249	9,368,901	8.40	3.37	7,293	6.3	100.0	100.0	100.0	4,902	1,287,405	7.11
Owners, part owners, and managers..	12,808	38.7	83.4	83.6	81.1	257	7,749,317	8.56	3.34	6,327	6.5	86.8	85.6	84.1	4,991	1,110,630	7.30
Cash tenants.....	66	26.1	0.4	0.3	0.3	246	26,175	8.71	3.54	16	2.0	0.2	0.2	0.1	6,087	1,830	7.96
All share tenants.....	2,297	39.2	15.0	14.9	17.6	211	1,481,148	7.56	3.59	884	5.4	12.1	13.4	14.8	4,435	162,426	6.06
Other tenants.....	185	30.6	1.2	1.2	1.0	299	112,261	9.82	3.28	66	4.7	0.9	0.8	1.0	4,140	12,519	7.06
Area 3.....	12,679	47.9	100.0	100.0	100.0	176	6,181,118	5.83	3.31	3,324	3.8	100.0	100.0	100.0	4,254	516,983	6.22
Owners, part owners, and managers..	10,222	47.4	80.6	81.4	78.9	182	4,958,131	5.93	3.26	2,789	4.0	83.9	86.0	85.0	4,306	439,288	6.22
Cash tenants.....	204	32.8	1.6	0.8	0.9	156	56,048	5.59	3.58	24	1.9	0.7	0.7	0.7	3,949	2,732	4.65
All share tenants.....	2,115	31.9	16.7	17.2	19.4	156	1,128,779	5.49	3.52	478	2.9	14.4	12.4	13.6	3,899	70,903	6.29
Other tenants.....	138	32.6	1.1	0.6	0.7	138	38,160	4.91	3.55	33	2.5	1.0	0.9	0.7	5,092	4,060	6.82
Area 4.....	5,401	50.6	100.0	100.0	100.0	200	2,030,569	5.53	2.76	905	2.1	100.0	100.0	100.0	3,793	82,981	5.47
Owners, part owners, and managers..	4,695	49.4	86.9	82.0	82.3	199	1,661,230	5.49	2.76	770	2.0	85.1	79.6	81.2	3,719	67,026	5.44
Cash tenants.....	134	37.9	2.5	2.8	2.1	269	55,788	7.36	2.73	17	1.2	1.9	2.3	1.6	5,306	1,320	5.39
All share tenants.....	496	63.8	9.2	14.4	14.8	195	900,056	5.51	2.83	118	3.0	13.0	18.1	17.2	4,001	14,635	5.63
Other tenants.....	76	37.8	1.4	0.7	0.8	196	13,495	4.85	2.47	...	...	...	...	...	...	...	...
Area 5.....	5,993	34.3	100.0	100.0	100.0	213	1,884,090	6.76	3.17	1,225	2.9	100.0	100.0	100.0	4,335	152,596	6.53
Owners, part owners, and managers..	5,350	33.8	89.3	89.6	88.2	217	1,687,575	6.87	3.17	1,108	2.9	90.4	90.2	90.8	4,304	136,559	6.44
Cash tenants.....	88	25.2	1.5	0.9	1.3	154	17,340	4.87	3.16	5	0.4	0.4	0.2	0.3	4,000	405	6.75
All share tenants.....	448	45.3	7.5	7.8	9.2	182	148,978	5.82	3.20	97	2.6	7.9	7.4	6.3	5,022	12,557	8.47
Other tenants.....	107	27.5	1.8	1.6	1.3	261	30,197	8.12	3.11	15	4.5	1.2	2.3	2.6	3,769	3,075	5.08
Areas 6 and B.....	10,835	36.1	100.0	100.0	100.0	240	3,970,694	7.50	3.12	3,191	3.1	100.0	100.0	100.0	4,694	296,614	6.58
Owners, part owners, and managers..	9,486	36.3	87.5	85.7	85.4	240	3,352,429	7.39	3.08	2,876	3.1	90.1	87.4	86.6	4,732	261,267	6.69
Cash tenants.....	155	35.1	1.4	1.9	1.4	315	70,925	9.48	3.01	22	1.9	0.7	0.6	0.9	3,121	1,781	4.40
All share tenants.....	1,009	34.9	9.3	11.1	11.7	227	491,975	7.95	3.50	268	2.9	8.4	10.8	11.4	4,467	30,931	6.04
Other tenants.....	185	30.8	1.7	1.4	1.3	259	55,365	8.26	3.19	25	2.3	0.8	1.2	1.1	5,293	2,635	5.32
Area 7.....	10,879	34.1	100.0	100.0	100.0	222	2,827,420	6.40	2.88	1,399	1.6	100.0	100.0	100.0	3,578	109,665	5.37
Owners, part owners, and managers..	10,196	33.5	93.7	92.5	91.9	223	2,621,563	6.46	2.89	1,314	1.5	93.9	94.8	91.2	3,718	104,280	5.59
Cash tenants.....	197	31.0	1.8	1.7	1.6	233	46,259	6.38	2.74	15	0.3	1.1	0.2	0.3	2,429	360	5.14
All share tenants.....	379	52.3	3.5	4.9	5.7	189	140,943	5.57	2.95	60	3.3	4.3	4.3	7.9	1,932	4,135	2.57
Other tenants.....	107	24.8	1.0	0.9	0.8	244	18,655	5.39	2.21	10	0.8	0.7	0.7	0.5	4,727	890	8.09
Area 8.....	3,221	30.9	100.0	100.0	100.0	255	974,090	7.54	2.96	654	3.2	100.0	100.0	100.0	4,550	83,110	6.20
Owners, part owners, and managers..	2,956	30.6	91.8	91.9	91.1	257	892,328	7.58	2.95	629	3.4	96.2	96.2	96.7	4,528	80,765	6.23
Cash tenants.....	56	41.9	1.7	2.7	2.6	265	29,615	8.34	3.34	5	1.2	0.8	1.1	0.7	7,000	700	7.00
All share tenants.....	159	36.3	4.9	4.4	5.1	222	42,367	6.42	2.89	10	1.6	1.5	1.7	2.1	3,684	1,200	4.21
Other tenants.....	50	20.4	1.6	1.0	1.2	208	9,780	6.48	3.11	10	0.8	1.5	0.9	0.4	9,500	445	7.42
Area 9a.....	4,433	35.6	100.0	100.0	100.0	221	1,688,886	7.26	3.28	752	2.9	100.0	100.0	100.0	4,265	162,023	8.42
Owners, part owners, and managers..	2,666	34.4	60.1	58.6	57.2	227	993,119	7.47	3.29	476	3.1	63.3	63.7	61.8	4,396	109,464	9.20
Cash tenants.....	80	48.2	1.8	2.2	1.8	273	30,280	7.41	2.72	5	0.6	0.7	0.4	0.3	6,000	510	10.20
All share tenants.....	1,111	35.8	25.1	31.3	33.1	209	537,947	6.99	3.34	240	3.2	31.9	32.7	35.9	3,878	48,939	7.08
Croppers.....	96	45.0	11.4	6.8	6.7	326	110,610	7.13	3.16	26	0.7	3.5	1.7	1.2	6,311	2,170	9.64
Other tenants.....	70	34.3	1.6	1.1	1.3	187	16,930	5.62	3.00	5	1.8	0.7	1.5	0.8	7,812	940	5.88
Area 9b.....	6,171	37.3	100.0	100.0	100.0	253	3,209,854	9.05	3.58	543	2.4	100.0	100.0	100.0	3,271	135,707	5.94
Owners, part owners, and managers..	2,102	37.6	34.1	48.5	46.0	267	1,616,249	9.91	3.72	324	3.2	59.7	64.0	60.2	3,482	89,457	6.51
Cash tenants.....	61	36.4	1.0	1.3	1.5	207	37,830	6.98	3.37	10	1.3	1.8	1.0	0.9	4,000	860	4.41
All share tenants.....	2,595	36.7	42.1	40.2	40.9	248	1,249,250	8.60	3.47	177	1.9	32.6	28.6	32.5	2,885	37,800	5.10
Croppers.....	1,302	40.4	21.1	8.8	10.1	222	367,550	7.49	3.37	27	1.4	5.0	4.9	5.4	2,992	6,190	5.03
Other tenants.....	111	29.5	1.8	1.3	1.5	214	38,975	7.24	3.38	5	1.4	0.9	1.3	1.1	4,000	1,400	5.60
Montana, total.....	6,027	4.2	100.0	100.0	100.0	86	2,186,223	3.47	4.06	40	(2)	100.0	100.0	100.0	730	1,306	2.19
Owners, part owners, and managers..	4,994	4.2	82.9	77.4	84.8	78	1,714,550	3.21	4.11	40	(2)	100.0	100.0	100.0	730	1,306	2.19
Cash tenants.....	111	3.2	1.8	1.3	0.6	174	31,041	7.75	4.45	...	...	...	...	...	...	...	...
All share tenants.....	866	4.8	14.4	20.7	14.1	126	429,109	4.84	3.85	...	...	...	...	...	...	...	...
Other tenants.....	56	4.2	0.9	0.5	0.4	106	11,523	4.15	3.92	...	...	...	...	...	...	...	...

USE OF FERTILIZER AND LIME

**Table 5.—USE AND EXPENDITURES FOR FERTILIZER AND LIME OF COMMERCIAL FARMS BY TENURE OF FARM OPERATOR,
BY ECONOMIC AREAS: CENSUS OF 1954—Continued**

State, economic area, and tenure of operator	Fertilizer									Lime							
	Farms report- ing use of fertilizer	Acres ferti- lized as a percent of total cropland plus improved pasture	Percent distribution of—			Quantity used per acre ferti- lized (lb.)	Expenditures (dollars)			Farms report- ing use of lime	Acres limed as a percent of total cropland plus improved pasture	Percent distribution of—			Quantity used per acre limed (lb.)	Expenditures (dollars)	
			Farms re- port- ing ferti- lizer	Ferti- lizer used	Acres ferti- lized		For fertilizer	Per acre ferti- lized	Per cwt. of ferti- lizer used			Farms re- port- ing lime	Lime used	Acres limed		For lime	Per acre limed
Montana—Continued																	
Area 1a.....	1,229	8.9	100.0	100.0	100.0	146	275,641	5.39	3.69	36	0.1	100.0	100.0	100.0	533	975	2.00
Owners, part owners, and managers..	1,099	8.8	89.4	87.7	90.2	142	253,178	5.49	3.97	36	0.1	100.0	100.0	100.0	533	975	2.00
Cash tenants.....	19	3.8	1.5	0.6	0.5	191	2,416	9.63	5.03	...	...	...	...	...	...	...	...
All share tenants.....	86	10.4	7.0	11.0	8.5	188	18,597	4.27	2.27	...	...	...	...	...	...	...	...
Other tenants.....	25	16.0	2.0	0.7	0.8	130	1,450	3.62	2.79	...	...	...	...	...	...	...	...
Area 1b.....	933	4.9	100.0	100.0	100.0	122	324,108	4.69	3.84	2	(2)	100.0	100.0	100.0	1,824	315	3.46
Owners, part owners, and managers..	783	4.5	83.9	81.8	81.0	123	266,998	4.77	3.87	2	(2)	100.0	100.0	100.0	1,824	315	3.46
Cash tenants.....	13	3.1	1.4	0.7	0.8	106	1,956	3.71	3.49	...	...	...	...	...	...	...	...
All share tenants.....	135	8.6	14.5	17.3	18.0	117	54,349	4.37	3.72	...	...	...	...	...	...	...	...
Other tenants.....	2	1.9	0.2	0.3	0.2	137	805	5.00	3.66	...	...	...	...	...	...	...	...
Area 2a.....	1,318	8.0	100.0	100.0	100.0	43	542,556	1.83	4.28	...	...	...	...	...	...	...	...
Owners, part owners, and managers..	1,155	8.2	87.6	88.2	87.9	43	480,503	1.84	4.30	...	...	...	...	...	...	...	...
Cash tenants.....	12	3.3	0.9	0.6	0.4	56	3,059	2.46	4.37	...	...	...	...	...	...	...	...
All share tenants.....	146	6.9	11.1	10.7	11.4	40	56,134	1.66	4.13	...	...	...	...	...	...	...	...
Other tenants.....	5	7.4	0.4	0.6	0.2	114	2,800	4.55	4.00	...	...	...	...	...	...	...	...
Area 2b.....	1,067	1.7	100.0	100.0	100.0	76	380,575	3.12	4.09	1	(2)	100.0	100.0	100.0	1,000	8	1.00
Owners, part owners, and managers..	882	1.7	82.7	75.7	85.3	68	289,331	2.78	4.11	1	(2)	100.0	100.0	100.0	1,000	8	1.00
Cash tenants.....	6	1.1	0.6	0.8	0.2	280	3,350	12.36	4.43	...	...	...	...	...	...	...	...
All share tenants.....	171	1.8	16.0	22.8	13.9	125	84,501	5.00	3.99	...	...	...	...	...	...	...	...
Other tenants.....	8	2.4	0.7	0.8	0.7	87	3,393	4.20	4.85	...	...	...	...	...	...	...	...
Area 3a.....	1,025	5.5	100.0	100.0	100.0	201	459,679	8.52	4.24	...	...	...	...	...	...	...	...
Owners, part owners, and managers..	677	4.3	66.0	52.2	65.2	161	251,931	7.17	4.45	...	...	...	...	...	...	...	...
Cash tenants.....	45	7.2	4.4	3.6	2.7	269	17,630	12.24	4.54	...	...	...	...	...	...	...	...
All share tenants.....	287	11.7	28.0	43.5	30.7	285	187,043	11.30	3.97	...	...	...	...	...	...	...	...
Other tenants.....	16	9.6	1.6	0.7	1.5	101	3,075	3.87	3.84	...	...	...	...	...	...	...	...
Area 3b.....	455	3.3	100.0	100.0	100.0	139	203,664	5.50	3.94	1	(2)	100.0	100.0	100.0	200	8	0.80
Owners, part owners, and managers..	398	3.1	87.5	85.5	87.2	137	172,609	5.34	3.91	1	(2)	100.0	100.0	100.0	200	8	0.80
Cash tenants.....	16	1.5	3.5	1.2	0.7	218	2,630	9.56	4.38	...	...	...	...	...	...	...	...
All share tenants.....	41	5.4	9.0	13.4	12.0	155	28,425	6.37	4.12	...	...	...	...	...	...	...	...
Other tenants.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Nebraska, total.....	41,984	12.9	100.0	100.0	100.0	146	21,377,554	7.19	4.92	5,868	0.7	100.0	100.0	100.0	3,602	1,274,779	8.01
Owners, part owners, and managers..	23,966	11.7	57.1	59.6	58.4	149	12,705,549	7.32	4.90	3,697	0.7	63.0	62.6	64.4	3,502	792,478	7.73
Cash tenants.....	687	9.1	1.6	1.4	1.3	150	288,158	7.31	4.86	93	0.6	1.6	1.7	1.7	3,526	27,395	10.09
All share tenants.....	16,941	15.5	40.4	38.3	39.5	142	8,227,480	7.00	4.94	2,022	0.7	34.5	34.6	32.5	3,832	439,561	8.49
Other tenants.....	390	11.0	0.9	0.7	0.8	132	156,367	6.57	4.97	56	1.0	1.0	1.1	1.4	2,981	15,345	7.14
Area 1.....	1,392	1.9	100.0	100.0	100.0	135	404,108	5.82	4.30	35	(2)	100.0	100.0	100.0	2,217	6,114	7.70
Owners, part owners, and managers..	1,024	1.8	73.6	76.6	77.9	133	304,575	5.63	4.23	16	(3)	45.7	53.2	68.6	1,721	3,294	6.04
Cash tenants.....	54	1.2	3.9	3.0	2.8	144	11,233	5.68	3.96	8	0.1	22.9	27.0	17.8	3,376	1,770	12.55
All share tenants.....	285	2.8	20.5	19.1	18.2	142	83,295	6.58	4.64	11	(2)	31.4	19.7	13.6	3,204	1,050	9.72
Other tenants.....	29	1.2	2.1	1.3	1.1	165	5,005	7.00	4.24	...	...	...	...	...	...	...	...
Area 2.....	1,884	3.0	100.0	100.0	100.0	188	792,336	8.41	4.47	1	(2)	100.0	100.0	100.0	1,000	2	1.00
Owners, part owners, and managers..	772	2.0	41.0	41.6	45.2	173	336,885	7.92	4.56	1	(2)	100.0	100.0	100.0	1,000	2	1.00
Cash tenants.....	9	0.9	0.5	0.3	0.2	246	2,136	9.37	3.81	...	...	...	...	...	...	...	...
All share tenants.....	1,072	5.6	56.9	56.7	53.0	201	443,385	8.87	4.41	...	...	...	...	...	...	...	...
Other tenants.....	31	6.3	1.6	1.4	1.5	167	9,930	6.83	4.10	...	...	...	...	...	...	...	...
Area 3a.....	4,635	11.6	100.0	100.0	100.0	154	2,727,681	8.51	5.52	87	0.1	100.0	100.0	100.0	2,763	12,335	5.68
Owners, part owners, and managers..	2,779	10.9	50.0	61.5	61.6	154	1,658,601	3.39	5.46	76	0.1	87.4	81.5	84.5	2,666	10,515	5.73
Cash tenants.....	47	7.8	1.0	0.9	0.9	155	25,017	8.62	5.56	5	0.5	5.7	13.3	9.2	4,000	1,250	6.25
All share tenants.....	1,763	13.4	38.0	37.1	36.8	155	1,029,773	8.72	5.62	6	(2)	6.9	5.2	6.3	2,263	970	4.16
Other tenants.....	46	9.4	1.0	0.5	0.6	127	14,290	7.20	5.67	...	...	...	...	...	...	...	...
Area 3b.....	6,934	16.2	100.0	100.0	100.0	141	3,171,100	6.88	4.89	747	0.8	100.0	100.0	100.0	2,812	184,289	7.86
Owners, part owners, and managers..	4,131	16.8	59.6	63.2	61.2	145	2,031,299	7.20	4.96	539	1.1	72.2	78.5	80.2	2,753	144,839	7.71
Cash tenants.....	105	19.4	1.5	1.8	1.6	158	54,165	7.25	4.59	10	0.2	1.3	0.5	0.4	3,158	925	9.74
All share tenants.....	2,647	15.1	38.2	34.2	36.3	132	1,061,266	6.34	4.79	192	0.4	25.7	20.5	18.8	3,072	37,545	8.52
Other tenants.....	51	15.4	0.7	0.8	0.9	131	24,370	6.16	4.69	6	0.5	0.8	0.5	0.6	2,357	980	7.00
Area 4.....	3,083	7.9	100.0	100.0	100.0	148	1,707,170	7.47	5.04	93	0.1	100.0	100.0	100.0	2,867	26,450	7.15
Owners, part owners, and managers..	1,985	8.0	64.4	69.5	66.6	155	1,162,027	7.63	4.93	71	0.1	76.3	72.8	76.2	2,738	19,580	6.94
Cash tenants.....	16	3.2	0.5	0.5	0.3	211	5,565	7.52	3.57	...	...	...	...	...	...	...	...
All share tenants.....	1,059	8.0	34.3	29.8	32.7	135	534,706	7.16	5.29	22	0.1	23.7	27.2	23.8	3,281	6,870	7.82
Other tenants.....	23	3.6	0.7	0.2	0.4	92	4,872	5.32	5.80	...	...	...	...	...	...	...	...

Z Less than 0.05.

USE OF FERTILIZER AND LIME

Table 5.—USE AND EXPENDITURES FOR FERTILIZER AND LIME OF COMMERCIAL FARMS BY TENURE OF FARM OPERATOR, BY ECONOMIC AREAS: CENSUS OF 1954—Continued

State, economic area, and tenure of operator	Fertilizer									Lime								
	Farms report- ing use of fer- tilizer	Acres fer- tilized as a percent of total cropland plus improved pasture	Percent distribution of—			Quan- tity used per acre fer- tilized (lb.)	Expenditures (dollars)			Farms report- ing use of lime	Acres limed as a percent of total cropland plus improved pasture	Percent distribution of—			Quan- tity used per acre limed (lb.)	Expenditures (dollars)		
			Farms re- port- ing fer- tilizer	Fer- tilizer used	Acres fer- tilized		For fertilizer	Per acre fer- tilized	Per wt. of fer- tilizer used			Farms re- port- ing lime	Lime used	Acres limed		For lime	Per acre limed	
Nebraska—Continued																		
Area 5.....	8,171	22.0	100.0	100.0	100.0	128	4,421,145	6.71	5.25	1,549	1.4	100.0	100.0	100.0	3,816	395,570	9.25	
Owners, part owners, and managers..	4,446	22.6	54.4	57.3	55.5	132	2,543,799	6.96	5.28	943	1.7	60.9	63.6	65.0	3,734	240,579	8.66	
Cash tenants.....	36	12.1	0.4	0.5	0.4	142	16,342	5.72	4.05	15	2.6	1.0	1.5	1.4	4,000	4,200	7.00	
All share tenants.....	3,594	21.4	44.0	41.3	42.8	123	1,814,084	6.44	5.22	576	1.1	37.2	34.5	33.2	3,966	149,301	10.51	
Other tenants.....	95	26.9	1.2	1.0	1.3	98	46,920	5.65	5.78	15	0.5	1.0	0.4	0.4	3,867	1,490	9.93	
Area 6.....	6,531	22.1	100.0	100.0	100.0	166	3,512,719	7.49	4.52	539	0.8	100.0	100.0	100.0	3,077	167,953	9.49	
Owners, part owners, and managers..	3,526	22.8	54.0	54.7	54.3	167	1,914,128	7.51	4.50	299	0.9	55.5	51.8	56.0	2,847	86,788	8.75	
Cash tenants.....	255	17.6	3.9	2.8	2.9	158	110,590	8.14	5.15	30	1.3	5.6	5.6	5.7	3,010	13,225	13.09	
All share tenants.....	2,725	21.8	41.7	42.3	42.6	165	1,478,511	7.40	4.50	200	0.6	37.1	38.5	32.3	3,673	60,340	10.56	
Other tenants.....	25	9.6	0.4	0.2	0.2	173	9,490	9.00	5.21	10	9.6	1.9	4.0	6.0	2,075	7,600	7.17	
Areas 7, A, and B.....	9,354	25.3	100.0	100.0	100.0	145	4,641,295	6.90	4.77	2,817	2.6	100.0	100.0	100.0	3,957	482,066	7.03	
Owners, part owners, and managers..	5,303	25.6	56.7	60.5	57.5	152	2,754,235	7.12	4.68	1,752	2.7	62.2	59.6	59.5	3,961	286,881	7.03	
Cash tenants.....	165	21.6	1.8	1.3	1.4	130	63,110	6.54	5.04	25	1.5	0.9	0.9	1.0	3,821	6,025	8.99	
All share tenants.....	3,796	25.0	40.6	37.3	40.3	134	1,782,460	6.58	4.91	1,015	2.4	36.0	38.3	38.4	3,950	183,885	6.99	
Other tenants.....	90	26.4	1.0	1.0	0.8	173	41,490	7.65	4.43	25	3.9	0.9	1.2	1.2	4,125	5,275	6.59	
Nevada, total (Area 1).....	381	3.4	100.0	100.0	100.0	226	252,529	8.89	3.92	6	(2)	100.0	100.0	100.0	7,647	615	36.18	
Owners, part owners, and managers..	352	3.2	92.4	81.8	89.1	208	206,344	8.15	3.92	6	(2)	100.0	100.0	100.0	7,647	615	36.18	
Cash tenants.....	21	2.8	5.5	7.1	3.3	483	21,560	22.94	4.75	...	...	...	...	...	...	...	...
All share tenants.....	7	11.9	1.8	4.9	5.1	218	11,625	7.96	3.66	...	...	...	...	...	...	...	...
Other tenants.....	1	19.7	0.3	6.2	2.5	571	13,000	18.57	3.25	...	...	...	...	...	...	...	...
New Hampshire, total.....	2,444	20.3	100.0	100.0	100.0	516	810,052	13.09	2.54	996	4.9	100.0	100.0	100.0	2,276	92,578	6.24	
Owners, part owners, and managers..	2,364	20.2	96.7	97.3	97.3	516	789,837	13.12	2.54	971	4.9	97.5	97.4	97.6	2,270	88,458	6.11	
Cash tenants.....	50	23.2	2.0	2.0	2.0	502	14,495	11.55	2.30	5	1.4	0.5	0.4	0.5	2,000	900	12.00	
All share tenants.....	5	24.0	0.2	0.2	0.2	435	1,375	11.96	2.75	5	14.6	0.5	0.8	0.5	4,000	425	6.07	
Other tenants.....	25	39.9	1.0	0.6	0.5	616	4,345	14.25	2.31	15	26.8	1.5	1.3	1.4	2,195	2,795	13.63	
Area 1.....	1,136	22.6	100.0	100.0	100.0	597	484,969	14.57	2.44	397	4.1	100.0	100.0	100.0	2,535	39,628	6.52	
Owners, part owners, and managers..	1,106	22.6	97.4	98.6	98.0	601	479,104	14.69	2.44	387	4.1	97.5	97.7	97.3	2,547	37,508	6.34	
Cash tenants.....	20	19.6	1.8	1.0	1.5	396	3,610	7.15	1.80	5	2.9	1.3	1.0	1.2	2,000	900	12.00	
All share tenants.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Other tenants.....	10	66.7	0.9	0.4	0.5	482	2,255	13.26	2.75	5	35.3	1.3	1.3	1.5	2,222	1,220	13.56	
Areas 2 and A.....	1,308	18.1	100.0	100.0	100.0	421	325,083	11.38	2.70	599	5.6	100.0	100.0	100.0	2,096	52,950	6.05	
Owners, part owners, and managers..	1,258	17.9	96.2	95.1	96.5	416	310,733	11.27	2.71	584	5.6	97.5	97.1	97.9	2,079	50,950	5.95	
Cash tenants.....	30	26.4	2.3	3.6	2.6	573	10,885	14.51	2.53	...	...	...	...	...	...	...
All share tenants.....	5	24.0	0.4	0.4	0.4	435	1,375	11.96	2.75	5	14.6	0.8	1.5	0.8	4,000	425	6.07	
Other tenants.....	15	26.5	1.1	0.9	0.5	785	2,090	15.48	1.97	10	22.5	1.7	1.4	1.3	2,174	1,575	13.70	
New Jersey, total.....	10,781	56.6	100.0	100.0	100.0	779	11,564,437	19.47	2.50	5,216	11.4	100.0	100.0	100.0	1,804	991,662	8.28	
Owners, part owners, and managers..	9,709	56.4	96.1	89.0	88.2	786	10,305,457	19.66	2.50	4,724	11.6	90.6	90.0	90.1	1,801	902,567	8.36	
Cash tenants.....	587	55.6	5.4	5.8	6.8	665	699,360	17.20	2.59	292	9.4	5.6	5.4	5.7	1,694	48,355	7.05	
All share tenants.....	290	65.9	2.7	4.5	4.0	864	477,590	19.98	2.31	140	11.8	2.7	4.0	3.6	2,047	34,405	8.06	
Other tenants.....	195	45.3	1.8	0.7	0.9	616	82,030	15.64	2.54	60	5.9	1.2	0.6	0.6	1,941	6,335	9.32	
Areas 1, A, B, and C.....	5,901	51.4	100.0	100.0	100.0	604	4,845,616	14.88	2.47	2,661	9.3	100.0	100.0	100.0	1,701	433,191	7.35	
Owners, part owners, and managers..	5,155	51.4	87.4	85.8	86.1	601	4,164,791	14.85	2.47	2,355	9.7	88.5	87.6	89.4	1,668	383,571	7.28	
Cash tenants.....	456	50.2	7.7	7.8	8.9	530	391,965	13.46	2.54	211	7.2	7.9	8.2	7.1	1,967	33,935	8.12	
All share tenants.....	145	58.5	2.5	5.2	3.8	840	232,755	19.01	2.26	65	8.9	2.4	3.9	3.2	2,080	14,155	7.59	
Other tenants.....	145	44.3	2.5	1.1	1.2	562	56,105	14.59	2.60	30	2.7	1.1	0.3	0.4	1,489	1,530	6.51	
Areas 2, D, E, and F.....	4,880	64.4	100.0	100.0	100.0	992	6,718,821	25.04	2.52	2,555	14.6	100.0	100.0	100.0	1,904	558,471	9.19	
Owners, part owners, and managers..	4,554	63.6	93.3	91.3	90.8	998	6,140,666	25.20	2.53	2,369	14.4	92.7	92.0	90.9	1,928	518,996	9.40	
Cash tenants.....	131	76.4	2.7	4.4	4.3	1,006	307,395	26.62	2.62	81	17.7	3.2	2.9	4.4	1,267	14,420	5.39	
All share tenants.....	145	76.0	3.0	3.9	4.3	889	244,835	23.01	2.36	75	15.7	2.9	4.2	4.0	2,021	20,250	8.42	
Other tenants.....	50	48.4	1.0	0.4	0.5	766	25,925	18.52	2.42	30	15.4	1.2	0.8	0.7	2,180	4,805	10.80	
New Mexico, total.....	2,927	10.5	100.0	100.0	100.0	247	2,359,323	10.24	4.14	2	(2)	100.0	100.0	100.0	2,966	3,602	11.22	
Owners, part owners, and managers..	2,365	9.9	80.8	79.3	77.8	252	1,827,540	10.20	4.05	2	(2)	100.0	100.0	100.0	2,966	3,602	11.22	
Cash tenants.....	64	10.2	2.2	1.3	1.5	206	39,837	11.35	5.50	...	...	...	...	...	...	...
All share tenants.....	468	14.1	16.0	18.9	20.2	231	480,911	10.32	4.46	...	...	...	...	...	...	...
Other tenants.....	30	7.1	1.0	0.5	0.4	252	11,035	10.71	4.24	...	...	...	...	...	...	...
Area 1a.....	349	14.3	100.0	100.0	100.0	153	92,181	6.27	4.11	...	...	...	...	...	...	...
Owners, part owners, and managers..	304	12.9	87.1	83.4	84.3	151	75,041	6.05	4.01	...	...	...	...	...	...	...
Cash tenants.....	25	42.3	7.2	10.2	7.7	202	11,735	10.38	5.15	...	...	...	...	...	...	...
All share tenants.....	20	32.3	5.7	6.4	8.0	122	5,405	4.58	3.75	...	...	...	...	...	...	...
Other tenants.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

USE OF FERTILIZER AND LIME

Table 5.—USE AND EXPENDITURES FOR FERTILIZER AND LIME OF COMMERCIAL FARMS BY TENURE OF FARM OPERATOR, BY ECONOMIC AREAS: CENSUS OF 1954-Continued

State, economic area, and tenure of operator	Fertilizer									Lime							
	Farms reporting use of fertilizer	Acres fertilized as a percent of total cropland plus improved pasture	Percent distribution of—		Quantity used per acre fertilized (lb.)	Expenditures (dollars)			Farms reporting use of lime	Acres limed as a percent of total cropland plus improved pasture	Percent distribution of—		Quantity used per acre limed (lb.)	Expenditures (dollars)			
			Farms reporting use of fertilizer	Fertilizer used		Acres fertilized	For fertilizer	Per acre fertilized			Per cent. of fertilizer used	Farms reporting use of lime		Lime used	Acres limed	For lime	Per acre limed
New Mexico—Continued																	
Area 1b.....	126	4.8	100.0	100.0	100.0	153	33,554	6.82	4.46	...	...	...	...	...	...
Owners, part owners, and managers..	115	4.3	91.3	86.2	83.0	159	28,187	6.90	4.35	...	...	...	...	...	...
Cash tenants.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
All share tenants.....	11	11.7	8.7	13.8	17.0	125	5,367	6.43	5.16	...	...	...	...	...	...
Other tenants.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Area 2.....	549	1.5	100.0	100.0	100.0	195	193,307	8.64	4.42	...	...	...	...	...	...
Owners, part owners, and managers..	441	1.3	80.3	71.3	72.0	194	117,462	7.30	3.77	...	...	...	...	...	...
Cash tenants.....	26	3.9	4.7	4.5	4.7	187	9,485	9.03	6.82	...	...	...	...	...	...
All share tenants.....	72	2.2	13.1	22.4	22.0	199	62,815	12.75	6.42	...	...	...	...	...	...
Other tenants.....	10	2.9	1.8	1.8	1.3	276	3,545	12.22	4.43	...	...	...	...	...	...
Area 3.....	1,903	36.5	100.0	100.0	100.0	263	2,040,281	10.83	4.12	2	0.1	100.0	100.0	100.0	2,966	3,602	11.22
Owners, part owners, and managers..	1,505	35.4	79.1	79.7	77.8	270	1,606,850	10.96	4.06	2	0.1	100.0	100.0	100.0	2,966	3,602	11.22
Cash tenants.....	13	35.2	0.7	0.6	0.7	226	18,617	14.00	6.21	...	...	...	...	...	...	...	...
All share tenants.....	365	42.4	19.2	19.3	21.1	241	407,324	10.27	4.26	...	...	...	...	...	...	...	...
Other tenants.....	20	20.4	1.1	0.4	0.4	243	7,490	10.12	4.16	...	...	...	...	...	...	...	...
New York, total.....	56,082	29.9	100.0	100.0	100.0	456	26,247,215	12.03	2.64	23,830	5.2	100.0	100.0	100.0	2,996	3,633,638	9.64
Owners, part owners, and managers..	53,281	29.9	95.0	93.4	94.3	452	24,524,834	11.92	2.64	22,737	5.2	95.4	95.4	95.3	2,999	3,466,463	9.65
Cash tenants.....	1,314	32.0	2.3	3.4	2.5	627	874,510	16.26	2.59	521	4.8	2.2	1.9	2.2	2,665	71,570	8.81
All share tenants.....	965	28.9	1.7	2.0	2.4	378	523,680	10.14	2.68	345	3.2	1.4	1.6	1.5	3,159	59,460	10.38
Other tenants.....	528	27.7	0.9	1.2	0.9	658	324,141	17.34	2.63	227	9.6	1.0	1.1	1.0	3,181	36,145	9.62
Area 1, A, and B.....	8,547	45.5	100.0	100.0	100.0	448	4,934,986	12.07	2.70	2,180	4.6	100.0	100.0	100.0	2,827	322,342	7.87
Owners, part owners, and managers..	8,002	45.3	93.6	93.7	93.1	451	4,622,466	12.14	2.69	2,060	4.6	94.5	94.7	95.1	2,816	305,422	7.84
Cash tenants.....	230	49.4	2.7	2.8	2.9	431	137,580	11.46	2.66	60	3.1	2.8	1.9	1.9	2,810	7,190	9.40
All share tenants.....	175	48.8	2.0	2.0	2.7	335	98,835	9.05	2.70	35	3.1	1.6	1.5	1.7	2,561	4,280	6.16
Other tenants.....	140	42.4	1.6	1.4	1.3	507	76,105	14.72	2.90	25	4.5	1.1	1.9	1.3	4,018	5,450	10.00
Area 2.....	7,252	47.6	100.0	100.0	100.0	370	4,421,409	9.79	2.65	1,746	3.2	100.0	100.0	100.0	3,200	315,721	10.55
Owners, part owners, and managers..	6,709	47.5	92.5	91.7	91.2	372	4,035,519	9.80	2.63	1,646	3.3	94.3	95.2	95.3	3,197	299,346	10.50
Cash tenants.....	158	50.9	2.2	2.3	2.4	447	132,735	12.23	2.74	10	0.8	0.6	0.3	0.5	1,812	695	4.34
All share tenants.....	315	51.9	4.3	4.7	5.5	314	217,235	8.77	2.79	70	1.9	4.0	3.7	3.1	3,839	12,910	13.88
Other tenants.....	70	34.1	1.0	0.7	0.9	292	35,920	8.58	2.94	20	2.6	1.1	0.7	1.1	2,222	2,770	8.79
Area 3a.....	5,524	27.6	100.0	100.0	100.0	363	1,398,943	9.59	2.64	1,907	7.3	100.0	100.0	100.0	3,360	474,492	12.23
Owners, part owners, and managers..	5,339	27.7	96.7	95.9	95.8	364	1,338,643	9.58	2.63	2,797	7.3	96.2	94.4	94.6	3,353	446,672	12.18
Cash tenants.....	100	30.7	1.8	2.1	2.3	330	28,710	8.47	2.56	60	13.3	2.1	3.6	3.8	3,150	16,675	11.34
All share tenants.....	60	26.1	1.1	1.6	1.7	339	27,060	10.80	3.19	35	5.5	1.2	1.8	1.4	4,358	10,005	18.88
Other tenants.....	25	12.2	0.5	0.4	0.2	784	4,530	18.12	2.31	15	5.1	0.5	0.3	0.3	3,714	1,140	10.86
Area 3b.....	4,268	32.5	100.0	100.0	100.0	427	2,169,836	11.46	2.69	2,315	7.8	100.0	100.0	100.0	2,845	461,326	10.13
Owners, part owners, and managers..	4,128	32.6	96.7	96.7	96.7	427	2,102,111	11.49	2.69	2,250	7.9	97.2	97.1	97.0	2,847	447,761	10.13
Cash tenants.....	30	43.6	0.7	0.5	0.7	288	9,405	7.21	2.50	10	3.3	0.4	0.2	0.2	2,200	890	8.90
All share tenants.....	85	27.6	2.0	2.5	2.0	519	49,125	12.86	2.48	45	8.1	1.9	2.3	2.5	2,702	10,940	9.72
Other tenants.....	25	38.4	0.6	0.4	0.6	258	9,195	7.79	3.02	10	4.4	0.4	0.4	0.3	3,926	1,735	12.85
Area 4 and C.....	6,248	36.5	100.0	100.0	100.0	377	2,807,196	10.21	2.71	2,200	4.8	100.0	100.0	100.0	2,653	305,369	8.48
Owners, part owners, and managers..	6,038	36.5	96.6	97.2	96.8	378	2,727,676	10.24	2.71	2,155	4.8	98.0	98.5	98.2	2,662	301,549	8.53
Cash tenants.....	105	48.1	1.7	1.5	1.5	365	43,480	10.50	2.88	19	3.5	0.7	0.2	0.8	600	630	2.10
All share tenants.....	75	31.4	1.2	0.9	1.2	266	22,805	6.79	2.55	20	1.9	0.9	0.8	0.6	3,900	2,030	10.15
Other tenants.....	30	31.3	0.5	0.5	0.4	436	13,235	10.89	2.50	10	3.7	0.5	0.5	0.4	3,103	1,160	8.00
Area 5 and D.....	3,604	20.9	100.0	100.0	100.0	389	1,107,188	10.19	2.62	1,734	5.1	100.0	100.0	100.0	3,322	240,074	9.05
Owners, part owners, and managers..	3,484	21.1	96.7	97.5	97.0	391	1,077,073	10.22	2.61	1,709	5.2	98.6	98.5	98.7	3,316	235,959	9.01
Cash tenants.....	75	21.8	2.1	1.6	2.0	308	18,060	3.44	2.74	19	1.1	0.6	0.5	0.4	4,381	935	8.90
All share tenants.....	5	1.7	0.1	0.1	0.1	333	750	8.35	2.50	...	...	...	...	...	...	...	...
Other tenants.....	40	20.6	1.1	0.9	0.9	368	11,305	11.31	3.07	15	4.9	0.9	1.0	0.9	3,583	3,180	13.25
Area 6 and E.....	5,733	18.8	100.0	100.0	100.0	363	1,394,177	9.46	2.61	3,981	6.7	100.0	100.0	100.0	3,152	551,716	10.42
Owners, part owners, and managers..	5,533	19.0	96.5	97.2	97.7	361	1,351,487	9.38	2.60	3,871	6.8	97.2	96.7	97.3	3,134	536,761	10.42
Cash tenants.....	105	12.3	1.8	1.8	1.3	503	28,220	15.09	3.00	60	5.0	1.5	1.5	1.4	3,240	7,150	9.53
All share tenants.....	50	15.0	0.9	0.7	0.7	375	8,860	9.23	2.46	25	5.8	0.6	0.9	0.7	3,919	3,135	8.47
Other tenants.....	45	7.7	0.8	0.4	0.4	393	5,610	10.49	2.67	25	4.7	0.6	1.0	0.6	4,985	4,670	14.37
Area 7.....	5,714	12.1	100.0	100.0	100.0	371	1,310,632	10.07	2.71	1,718	2.5	100.0	100.0	100.0	2,669	160,607	5.95
Owners, part owners, and managers..	5,514	12.5	96.5	97.2	97.0	372	1,273,857	10.09	2.71	1,608	2.5	93.6	93.1	94.3	2,636	148,332	5.82
Cash tenants.....	35	6.1	0.6	0.3	0.4	314	4,915	10.03	3.19	15	2.3	0.9	1.4	0.7	5,297	1,560	8.43
All share tenants.....	140	5.3	2.5	2.2	2.3	355	27,235	9.22	2.60	85	2.4	4.9	5.4	4.9	2,966	10,460	7.95
Other tenants.....	25	7.7	0.4	0.3	0.4	304	4,625	9.25	3.04	10	0.6	0.6	0.1	0.1	1,750	255	6.38

USE OF FERTILIZER AND LIME

Table 5.—USE AND EXPENDITURES FOR FERTILIZER AND LIME OF COMMERCIAL FARMS BY TENURE OF FARM OPERATOR, BY ECONOMIC AREAS: CENSUS OF 1954—Continued

State, economic area, and tenure of operator	Fertilizer								Lime								
	Farms reporting use of fertilizer	Acres fertilized as a percent of total cropland plus improved pasture	Percent distribution of—		Quantity used per acre fertilized (lb.)	Expenditures (dollars)			Farms reporting use of lime	Acres limed as a percent of total cropland plus improved pasture	Percent distribution of—		Quantity used per acre limed (lb.)	Expenditures (dollars)			
			Farms reporting fertilizer	Fertilizer used		Acres fertilized	For fertilizer	Per acre fertilized			Per cwt. of fertilizer used	Farms reporting lime		Lime used	Acres limed	For lime	Per acre limed
New York—Continued																	
Areas 8 and F.....	3,358	19.2	100.0	100.0	100.0	368	863,535	9.53	2.59	1,535	4.2	100.0	100.0	100.0	3,343	189,697	9.46
Owners, part owners, and managers..	3,192	19.2	95.1	94.9	94.6	369	818,358	9.55	2.59	1,424	4.1	92.8	92.0	92.2	3,334	172,765	9.34
Cash tenants.....	95	19.2	2.8	2.9	3.2	342	26,420	9.22	2.70	60	4.8	3.9	3.4	3.6	3,139	7,030	9.76
All share tenants.....	30	22.3	0.9	0.9	0.8	376	7,630	10.11	2.69	10	7.1	0.7	1.0	1.2	2,917	2,800	11.67
Other tenants.....	41	20.5	1.2	1.3	1.4	328	11,127	8.60	2.62	41	9.4	2.7	3.6	3.0	4,067	7,102	11.96
Area 9.....	4,132	25.4	100.0	100.0	100.0	458	1,942,088	12.27	2.68	2,825	8.0	100.0	100.0	100.0	3,104	525,784	10.50
Owners, part owners, and managers..	3,839	26.2	92.9	95.0	94.3	461	1,834,814	12.30	2.67	2,593	8.1	91.8	93.5	92.3	3,146	490,616	10.62
Cash tenants.....	231	17.1	5.6	4.1	4.8	393	86,515	13.45	2.91	191	7.0	6.8	4.8	6.2	2,397	25,235	8.09
All share tenants.....	15	15.4	0.4	0.2	0.3	364	3,770	8.57	2.36	15	9.6	0.5	0.4	0.5	2,000	2,675	9.73
Other tenants.....	47	15.9	1.1	0.7	0.7	462	16,989	15.57	3.37	26	6.8	0.9	1.3	0.9	4,298	7,258	15.44
Area C.....	1,708	75.3	100.0	100.0	100.0	2,064	3,897,225	50.78	2.46	689	8.7	100.0	100.0	100.0	1,375	86,510	9.72
Owners, part owners, and managers..	1,503	73.4	88.0	85.3	86.3	2,041	3,342,880	50.47	2.47	624	8.4	90.6	89.4	84.9	1,448	81,280	10.76
Cash tenants.....	150	91.9	8.8	9.4	9.3	2,087	358,470	50.03	2.40	30	5.8	4.4	4.7	5.1	1,267	3,580	7.96
All share tenants.....	15	89.6	0.9	1.6	1.4	2,326	60,375	56.16	2.41	5	4.2	0.7	0.2	0.6	400	225	4.50
Other tenants.....	40	85.3	2.3	3.6	3.0	2,542	135,500	59.69	2.35	30	31.8	4.4	5.8	9.5	840	1,425	1.69
North Carolina, total.....	174,474	69.6	100.0	100.0	100.0	587	64,517,485	14.69	2.50	21,505	4.1	100.0	100.0	100.0	1,867	1,631,910	6.23
Owners, part owners, and managers..	91,106	64.1	52.2	54.4	58.8	543	35,097,125	13.60	2.50	16,531	5.4	76.9	88.1	83.1	1,979	1,376,685	6.32
Cash tenants.....	2,010	68.4	1.2	1.2	1.1	625	785,157	16.19	2.59	126	1.8	0.6	0.4	0.5	1,542	7,218	5.80
All share tenants.....	33,949	77.2	19.5	20.6	19.2	630	13,404,205	15.88	2.52	2,152	1.8	10.0	5.6	7.4	1,421	118,900	6.13
Croppers.....	43,889	83.5	25.2	22.1	19.1	678	14,191,980	16.89	2.49	2,371	1.9	11.0	4.3	7.4	1,086	103,313	5.34
Other tenants.....	3,520	66.4	2.0	1.6	1.7	551	1,039,018	13.54	2.46	325	3.7	1.5	1.6	1.6	1,812	25,794	6.08
Areas 1 and A.....	12,800	37.3	100.0	100.0	100.0	555	1,853,997	12.88	2.32	3,389	8.0	100.0	100.0	100.0	2,375	121,386	3.93
Owners, part owners, and managers..	11,320	37.1	88.4	92.8	93.7	549	1,720,902	12.75	2.32	3,254	8.3	96.0	97.0	97.4	2,367	118,156	3.93
Cash tenants.....	40	37.6	0.3	0.2	0.2	800	3,240	15.06	1.88	5	1.6	0.1	(Z)	(Z)	3,000	15	1.50
All share tenants.....	605	39.2	4.7	2.7	2.6	597	50,525	13.67	2.29	65	2.7	1.9	1.2	0.8	3,569	1,295	5.08
Croppers.....	595	46.7	4.6	3.0	2.4	710	54,565	16.04	2.26	30	3.2	0.9	0.7	0.7	2,087	960	4.17
Other tenants.....	240	34.6	1.9	1.2	1.2	586	24,965	14.69	2.51	35	6.5	1.0	1.0	1.0	2,375	960	3.00
Area 2.....	2,778	53.1	100.0	100.0	100.0	416	548,601	9.10	2.19	606	6.6	100.0	100.0	100.0	2,306	39,074	5.20
Owners, part owners, and managers..	2,523	53.0	90.8	93.4	92.9	418	513,111	9.16	2.19	591	7.0	97.5	98.7	99.0	2,300	38,449	5.17
Cash tenants.....	15	67.9	0.5	0.2	0.6	119	1,110	3.00	2.52	...	...	...	...	...	...	...	...
All share tenants.....	105	40.6	3.8	2.5	2.6	405	13,225	8.45	2.09	5	1.0	0.8	0.6	0.5	2,500	250	6.25
Croppers.....	80	75.3	2.9	2.3	2.4	406	13,075	9.05	2.23	...	...	...	...	...	...	...	...
Other tenants.....	55	64.4	2.0	1.6	1.5	432	8,080	8.69	2.01	10	2.4	1.7	0.7	0.5	3,429	375	10.71
Areas 3, B, and C.....	29,451	58.7	100.0	100.0	100.0	585	7,691,768	14.35	2.45	2,632	3.0	100.0	100.0	100.0	2,109	179,570	6.50
Owners, part owners, and managers..	15,236	56.6	51.7	58.5	64.6	530	4,559,538	13.16	2.48	2,207	3.9	83.9	87.8	87.5	2,117	155,975	6.46
Cash tenants.....	160	42.6	0.5	0.5	0.4	652	38,100	15.97	2.45	5	0.3	0.2	0.1	0.1	3,333	150	10.00
All share tenants.....	5,575	56.4	18.9	18.1	16.3	647	1,410,535	16.12	2.49	200	1.1	7.6	5.9	6.2	2,017	11,255	6.56
Croppers.....	7,775	72.6	26.4	20.7	16.5	733	1,520,540	17.20	2.34	155	1.0	5.9	4.1	4.3	2,000	8,545	7.12
Other tenants.....	705	60.2	2.4	2.2	2.1	612	163,055	14.35	2.34	65	2.8	2.5	2.1	1.9	2,262	3,645	6.81
Area 4a.....	5,833	55.4	100.0	100.0	100.0	417	1,643,815	9.66	2.32	1,001	5.3	100.0	100.0	100.0	2,128	109,067	6.72
Owners, part owners, and managers..	4,878	55.5	83.6	89.3	91.4	407	1,468,260	9.44	2.32	936	5.6	93.5	97.1	97.0	2,130	106,067	6.74
Cash tenants.....	35	60.8	0.6	0.6	0.5	498	12,185	13.54	2.72	5	6.8	0.5	0.6	0.6	2,000	300	3.00
All share tenants.....	345	56.7	5.9	4.2	3.6	484	68,240	11.05	2.29	40	2.4	4.0	1.5	1.6	2,000	1,590	6.00
Croppers.....	485	68.8	8.3	5.2	3.5	621	86,105	14.48	2.33	10	0.6	1.0	0.3	0.3	1,818	320	5.82
Other tenants.....	90	28.7	1.5	0.6	0.9	286	9,025	5.86	2.05	10	1.2	1.0	0.5	0.4	2,462	790	12.15
Area 4b.....	5,149	66.3	100.0	100.0	100.0	364	2,099,832	8.25	2.25	1,618	8.9	100.0	100.0	100.0	2,048	243,314	7.11
Owners, part owners, and managers..	4,194	65.8	81.5	88.4	87.7	368	1,825,252	8.18	2.23	1,463	9.0	90.4	92.0	88.9	2,120	222,699	7.32
Cash tenants.....	25	55.9	0.5	0.3	0.3	455	7,330	11.11	2.44	5	3.0	0.3	0.2	0.1	4,000	490	14.00
All share tenants.....	455	67.5	8.8	6.3	7.1	326	172,275	9.52	2.92	100	8.4	6.2	4.6	6.6	1,419	11,150	4.94
Croppers.....	375	72.4	7.3	3.0	2.9	367	55,520	7.44	2.02	20	7.3	1.2	1.0	2.2	967	3,285	4.35
Other tenants.....	100	74.8	1.9	2.0	2.0	351	39,455	7.57	2.16	30	10.9	1.9	2.2	2.2	2,000	5,690	7.49
Areas 5 and D.....	10,469	72.4	100.0	100.0	100.0	444	3,756,079	9.72	2.19	1,542	4.6	100.0	100.0	100.0	2,118	139,086	5.64
Owners, part owners, and managers..	6,388	69.7	61.0	70.4	72.7	430	2,666,889	9.49	2.21	1,417	5.7	91.9	95.0	93.8	2,146	130,706	5.65
Cash tenants.....	151	60.4	1.4	1.0	1.0	436	39,140	9.95	2.28	15	1.8	1.0	0.4	0.5	1,739	535	4.65
All share tenants.....	1,300	77.7	12.4	11.4	10.8	471	418,105	10.05	2.13	65	1.8	4.2	3.1	3.9	1,675	5,940	6.22
Croppers.....	2,290	89.3	21.9	14.9	13.2	502	545,290	10.69	2.13	30	0.6	1.9	1.1	1.4	1,647	1,010	2.97
Other tenants.....	340	65.8	3.2	2.2	2.3	434	86,655	9.75	2.25	15	0.9	1.0	0.5	0.5	2,000	895	7.16
Areas 6 and E.....	27,175	76.4	100.0	100.0	100.0	671	10,377,014	17.30	2.58	1,401	1.6	100.0	100.0	100.0	1,883	87,473	7.00
Owners, part owners, and managers..	12,241	71.6	45.0	48.4	50.7	641	5,116,794	16.83	2.63	1,066	2.4	76.1	84.9	81.9	1,953	70,563	6.90
Cash tenants.....	385	71.7	1.4	1.2	1.1	701	122,985	18.42	2.59	5	1.1	0.4	0.9	0.8	1,905	810	7.71
All share tenants.....	8,552	80.4	31.5	33.3	31.9	701	3,406,800	17.83	2.54	205	0.7	14.6	11.7	13.1	1,677	12,900	7.87
Croppers.....	5,501	88.7	20.2	15.8	14.9	711	1,593,250	17.85	2.51	100	0.5	7.1	2.3	3.8	1,116	2,780	5.85
Other tenants.....	496	71.5	1.8	1.4	1.4	639	137,185	15.84	2.48	25	0.4	1.8	0.3	0.4</			

USE OF FERTILIZER AND LIME

Table 5.—USE AND EXPENDITURES FOR FERTILIZER AND LIME OF COMMERCIAL FARMS BY TENURE OF FARM OPERATOR.
BY ECONOMIC AREAS: CENSUS OF 1954—Continued

State, economic area, and tenure of operator	Farms report- ing use of fertil- izer	Fertilizer							Lime								
		Acres fertil- ized as a percent of total cropland plus improved pasture	Percent distribution of—		Quantity used per acre fertil- ized (lb.)	Expenditures (dollars)			Farms report- ing use of lime	Acres limed as a percent of total cropland plus improved pasture	Percent distribution of—		Quantity used per acre limed (lb.)	Expenditures (dollars)			
			Farms re- port- ing fertil- izer	Acres fertil- ized		For fertilizer	Per acre fertil- ized	Per wt. of fertil- izer used			Farms re- port- ing lime	Lime used		Acres limed	For lime	Per acre limed	
North Carolina—Continued																	
Area 8.....	27,048	83.0	100.0	100.0	100.0	685	12,388,975	17.85	2.60	1,780	1.8	100.0	100.0	1,215	89,392	5.86	
Owners, part owners, and managers..	6,699	75.6	24.8	28.5	30.3	645	3,587,030	17.07	2.65	567	2.4	31.9	62.5	44.1	1,720	44,907	6.67
Cash tenants.....	296	73.3	1.1	1.0	0.9	759	131,610	20.68	2.72	11	2.0	0.6	0.6	1.1	706	550	3.24
All share tenants.....	5,286	86.1	19.5	21.5	21.5	686	2,671,065	17.89	2.61	291	1.0	16.3	8.4	10.9	931	8,545	5.13
Croppers.....	14,325	87.5	53.0	47.6	45.7	714	5,834,275	18.39	2.57	880	1.7	49.4	25.5	41.4	748	32,725	5.19
Other tenants.....	442	78.9	1.6	1.3	1.6	561	164,995	14.67	2.62	31	2.7	1.7	3.1	2.5	1,500	2,665	7.01
Area 9.....	13,707	75.1	100.0	100.0	100.0	578	5,725,338	14.33	2.48	826	1.8	100.0	100.0	1,635	69,643	7.10	
Owners, part owners, and managers..	5,463	67.1	39.9	44.2	46.6	548	2,608,313	14.00	2.56	480	2.3	58.1	66.8	64.2	1,703	44,728	7.11
Cash tenants.....	191	74.1	1.4	1.8	1.7	633	105,880	15.71	2.48	5	0.2	0.6	0.1	0.2	667	115	7.67
All share tenants.....	5,587	85.0	40.8	40.5	38.6	606	2,279,060	14.76	2.44	255	1.3	30.9	22.3	23.3	1,562	17,025	7.45
Croppers.....	2,100	84.9	15.3	11.2	10.6	609	607,835	14.29	2.34	80	1.8	9.7	8.2	9.0	1,492	5,675	6.41
Other tenants.....	366	71.3	2.7	2.3	2.4	560	124,250	13.09	2.34	6	2.5	0.7	2.6	3.4	1,273	2,100	6.36
Area 10.....	4,323	78.3	100.0	100.0	100.0	586	2,911,471	14.70	2.51	910	8.3	100.0	100.0	1,852	150,306	7.17	
Owners, part owners, and managers..	3,016	76.9	69.8	72.5	74.1	573	2,104,783	14.34	2.50	739	9.6	81.2	88.9	87.9	1,874	131,196	7.12
Cash tenants.....	65	88.2	1.5	1.8	0.9	1,092	46,670	25.09	2.30	...	...	...	...	...	...	...	...
All share tenants.....	491	80.6	11.4	13.2	14.1	551	388,810	13.92	2.53	75	3.7	8.2	4.7	6.1	1,427	9,110	7.15
Croppers.....	710	85.9	16.4	11.8	10.0	690	347,660	17.57	2.55	95	4.1	10.4	3.8	4.6	1,539	7,500	7.85
Other tenants.....	41	73.9	0.9	0.8	0.9	522	23,548	13.89	2.66	1	13.1	0.1	2.6	1.4	3,333	2,500	8.33
Area 11.....	20,753	74.7	100.0	100.0	100.0	682	8,721,519	17.97	2.64	3,352	4.8	100.0	100.0	1,573	232,363	7.44	
Owners, part owners, and managers..	13,091	70.6	63.1	65.7	65.8	681	5,747,149	18.00	2.64	2,608	5.8	77.8	86.7	84.3	1,618	198,926	7.56
Cash tenants.....	196	78.0	0.9	0.9	0.9	693	78,550	18.23	2.63	21	2.8	0.6	0.6	0.5	1,871	1,255	8.10
All share tenants.....	3,187	82.4	15.4	15.6	16.2	658	1,372,705	17.51	2.66	431	3.0	12.9	8.5	9.2	1,458	21,085	7.37
Croppers.....	3,922	87.8	18.9	16.1	15.5	708	1,375,480	18.28	2.58	246	1.5	7.3	2.8	4.1	1,073	8,828	6.92
Other tenants.....	357	74.7	1.7	1.7	1.7	682	147,635	18.32	2.69	46	5.7	1.4	1.4	2.0	1,137	2,269	3.67
North Dakota, total.....	9,924	6.0	100.0	100.0	100.0	64	4,509,111	2.69	4.18	13	(Z)	100.0	100.0	100.0	857	166	1.19
Owners, part owners, and managers..	7,954	6.1	80.1	82.7	82.6	64	3,755,519	2.71	4.21	12	(Z)	92.3	98.3	99.3	849	163	1.17
Cash tenants.....	57	4.9	0.6	0.7	0.4	108	27,208	3.86	3.56	...	(Z)	...	...	...	...	...	...
All share tenants.....	1,830	5.5	18.4	15.5	16.0	62	674,716	2.51	4.03	1	(Z)	7.7	1.7	0.7	2,000	3	3.00
Other tenants.....	83	7.9	0.8	1.0	1.0	67	51,668	3.09	4.61	...	(Z)	...	...	...	...	...	...
Area 1.....	537	1.1	100.0	100.0	100.0	73	165,042	3.09	4.24	3	(Z)	100.0	100.0	100.0	2,000	16	3.20
Owners, part owners, and managers..	477	1.2	88.8	93.4	93.0	73	154,551	3.11	4.25	2	(Z)	66.7	80.0	80.0	2,000	13	3.25
Cash tenants.....	...	...	...	...	...	...	...	...	...	...	(Z)	...	...	...	...	...	...
All share tenants.....	59	0.5	11.0	5.5	6.4	63	9,291	2.72	4.30	1	(Z)	33.3	20.0	20.0	2,000	3	3.00
Other tenants.....	1	1.0	0.2	1.1	0.6	140	1,200	4.00	2.86	...	(Z)	...	...	...	...	...	...
Area 2a.....	313	1.1	100.0	100.0	100.0	50	74,898	1.99	3.97	...	(Z)	...	...	...	...	...	...
Owners, part owners, and managers..	291	1.2	93.0	94.7	92.9	51	71,185	2.04	3.99	...	(Z)	...	...	...	...	...	...
Cash tenants.....	...	...	...	...	...	...	...	...	...	...	(Z)	...	...	...	...	...	...
All share tenants.....	22	0.6	7.0	5.3	7.1	38	3,713	1.40	3.71	...	(Z)	...	...	...	...	...	...
Other tenants.....	...	...	...	...	...	...	...	...	...	...	(Z)	...	...	...	...	...	...
Area 2b.....	119	0.3	100.0	100.0	100.0	51	15,459	2.03	4.03	...	(Z)	...	...	...	...	...	...
Owners, part owners, and managers..	105	0.3	88.2	95.8	95.1	51	14,812	2.05	4.03	...	(Z)	...	...	...	...	...	...
Cash tenants.....	...	...	...	...	...	...	...	...	...	...	(Z)	...	...	...	...	...	...
All share tenants.....	14	0.1	11.8	4.2	4.9	43	647	1.75	4.04	...	(Z)	...	...	...	...	...	...
Other tenants.....	...	...	...	...	...	...	...	...	...	...	(Z)	...	...	...	...	...	...
Area 3a.....	2,359	6.1	100.0	100.0	100.0	43	858,356	1.99	4.61	10	(Z)	100.0	100.0	100.0	815	150	1.11
Owners, part owners, and managers..	1,891	6.4	80.2	82.0	82.7	43	710,802	1.99	4.66	10	(Z)	100.0	100.0	100.0	815	150	1.11
Cash tenants.....	10	4.3	0.4	0.3	0.3	53	3,020	2.68	5.03	...	(Z)	...	...	...	...	...	...
All share tenants.....	444	5.1	18.8	17.2	16.5	45	140,489	1.98	4.38	...	(Z)	...	...	...	...	...	...
Other tenants.....	14	3.1	0.6	0.4	0.5	39	4,045	1.97	5.06	...	(Z)	...	...	...	...	...	...
Area 3b.....	1,411	5.0	100.0	100.0	100.0	53	481,925	2.30	4.33	...	(Z)	...	...	...	...	...	...
Owners, part owners, and managers..	1,145	5.0	81.1	80.6	80.2	53	387,174	2.30	4.32	...	(Z)	...	...	...	...	...	...
Cash tenants.....	1	1.9	0.1	0.3	0.2	78	1,350	3.51	4.50	...	(Z)	...	...	...	...	...	...
All share tenants.....	265	5.2	18.8	19.1	19.6	52	93,401	2.27	4.39	...	(Z)	...	...	...	...	...	...
Other tenants.....	...	...	...	...	...	...	...	...	...	...	(Z)	...	...	...	...	...	...
Area 3c.....	960	4.4	100.0	100.0	100.0	71	265,223	2.89	4.06	...	(Z)	...	...	...	...	...	...
Owners, part owners, and managers..	676	4.6	70.4	80.2	79.9	71	211,033	2.88	4.03	...	(Z)	...	...	...	...	...	...
Cash tenants.....	5	1.1	0.5	0.2	0.1	100	475	4.75	4.75	...	(Z)	...	...	...	...	...	...
All share tenants.....	268	3.9	27.9	19.2	19.3	71	52,592	2.96	4.19	...	(Z)	...	...	...	...	...	...
Other tenants.....	11	4.4	1.1	0.4	0.6	48	1,123	1.94	4.01	...	(Z)	...	...	...	...	...	...
Area 4.....	4,225	23.6	100.0	100.0	100.0	77	2,648,208	3.13	4.05	...	(Z)	...	...	...	...	...	...
Owners, part owners, and managers..	3,369	24.8	79.7	82.5	82.2	77	2,205,962	3.17	4.09	...	(Z)	...	...	...	...	...	...
Cash tenants.....	41	20.2	1.0	1.0	0.6	122	22,363	4.11	3.37	...	(Z)	...	...	...	...	...	...
All share tenants.....	758	18.6	17.9	15.0	15.6	75	374,583	2.84	3.81	...	(Z)	...	...	...	...	...	...
Other tenants.....	57	30.6	1.3	1.5	1.6	70	45,300	3.29	4.67	...	(Z)	...	...	...	...	...	...

Z Less than 0.05.

USE OF FERTILIZER AND LIME

Table 5.—USE AND EXPENDITURES FOR FERTILIZER AND LIME OF COMMERCIAL FARMS BY TENURE OF FARM OPERATOR, BY ECONOMIC AREAS: CENSUS OF 1954—Continued

State, economic area, and tenure of operator	Fertilizer									Lime							
	Farms reporting use of fertilizer	Acres fertilized as a percent of total cropland plus improved pasture	Percent distribution of—			Quantity used per acre fertilized (lb.)	Expenditures (dollars)			Farms reporting use of lime	Acres limed as a percent of total cropland plus improved pasture	Percent distribution of—			Expenditures (dollars)		
			Farms reporting fertilizer	Fertilizer used	Acres fertilized		For fertilizer	Per acre fertilized	Per cent. of fertilizer used			Farms reporting lime	Lime used	Acres limed	Quantity used per acre limed (lb.)	For lime	Per acre limed
Ohio, total.....	110,820	52.2	100.0	100.0	100.0	289	49,332,674	7.74	2.67	40,502	6.4	100.0	100.0	100.0	3,702	5,947,606	7.64
Owners, part owners, and managers..	86,670	50.8	78.2	72.1	70.2	297	35,635,828	7.96	2.68	33,430	6.9	82.5	77.8	78.3	3,677	4,715,657	7.74
Cash tenants.....	2,129	53.3	1.9	1.8	1.7	297	875,060	7.99	2.69	764	6.1	1.9	1.5	1.6	3,481	98,910	7.92
All share tenants.....	19,899	56.7	18.0	24.4	26.2	269	11,950,421	7.16	2.66	5,632	4.8	13.9	18.7	18.3	3,789	1,017,289	7.15
Other tenants.....	2,122	50.6	1.9	1.7	1.9	269	871,365	7.32	2.72	676	6.1	1.7	2.0	1.8	4,051	115,750	8.08
Area 1 and A.....	16,536	52.8	100.0	100.0	100.0	272	8,288,810	7.47	2.75	3,205	2.9	100.0	100.0	100.0	2,780	357,103	5.86
Owners, part owners, and managers..	11,575	52.1	70.0	68.4	66.8	279	5,702,565	7.70	2.76	2,355	3.1	73.5	75.5	72.2	2,908	251,898	5.73
Cash tenants.....	285	58.3	1.7	1.4	1.3	282	114,980	7.81	2.77	30	2.2	0.9	0.4	0.9	1,257	1,765	3.12
All share tenants.....	4,446	54.2	26.9	29.2	30.8	258	2,383,790	6.98	2.71	800	2.5	25.0	23.5	25.9	2,518	101,440	6.43
Other tenants.....	230	48.8	1.4	1.0	1.1	258	87,475	7.23	2.80	20	2.3	0.6	0.6	0.9	1,774	2,000	3.48
Area 2.....	17,069	56.3	100.0	100.0	100.0	258	8,667,623	6.94	2.70	4,878	5.0	100.0	100.0	100.0	3,781	670,946	6.01
Owners, part owners, and managers..	12,229	55.4	71.6	66.3	65.9	259	5,749,174	7.00	2.70	3,506	5.1	71.9	66.8	68.3	3,702	460,956	6.05
Cash tenants.....	211	58.4	1.2	0.9	0.9	257	81,200	7.24	2.82	41	4.1	0.8	0.6	0.7	3,154	4,445	5.70
All share tenants.....	4,319	58.2	25.3	31.3	31.5	256	2,710,489	6.90	2.69	1,281	5.0	26.3	31.4	30.1	3,941	199,245	5.94
Other tenants.....	310	56.8	1.8	1.5	1.8	214	126,760	5.77	2.69	50	2.7	1.0	1.2	0.9	4,929	6,300	5.97
Areas 3, B, C, and D.....	23,152	58.7	100.0	100.0	100.0	276	13,199,781	7.46	2.70	5,074	4.4	100.0	100.0	100.0	3,849	966,661	7.20
Owners, part owners, and managers..	15,870	57.7	68.5	62.0	60.9	281	8,260,361	7.66	2.73	3,607	4.8	71.1	63.9	66.6	3,694	623,484	6.98
Cash tenants.....	417	53.9	1.8	1.6	1.7	268	215,385	7.21	2.69	67	2.8	1.3	1.3	1.2	4,124	10,570	6.71
All share tenants.....	6,290	60.9	27.2	33.8	34.7	269	4,364,645	7.10	2.64	1,280	3.9	25.2	31.9	29.3	4,196	305,707	7.79
Other tenants.....	575	57.8	2.5	2.6	2.7	267	359,390	7.53	2.82	120	4.9	2.4	3.0	3.0	3,816	26,900	6.69
Areas 4a and E.....	4,446	54.6	100.0	100.0	100.0	350	2,220,895	8.92	2.55	2,204	8.7	100.0	100.0	100.0	4,284	280,207	7.04
Owners, part owners, and managers..	3,865	53.7	86.9	83.5	81.8	358	1,845,230	9.07	2.54	1,878	8.3	85.2	80.9	79.4	4,363	228,654	7.23
Cash tenants.....	85	38.4	1.9	1.2	1.3	312	25,080	7.79	2.49	40	4.1	1.8	0.9	0.9	4,609	3,280	9.51
All share tenants.....	406	61.5	9.1	14.1	15.5	319	321,360	8.35	2.62	256	11.8	11.6	16.9	18.5	3,909	44,168	5.98
Other tenants.....	90	59.3	2.0	1.2	1.5	292	29,225	7.84	2.69	30	7.5	1.4	1.3	1.2	4,596	4,105	8.73
Area 4b.....	8,292	54.7	100.0	100.0	100.0	306	3,266,351	7.99	2.61	5,301	11.9	100.0	100.0	100.0	3,682	818,170	9.19
Owners, part owners, and managers..	6,816	53.9	82.2	80.8	79.7	310	2,649,746	8.12	2.62	4,320	11.6	81.5	78.8	79.0	3,671	647,110	9.20
Cash tenants.....	415	60.7	5.0	4.3	4.4	297	136,130	7.55	2.54	260	14.3	4.9	4.1	4.8	3,181	33,750	7.97
All share tenants.....	896	57.7	10.8	13.2	14.0	289	427,340	7.44	2.58	621	12.3	11.7	14.3	13.7	3,832	112,995	9.26
Other tenants.....	165	55.5	2.0	1.7	1.8	280	53,135	7.14	2.54	100	16.6	1.9	2.8	2.5	4,157	24,315	10.93
Areas 5, F, G, and H.....	9,999	49.7	100.0	100.0	100.0	348	3,371,775	9.09	2.61	6,287	12.9	100.0	100.0	100.0	3,934	938,721	9.75
Owners, part owners, and managers..	9,203	49.3	92.0	89.0	89.8	345	2,998,610	9.00	2.61	5,751	12.8	91.5	90.4	89.9	3,957	853,096	9.86
Cash tenants.....	286	59.8	2.9	4.3	3.9	381	148,185	10.14	2.66	156	11.3	2.5	2.3	2.9	3,193	19,720	7.13
All share tenants.....	305	54.1	3.1	5.2	4.7	385	174,750	10.08	2.62	255	16.6	4.1	5.3	5.5	3,746	48,850	9.20
Other tenants.....	205	39.8	2.1	1.5	1.6	338	50,230	8.67	2.56	125	11.5	2.0	2.0	1.7	4,549	17,055	10.18
Area 6a.....	6,589	52.0	100.0	100.0	100.0	301	3,039,184	8.07	2.68	2,557	8.3	100.0	100.0	100.0	3,469	466,043	7.75
Owners, part owners, and managers..	5,453	52.2	82.8	78.6	78.4	302	2,381,404	8.06	2.67	2,172	9.0	84.9	82.8	84.9	3,387	384,178	7.53
Cash tenants.....	80	47.2	1.2	1.0	1.1	276	28,950	7.14	2.58	30	6.1	1.2	0.5	0.9	2,135	2,525	4.86
All share tenants.....	955	51.8	14.5	19.2	19.1	303	590,890	8.19	2.71	330	5.8	12.9	15.5	13.4	4,016	73,920	9.15
Other tenants.....	101	48.6	1.5	1.2	1.4	267	37,940	7.20	2.69	25	4.7	1.0	1.1	0.8	4,392	5,420	10.63
Areas 6b and J.....	7,959	37.6	100.0	100.0	100.0	333	2,333,996	9.01	2.71	4,746	11.1	100.0	100.0	100.0	3,647	678,503	8.90
Owners, part owners, and managers..	7,268	37.1	91.3	88.4	88.1	334	2,053,546	9.00	2.69	4,340	11.1	91.4	89.5	89.3	3,654	603,476	8.87
Cash tenants.....	180	42.4	2.3	2.9	2.6	361	69,915	10.22	2.84	90	7.8	1.9	2.3	1.6	5,203	18,430	14.69
All share tenants.....	346	47.3	4.3	6.4	7.0	303	156,660	8.61	2.84	211	11.8	4.4	5.9	6.0	3,617	40,992	9.02
Other tenants.....	165	30.8	2.1	2.4	2.2	351	53,875	9.32	2.66	105	12.5	2.2	2.3	3.1	2,698	15,605	6.64
Areas 7 and K.....	8,099	41.8	100.0	100.0	100.0	314	2,939,490	7.96	2.54	2,804	7.2	100.0	100.0	100.0	3,873	366,967	5.80
Owners, part owners, and managers..	6,391	40.1	78.9	73.0	69.8	329	2,158,688	8.38	2.55	2,247	7.4	80.1	76.4	75.2	3,934	281,927	5.93
Cash tenants.....	70	41.3	0.9	1.2	1.3	295	36,780	7.94	2.69	5	1.1	0.2	0.3	0.2	5,440	1,075	8.60
All share tenants.....	1,503	47.2	18.6	24.5	27.5	279	707,787	6.96	2.49	492	6.9	17.5	21.1	23.4	3,491	76,850	5.20
Other tenants.....	135	35.5	1.7	1.3	1.4	297	36,235	7.20	2.43	60	5.4	2.1	2.2	1.2	7,197	7,115	9.36
Areas 8a and L.....	3,746	37.0	100.0	100.0	100.0	334	997,766	8.85	2.65	1,206	7.2	100.0	100.0	100.0	3,365	161,318	7.36
Owners, part owners, and managers..	3,459	36.5	92.3	90.7	88.1	343	908,621	7.14	2.66	1,155	7.7	95.8	93.4	95.2	3,300	152,533	7.31
Cash tenants.....	30	40.7	0.8	0.7	1.1	201	8,580	7.00	3.49	10	4.3	0.8	0.5	0.6	2,692	625	4.81
All share tenants.....	211	39.2	5.6	7.2	8.7	274	66,330	6.74	2.46	35	2.9	2.9	4.6	3.3	4,783	7,010	9.80
Other tenants.....	46	48.0	1.2	1.5	2.1	243	14,235	6.11	2.52	6	4.1	0.5	1.5	0.9	5,560	1,150	5.75
Area 8b.....	4,933	31.9	100.0	100.0	100.0	373	1,007,003	9.95	2.67	2,240	7.9	100.0	100.0	100.0	3,631	242,967	9.74
Owners, part owners, and managers..	4,541	32.0	92.1	92.0	91.9	373	927,883	9.98	2.68	2,099	8.1	93.7	93.0	94.8	3,561	228,345	9.66
Cash tenants.....	70	27.5	1.4	1.1	1.1	367	9,875	8.94	2.43	35	4.7	1.6	1.4	0.8	6,526	2,725	14.34
All share tenants.....	222	32.3	4.5	4.8	5.2	342	46,380	8.80	2.58	71	3.8	3.2	3.1	2.5	4,542	6,112	9.79
Other tenants.....	100	29.5	2.0	2.2	1.8	453	22,865	12.56	2.77	35	7.9	1.6	2.5	1.9	4,701	5,785	11.93

USE OF FERTILIZER AND LIME

Table 5.—USE AND EXPENDITURES FOR FERTILIZER AND LIME OF COMMERCIAL FARMS BY TENURE OF FARM OPERATOR,
BY ECONOMIC AREAS: CENSUS OF 1954—Continued

State, economic area, and tenure of operator	Fertilizer									Lime							
	Farms reporting use of fertilizer	Acres fertilized as a percent of total cropland plus improved pasture	Percent distribution of—			Quantity used per acre fertilized (lb.)	Expenditures (dollars)			Farms reporting use of lime	Acres limed as a percent of total cropland plus improved pasture	Percent distribution of—			Quantity used per acre limed (lb.)	Expenditures (dollars)	
			Farms reporting fertilizer	Fertilizer used	Acres fertilized		For fertilizer	Per acre fertilized	Per cwt. of fertilizer used			Farms reporting lime	Lime used	Acres limed		For lime	Per acre limed
Oklahoma, total.....	24,735	13.4	100.0	100.0	100.0	125	6,730,958	3.57	2.86	1,733	0.4	100.0	100.0	100.0	2,606	259,392	4.73
Owners, part owners, and managers..	18,534	13.4	74.9	79.8	76.2	131	5,310,411	3.70	2.83	1,474	0.4	85.1	85.6	80.3	2,779	219,281	4.99
Cash tenants.....	1,106	12.4	4.5	2.6	2.6	127	167,384	3.42	2.69	52	0.2	3.0	1.6	1.7	2,476	2,785	2.95
All share tenants.....	4,570	13.6	18.5	15.9	19.5	102	1,140,028	3.11	3.05	172	0.3	9.9	10.6	14.7	1,877	29,881	3.71
Croppers.....	237	11.6	1.0	0.9	0.8	131	59,255	3.84	2.94	25	1.1	1.4	1.5	2.7	1,512	4,055	2.79
Other tenants.....	288	13.9	1.2	0.8	0.9	112	53,880	3.25	2.90	10	0.3	0.6	0.7	0.7	2,603	3,390	9.29
Area 1.....	874	1.7	100.0	100.0	100.0	92	168,578	2.79	3.03	...	...	...	...	...	...	...	...
Owners, part owners, and managers..	682	1.7	78.0	81.7	79.8	95	136,907	2.84	3.01	...	...	...	...	...	...	...	...
Cash tenants.....	32	3.4	3.7	2.1	3.0	66	2,771	1.55	2.35	...	...	...	...	...	...	...	...
All share tenants.....	157	1.5	18.0	15.4	15.8	90	27,422	2.87	3.20	...	...	...	...	...	...	...	...
Croppers.....	3	2.9	0.3	0.8	1.4	51	1,478	1.73	3.36	...	...	...	...	...	...	...	...
Other tenants.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Area 2.....	4,705	18.8	100.0	100.0	100.0	78	1,624,221	2.86	3.65	369	0.4	100.0	100.0	100.0	2,861	75,165	6.31
Owners, part owners, and managers..	3,233	18.8	68.7	72.0	70.0	81	1,154,424	2.91	3.61	302	0.4	81.8	88.8	72.1	3,521	65,495	7.62
Cash tenants.....	116	12.0	2.5	1.1	1.1	78	15,165	2.47	3.16	5	0.1	1.4	0.7	0.5	4,000	250	4.17
All share tenants.....	1,249	19.9	26.5	25.2	27.1	73	422,515	2.75	3.78	62	0.4	16.8	10.5	27.4	1,098	9,420	2.89
Croppers.....	56	9.1	1.2	0.9	0.7	102	15,447	3.96	3.90	...	...	...	...	...	...	...	...
Other tenants.....	51	18.8	1.1	0.9	1.1	60	16,670	2.57	4.30	...	...	...	...	...	...	...	...
Areas 3 and A.....	2,885	25.9	100.0	100.0	100.0	161	1,075,195	4.34	2.70	395	1.5	100.0	100.0	100.0	2,873	64,360	4.56
Owners, part owners, and managers..	2,390	25.8	82.8	84.9	84.2	162	921,750	4.42	2.73	348	1.5	88.1	91.4	88.5	2,968	60,060	4.81
Cash tenants.....	120	15.1	4.2	3.6	2.8	208	15,165	5.03	2.42	22	1.4	5.6	3.7	4.4	2,416	1,800	2.88
All share tenants.....	337	32.9	11.7	10.7	12.1	143	110,960	3.71	2.60	25	1.1	6.3	4.8	7.1	1,970	2,500	2.51
Croppers.....	12	28.2	0.4	0.3	0.5	92	3,190	2.61	2.85	...	...	...	...	...	...	...	...
Other tenants.....	26	11.9	0.9	0.5	0.5	169	4,485	3.71	2.20	...	...	...	...	...	...	...	...
Area 4.....	4,036	9.3	100.0	100.0	100.0	105	898,414	3.06	2.91	17	(?)	100.0	100.0	100.0	1,584	5,097	4.59
Owners, part owners, and managers..	2,743	9.0	68.0	73.1	71.5	107	648,016	3.08	2.87	11	(?)	64.7	31.7	18.9	2,657	1,197	5.70
Cash tenants.....	282	14.5	7.0	4.9	5.1	102	48,245	3.23	3.17	...	...	...	...	...	...	...	...
All share tenants.....	935	9.4	23.2	20.0	21.7	97	185,748	2.92	3.01	6	0.9	35.3	68.3	81.1	1,333	3,900	4.33
Croppers.....	61	13.6	1.5	1.6	1.2	135	11,410	3.11	2.30	...	...	...	...	...	...	...	...
Other tenants.....	15	7.0	0.4	0.4	0.5	74	4,995	3.29	4.46	...	...	...	...	...	...	...	...
Areas 5 and B.....	3,691	24.2	100.0	100.0	100.0	139	911,036	3.62	2.61	251	0.5	100.0	100.0	100.0	2,286	24,402	4.42
Owners, part owners, and managers..	2,792	25.4	75.6	80.1	76.5	145	726,693	3.78	2.60	205	0.6	81.7	81.2	86.5	2,144	20,081	4.20
Cash tenants.....	247	14.9	6.7	3.4	4.0	118	31,250	3.09	2.62	20	0.3	8.0	4.1	4.3	2,213	665	2.83
All share tenants.....	579	23.1	15.7	15.0	18.0	115	139,818	3.09	2.67	26	0.3	10.4	14.7	9.2	3,646	3,656	7.18
Croppers.....	27	12.0	0.7	0.4	0.4	150	3,185	3.06	2.04	...	...	...	...	...	...	...	...
Other tenants.....	46	23.1	1.2	1.0	1.1	126	10,090	3.67	2.90	...	...	...	...	...	...	...	...
Area 6.....	1,629	17.8	100.0	100.0	100.0	168	344,469	4.22	2.51	96	0.7	100.0	100.0	100.0	3,214	14,825	4.78
Owners, part owners, and managers..	1,222	18.5	75.0	82.9	82.6	169	281,919	4.18	2.48	85	0.8	88.5	94.1	94.8	3,188	14,225	4.83
Cash tenants.....	76	12.1	4.7	3.6	3.0	203	10,810	4.39	2.16	5	0.1	5.2	0.7	0.8	2,800	70	2.80
All share tenants.....	283	16.2	17.4	12.0	13.0	155	46,400	4.38	2.83	6	0.2	6.2	5.2	4.4	3,852	530	3.93
Croppers.....	12	24.2	0.7	0.9	0.5	279	2,445	5.69	2.04	...	...	...	...	...	...	...	...
Other tenants.....	36	15.3	2.2	0.6	0.9	114	2,895	3.91	3.45	...	...	...	...	...	...	...	...
Area 7a.....	969	10.7	100.0	100.0	100.0	170	220,358	4.46	2.61	80	0.3	100.0	100.0	100.0	2,025	4,640	3.47
Owners, part owners, and managers..	722	10.7	74.5	82.9	80.3	176	178,739	4.50	2.56	80	0.4	100.0	100.0	100.0	2,025	4,640	3.47
Cash tenants.....	62	8.3	6.4	3.1	4.5	119	7,500	3.38	2.84	...	...	...	...	...	...	...	...
All share tenants.....	153	11.6	15.8	11.5	12.6	156	28,624	4.60	2.95	...	...	...	...	...	...	...	...
Croppers.....	15	14.5	1.5	1.0	1.5	108	3,300	4.34	4.02	...	...	...	...	...	...	...	...
Other tenants.....	17	11.3	1.8	1.4	1.1	218	2,195	3.92	1.80	...	...	...	...	...	...	...	...
Area 7b.....	1,138	23.6	100.0	100.0	100.0	162	232,325	3.45	2.12	39	0.4	100.0	100.0	100.0	1,722	8,513	6.76
Owners, part owners, and managers..	844	23.6	74.2	82.6	81.0	166	191,125	3.50	2.11	34	0.4	87.2	63.1	76.6	1,420	5,263	5.45
Cash tenants.....	22	18.6	1.9	1.6	1.3	209	4,030	4.69	2.24	...	...	...	...	...	...	...	...
All share tenants.....	232	23.2	20.4	13.0	15.0	141	31,125	3.08	2.19	...	...	...	...	...	...	...	...
Croppers.....	5	18.6	0.4	(2)	0.1	100	125	3.12	3.12	...	...	...	...	...	...	...	...
Other tenants.....	35	27.9	3.1	2.7	2.6	169	5,920	3.35	1.99	5	4.7	12.8	36.9	23.4	2,712	3,250	11.02
Area 8a.....	2,267	25.1	100.0	100.0	100.0	167	694,791	4.62	2.77	231	1.3	100.0	100.0	100.0	2,890	32,960	4.29
Owners, part owners, and managers..	1,692	25.7	74.6	80.3	78.3	171	571,401	4.86	2.84	180	1.2	77.9	73.0	71.4	2,954	22,905	4.17
Cash tenants.....	62	17.1	2.7	1.0	1.0	165	5,676	3.66	2.22	...	...	...	...	...	...	...	...
All share tenants.....	453	24.5	20.0	16.9	19.2	147	107,809	3.73	2.54	36	1.6	15.6	23.1	24.6	2,720	8,700	4.50
Croppers.....	30	17.4	1.3	1.2	0.9	218	6,980	5.08	2.33	15	3.9	6.5	3.8	4.0	2,787	1,355	4.44
Other tenants.....	30	11.5	1.3	0.5	0.5	168	2,925	3.77	2.25	...	...	...	...	...	...	...	...
Area 8b.....	937	22.7	100.0	100.0	100.0	193	223,129	4.97	2.57	94	1.4	100.0	100.0	100.0	1,849	8,533	3.12
Owners, part owners, and managers..	869	22.2	92.7	90.6	87.7	200	198,977	5.06	2.53	79	0.7	84.0	59.7	45.9	2,405	4,978	3.97
Cash tenants.....	10	18.5	1.1	0.8	0.9	171	1,955	4.65	2.72	...	...	...	...	...	...	...	...
All share tenants.....	47	25.2	5.0	6.1	7.3	162	13,302	4.07	2.52	10	2.7	10.6	16.6	13.0	2,366	1,155	3.25
Croppers.....	6	47.9	0.6	2.3	4.0	112	8,650	4.81	4.28	5	30.0	5.3	23.7	41.1	1,067	2,400	2.13
Other tenants.....	5	3.5	0.5	0.1	0.1	200	245	4.90	2.45	...	...	...	...	...	...	...	...
Area 9.....	1,604	18.1	100.0	100.0	100.0	187	338,442	4.88	2.61	161	1.6	100.0	100.0	100.0	1,946	20,897	3.46
Owners, part owners, and managers..	1,345	17.9	83.9	89.5	88.4	189	300,460	4.90	2.59	150	1.7	93.2	97.3	98.3	1,926	20,347	

USE OF FERTILIZER AND LIME

Table 5.—USE AND EXPENDITURES FOR FERTILIZER AND LIME OF COMMERCIAL FARMS BY TENURE OF FARM OPERATOR, BY ECONOMIC AREAS: CENSUS OF 1954—Continued

State, economic area, and tenure of operator	Fertilizer									Lime							
	Farms reporting use of fertilizer	Acres fertilized as a percent of total cropland plus improved pasture	Percent distribution of—			Quantity used per acre fertilized (lb.)	Expenditures (dollars)			Farms reporting use of lime	Acres limed as a percent of total cropland plus improved pasture	Percent distribution of—			Expenditures (dollars)		
			Farms reporting fertilizer	Fertilizer used	Acres fertilized		For fertilizer	Per acre fertilized	Per cent. of fertilizer used			Farms reporting lime	Lime used	Acres limed	For lime	Per acre limed	
Oregon, total.....	17,483	23.8	100.0	100.0	100.0	226	11,375,165	8.91	3.94	1,369	0.4	100.0	100.0	100.0	3,000	321,946	15.31
Owners, part owners, and managers..	15,805	23.8	90.4	87.9	86.0	231	9,881,171	8.99	3.90	1,276	0.4	93.2	85.1	89.3	2,859	272,962	14.54
Cash tenants.....	348	26.0	2.0	2.0	1.6	286	228,087	11.24	3.93	25	0.4	1.8	1.9	1.5	3,869	5,850	19.18
All share tenants.....	1,226	23.5	7.0	9.6	11.8	183	1,219,456	8.07	4.41	62	0.3	4.5	12.4	8.9	4,214	41,364	22.20
Other tenants.....	104	17.6	0.6	0.5	0.5	205	46,451	6.91	3.38	6	0.2	0.4	0.6	0.4	4,500	1,770	22.12
Area 1a.....	1,053	12.2	100.0	100.0	100.0	296	218,226	10.48	3.55	151	0.8	100.0	100.0	100.0	5,551	33,386	26.04
Owners, part owners, and managers..	962	12.9	91.4	91.9	91.6	297	200,061	10.50	3.54	136	0.8	90.1	94.2	92.6	5,650	31,116	26.21
Cash tenants.....	20	4.2	1.9	1.6	1.3	349	4,320	15.71	4.50	...	...	...	...	...	...	...	...
All share tenants.....	60	10.9	5.7	4.4	6.2	208	10,005	7.76	3.73	15	0.8	9.9	5.8	7.4	4,316	2,270	23.89
Other tenants.....	11	3.8	1.0	2.1	0.9	684	3,840	19.90	2.91	...	...	...	...	...	...	...	...
Area 1b.....	1,148	28.4	100.0	100.0	100.0	242	397,834	7.44	3.07	105	0.8	100.0	100.0	100.0	2,753	16,616	11.27
Owners, part owners, and managers..	1,085	28.0	94.5	92.8	92.2	244	375,701	7.62	3.13	104	0.8	99.0	94.1	96.6	2,681	15,536	10.91
Cash tenants.....	16	12.8	1.4	0.8	0.9	210	3,657	7.39	3.52	...	...	...	...	...	...	...	...
All share tenants.....	25	35.4	2.2	2.3	1.9	295	5,930	5.99	2.03	...	...	...	...	...	...	...	...
Other tenants.....	22	48.1	1.9	4.2	5.0	200	12,546	4.65	2.32	1	0.9	1.0	5.9	3.4	4,800	1,080	21.60
Areas 2a and A.....	7,019	42.4	100.0	100.0	100.0	285	3,193,132	11.36	3.99	742	1.2	100.0	100.0	100.0	3,157	122,191	15.45
Owners, part owners, and managers..	6,612	42.2	94.2	92.8	92.3	287	2,957,215	11.40	3.98	691	1.2	93.1	87.5	89.9	3,073	109,279	15.37
Cash tenants.....	160	45.8	2.3	2.7	2.2	344	87,560	14.00	4.07	25	2.2	3.4	4.7	3.9	3,869	5,850	19.18
All share tenants.....	222	45.3	3.2	4.1	4.9	242	133,482	9.77	4.04	21	1.5	2.8	7.3	5.8	3,935	6,372	13.85
Other tenants.....	25	40.5	0.4	0.4	0.6	190	14,875	8.20	4.32	5	0.7	0.7	0.5	0.4	4,000	690	23.00
Area 2b.....	3,341	50.0	100.0	100.0	100.0	236	2,821,179	8.98	3.81	319	1.4	100.0	100.0	100.0	2,815	141,231	15.62
Owners, part owners, and managers..	3,041	48.8	91.0	86.7	86.5	236	2,404,265	8.85	3.74	293	1.4	91.8	77.9	85.5	2,564	108,509	14.03
Cash tenants.....	60	68.2	1.8	1.9	2.2	208	53,205	7.68	3.69	...	...	...	...	...	...	...	...
All share tenants.....	225	60.1	6.7	11.3	11.2	237	361,014	10.22	4.31	26	2.2	8.2	22.1	14.5	4,304	32,722	25.02
Other tenants.....	15	8.8	0.4	0.1	0.1	197	2,695	8.84	4.49	...	...	...	...	...	...	...	...
Area 3.....	1,392	17.9	100.0	100.0	100.0	81	1,635,120	5.04	6.26	11	(2)	100.0	100.0	100.0	960	136	5.44
Owners, part owners, and managers..	1,131	18.5	81.2	81.1	79.0	83	1,316,580	5.14	6.22	11	(2)	100.0	100.0	100.0	960	136	5.44
Cash tenants.....	7	12.5	0.5	0.1	0.3	35	2,833	3.34	9.44	...	...	...	...	...	...	...	...
All share tenants.....	240	16.5	17.2	18.5	20.4	73	310,857	4.69	6.44	...	...	...	...	...	...	...	...
Other tenants.....	14	7.9	1.0	0.3	0.3	72	4,850	4.62	6.38	...	...	...	...	...	...	...	...
Area 4.....	3,530	14.8	100.0	100.0	100.0	315	3,109,674	10.99	3.49	41	0.1	100.0	100.0	100.0	1,130	8,386	6.47
Owners, part owners, and managers..	2,974	14.1	84.2	85.6	85.9	313	2,627,349	10.81	3.45	41	0.1	100.0	100.0	100.0	1,130	8,386	6.47
Cash tenants.....	85	14.8	2.4	2.2	1.9	361	76,512	13.92	3.86	...	...	...	...	...	...	...	...
All share tenants.....	454	24.6	12.9	11.9	11.9	316	398,168	11.85	3.75	...	...	...	...	...	...	...	...
Other tenants.....	17	10.8	0.5	0.3	0.2	340	7,645	11.60	3.41	...	...	...	...	...	...	...	...
Pennsylvania, total.....	70,395	46.1	100.0	100.0	100.0	381	28,970,202	9.83	2.58	33,611	9.0	100.0	100.0	100.0	2,714	4,496,230	7.76
Owners, part owners, and managers..	62,270	44.9	88.5	86.1	85.2	385	25,063,376	9.98	2.59	30,654	9.4	91.2	91.2	90.6	2,734	4,097,692	7.81
Cash tenants.....	2,062	51.4	2.9	3.4	3.3	392	1,004,682	10.19	2.60	866	8.3	2.6	2.6	2.8	2,521	114,170	7.15
All share tenants.....	4,627	57.2	6.6	8.6	9.4	350	2,369,894	8.56	2.45	1,525	6.1	4.5	4.6	5.1	2,487	215,605	7.35
Other tenants.....	1,436	45.2	2.0	1.9	2.1	349	532,250	8.79	2.52	566	6.9	1.7	1.6	1.6	2,669	68,763	7.43
Areas 1a, A, and B.....	6,692	44.0	100.0	100.0	100.0	369	2,178,697	9.90	2.68	3,764	10.3	100.0	100.0	100.0	3,249	447,858	8.69
Owners, part owners, and managers..	6,412	43.6	95.8	95.2	94.7	371	2,076,857	9.97	2.69	3,604	10.3	95.7	96.0	95.5	3,267	430,698	8.75
Cash tenants.....	110	41.8	1.6	2.0	1.8	416	40,755	10.20	2.46	50	7.9	1.3	1.3	1.5	2,967	6,280	8.32
All share tenants.....	85	64.6	1.3	1.4	2.2	235	29,025	6.12	2.60	65	12.9	1.7	1.4	1.8	2,389	4,570	4.81
Other tenants.....	85	49.7	1.3	1.4	1.3	386	32,060	10.90	2.82	45	10.3	1.2	1.3	1.2	3,557	6,310	10.34
Area 1b.....	3,867	37.0	100.0	100.0	100.0	329	1,039,040	8.51	2.59	2,449	11.2	100.0	100.0	100.0	3,023	312,272	8.44
Owners, part owners, and managers..	3,711	37.5	96.0	96.0	96.2	328	998,116	8.50	2.59	2,379	11.6	97.1	97.6	97.9	3,016	304,932	8.42
Cash tenants.....	40	23.0	1.0	0.8	0.8	334	8,080	8.12	2.43	15	7.2	0.6	0.9	0.8	3,290	2,985	9.63
All share tenants.....	66	33.7	1.7	1.7	1.9	303	18,264	7.99	2.64	35	5.2	1.4	1.0	0.9	3,229	2,810	8.03
Other tenants.....	50	24.2	1.3	1.4	1.1	435	14,580	11.00	2.53	20	2.2	0.8	0.4	0.3	4,083	1,545	12.88
Area 2.....	6,539	23.9	100.0	100.0	100.0	365	1,567,173	9.31	2.55	4,634	11.2	100.0	100.0	100.0	2,749	760,533	9.69
Owners, part owners, and managers..	6,179	23.9	94.5	94.9	94.4	368	1,483,548	9.37	2.55	4,394	11.1	94.8	95.0	94.3	2,768	723,623	9.77
Cash tenants.....	110	27.9	1.7	1.0	1.2	303	14,815	7.43	2.45	65	10.8	1.4	0.9	1.0	2,506	7,630	9.91
All share tenants.....	135	26.4	2.1	2.7	3.0	326	42,880	8.41	2.58	90	12.6	1.9	2.6	3.1	2,263	19,935	8.19
Other tenants.....	115	18.1	1.8	1.4	1.4	364	20,930	8.91	2.49	85	9.6	1.8	1.6	1.6	2,718	9,345	7.54
Area 3.....	2,069	47.3	100.0	100.0	100.0	360	844,823	9.65	2.68	1,031	9.4	100.0	100.0	100.0	2,510	106,942	6.13
Owners, part owners, and managers..	1,904	46.1	92.0	88.5	88.9	358	744,328	9.56	2.67	921	9.4	89.3	89.2	91.4	2,450	95,677	6.00
Cash tenants.....	46	59.3	2.2	4.6	2.9	490	35,550	13.86	2.83	35	9.0	3.4	3.0	2.2	3,333	3,545	9.09
All share tenants.....	85	57.7	4.1	5.6	6.0	334	45,150	8.62	2.58	55	7.3	5.3	4.1	3.8	2,712	4,435	6.72
Other tenants.....	35	67.8	1.7	2.0	2.1	337	19,795	10.59	3.14	20	16.5	1.9	3.8	2.6	3,626	3,285	7.22

USE OF FERTILIZER AND LIME

271

**Table 5.—USE AND EXPENDITURES FOR FERTILIZER AND LIME OF COMMERCIAL FARMS BY TENURE OF FARM OPERATOR,
BY ECONOMIC AREAS: CENSUS OF 1954—Continued**

State, economic area, and tenure of operator	Fertilizer									Lime							
	Farms report- ing use of ferti- lizer	Acres ferti- lized as a percent of total cropland plus improved pasture	Percent distribution of—		Quan- tity used per acre ferti- lized (lb.)	Expenditures (dollars)			Farms report- ing use of lime	Acres limed as a percent of total cropland plus improved pastur-	Percent distribution of—		Quan- tity used per acre limed (lb.)	Expenditures (dollars)			
			Farms re- port- ing ferti- lizer	Acres ferti- lized		For fertilizer	Per acre ferti- lized	Per cnt. of ferti- lizer used			Farms re- port- ing lime	Acres limed		For lime	Per acre limed		
Pennsylvania—Continued																	
Area 4a.....	3,557	38.2	100.0	100.0	308	1,022,001	8.14	2.64	2,221	12.1	100.0	100.0	100.0	2,677	289,620	7.30	
Owners, part owners, and managers..	3,412	38.5	95.9	96.5	308	983,871	8.13	2.54	2,146	12.0	96.6	95.8	95.2	2,696	279,805	7.42	
Cash tenants.....	35	31.4	1.0	0.7	0.8	265	8,235	7.73	2.92	15	6.8	0.7	0.6	2,957	1,325	5.76	
All share tenants.....	70	34.5	2.0	2.2	2.1	321	23,315	8.83	2.75	40	14.7	1.8	2.3	2,124	5,640	5.01	
Other tenants.....	40	26.3	1.1	0.6	0.6	288	6,580	8.17	2.84	20	18.3	0.9	1.3	2,429	2,850	5.09	
Area D.....	4,002	26.4	100.0	100.0	323	932,610	8.33	2.58	2,613	9.6	100.0	100.0	100.0	2,910	342,330	8.43	
Owners, part owners, and managers..	3,657	27.0	91.4	93.1	325	870,040	8.40	2.58	2,433	9.8	93.1	92.4	92.2	2,914	316,435	8.45	
Cash tenants.....	170	19.9	4.2	3.4	3.4	323	32,970	8.71	2.69	95	8.4	3.6	5.1	3,738	15,040	9.40	
All share tenants.....	65	18.7	1.6	1.4	1.5	293	11,160	6.66	2.28	40	11.1	1.5	1.5	2,479	6,595	6.63	
Other tenants.....	110	25.7	2.7	2.1	2.6	263	18,440	6.36	2.42	45	5.0	1.7	1.1	2,221	4,210	7.39	
Area 4b and E.....	3,501	35.5	100.0	100.0	367	1,215,095	9.41	2.56	1,867	10.1	100.0	100.0	100.0	2,707	275,070	7.51	
Owners, part owners, and managers..	3,321	35.6	94.9	93.8	366	1,135,560	9.36	2.55	1,782	10.1	95.4	93.8	94.4	2,693	256,355	7.42	
Cash tenants.....	85	47.3	2.4	4.0	2.4	504	50,580	13.58	2.70	25	7.2	1.3	1.4	2,404	4,425	7.76	
All share tenants.....	45	28.7	1.3	0.9	1.6	216	12,220	6.05	2.80	35	14.4	1.9	2.8	2,778	8,240	8.12	
Other tenants.....	50	26.5	1.4	1.3	1.5	305	16,735	8.39	2.75	25	6.4	1.3	1.9	3,979	6,050	12.60	
Area 5 and F.....	7,932	49.3	100.0	100.0	297	2,875,002	7.48	2.52	2,915	6.9	100.0	100.0	100.0	2,955	442,730	8.23	
Owners, part owners, and managers..	6,820	48.4	86.0	84.4	303	2,424,830	7.63	2.52	2,584	7.1	88.6	87.8	86.4	3,000	383,200	8.24	
Cash tenants.....	262	50.9	3.3	3.3	299	102,947	8.21	2.75	91	11.6	3.1	4.4	5.3	2,430	17,055	5.95	
All share tenants.....	670	54.2	8.4	10.0	11.5	259	282,380	6.40	2.47	210	4.8	7.2	7.0	2,836	38,220	9.77	
Other tenants.....	180	53.7	2.3	2.3	2.6	258	64,845	6.51	2.53	30	2.8	1.0	0.9	2,667	4,255	8.10	
Area 6, C, and G.....	5,856	53.0	100.0	100.0	419	2,772,475	10.48	2.50	2,984	9.7	100.0	100.0	100.0	2,333	353,281	7.29	
Owners, part owners, and managers..	5,495	52.3	93.8	93.6	424	2,593,020	10.60	2.50	2,844	9.9	94.0	94.1	95.1	2,308	334,261	7.26	
Cash tenants.....	95	57.6	1.6	1.6	428	44,430	10.82	2.53	65	11.2	2.2	1.8	1.6	2,616	6,190	7.79	
All share tenants.....	165	63.4	2.8	3.3	422	95,120	8.54	2.57	65	6.8	2.2	3.1	2.5	2,908	9,025	7.52	
Other tenants.....	101	66.6	1.7	1.5	360	39,905	8.54	2.37	50	5.4	1.7	1.0	0.8	2,895	3,805	10.01	
Area 7 and H.....	7,330	57.3	100.0	100.0	332	3,584,540	8.65	2.61	2,510	7.5	100.0	100.0	100.0	2,904	339,416	6.27	
Owners, part owners, and managers..	6,005	56.3	81.9	80.8	341	2,969,305	9.11	2.67	2,145	7.9	85.5	84.6	84.4	2,913	289,396	6.34	
Cash tenants.....	155	56.2	2.1	2.1	356	71,145	8.70	2.44	50	5.6	2.0	1.5	1.5	2,939	4,705	5.74	
All share tenants.....	975	63.7	13.3	14.7	289	468,710	6.68	2.31	250	5.6	10.0	11.4	11.3	2,919	36,720	5.99	
Other tenants.....	195	51.4	2.7	2.3	324	75,380	7.72	2.38	65	7.9	2.6	2.4	2.8	2,540	8,595	5.73	
Area J and K.....	9,287	61.6	100.0	100.0	468	4,535,502	11.64	2.48	3,089	7.3	100.0	100.0	100.0	2,365	335,494	7.29	
Owners, part owners, and managers..	7,091	60.7	76.4	72.9	477	3,324,867	11.91	2.50	2,424	7.9	78.5	80.2	78.4	2,422	258,899	7.18	
Cash tenants.....	375	67.6	4.0	4.3	470	196,205	11.80	2.51	155	8.6	5.0	4.4	4.0	2,266	1,380	6.83	
All share tenants.....	1,601	63.0	17.2	20.4	21.5	445	905,180	10.83	2.43	440	5.2	14.2	13.8	15.0	2,170	56,325	8.16
Other tenants.....	220	66.0	2.4	2.4	420	109,250	10.39	2.47	70	6.0	2.3	1.6	2.1	1,864	5,890	6.17	
Area L, M, and N.....	9,763	56.9	100.0	100.0	458	6,403,244	12.05	2.63	3,534	8.1	100.0	100.0	100.0	2,279	490,684	6.49	
Owners, part owners, and managers..	8,263	56.8	84.6	84.9	473	4,454,034	12.48	2.64	3,038	8.5	86.0	87.4	86.4	2,305	424,361	6.50	
Cash tenants.....	580	59.6	5.9	6.2	7.3	389	398,970	10.22	2.63	205	7.3	5.8	5.5	6.3	2,000	30,610	6.43
All share tenants.....	665	58.4	6.8	7.1	3.9	436,490	9.90	2.54	200	4.8	5.7	4.5	4.8	2,140	23,090	6.33	
Other tenants.....	255	47.0	2.6	1.9	2.2	394	113,750	9.92	2.52	91	7.6	2.6	3.5	2,342	12,623	6.80	
Rhode Island, total (Areas 1 and A).....	566	33.6	100.0	100.0	748	307,311	20.82	2.78	192	6.4	100.0	100.0	100.0	2,045	25,981	9.17	
Owners, part owners, and managers..	521	33.1	92.0	90.8	735	280,851	20.59	2.80	187	6.8	97.4	97.2	98.6	2,017	25,181	9.02	
Cash tenants.....	45	40.7	8.0	9.2	7.6	907	26,460	23.62	2.60	5	1.5	2.6	2.8	1.4	4,000	800	20.00
All share tenants.....
Other tenants.....
South Carolina, total.....	70,143	71.1	100.0	100.0	491	31,848,807	11.41	2.32	4,348	3.2	100.0	100.0	100.0	1,744	660,180	4.86	
Owners, part owners, and managers..	33,948	66.6	48.4	65.3	67.9	471	20,822,301	10.98	2.33	3,351	3.9	77.1	89.6	90.2	1,732	536,432	4.77
Cash tenants.....	3,240	76.6	4.6	3.6	4.1	435	1,182,300	10.44	2.40	151	1.7	3.5	2.3	2.0	2,036	13,310	5.57
All share tenants.....	12,502	81.2	17.8	13.2	11.9	544	4,231,495	12.75	2.34	317	0.9	7.3	2.9	2.9	1,738	20,426	5.57
Croppers.....	18,512	90.1	26.4	16.1	14.1	459	5,008,365	12.70	2.27	435	1.0	10.0	3.7	3.5	1,867	26,435	6.08
Other tenants.....	1,941	69.5	2.8	1.9	2.0	557	604,346	10.88	2.38	94	2.1	2.2	1.4	1.3	1,784	9,027	5.42
Area 1.....	1,533	62.9	100.0	100.0	413	562,822	10.44	2.52	247	8.4	100.0	100.0	100.0	1,821	35,238	4.90	
Owners, part owners, and managers..	912	59.2	59.5	66.7	68.8	401	375,572	10.12	2.53	217	10.7	87.9	91.4	93.5	1,779	32,203	4.79
Cash tenants.....	55	84.4	3.6	5.4	3.3	669	32,835	18.39	2.75	5	4.3	2.0	3.1	1.3	4,444	1,200	13.33
All share tenants.....	271	68.0	17.7	14.7	16.6	366	82,535	9.21	2.51	10	1.1	4.0	1.4	1.9	1,286	480	3.43
Croppers.....	275	80.2	17.9	12.5	10.5	490	67,505	11.88	2.43	15	3.3	6.1	4.2	3.3	2,340	1,355	5.77
Other tenants.....	20	69.4	1.3	0.8	0.7	442	4,375	11.36	2.57	...	...	...	...	...	...	...
Area 2.....	7,781	67.0	100.0	100.0	416	3,329,322	9.49	2.28	963	6.1	100.0	100.0	100.0	1,603	136,480	4.27	
Owners, part owners, and managers..	4,312	64.1	55.4	74.2	75.6	408	2,485,448	9.37	2.29	756	6.4	78.5	87.7	89.8	1,564	118,604	4.13
Cash tenants.....	195	67.5	2.5	1.8	1.8	409	57,970	9.19	2.25	10	2.1	1.0	0.8	0.6	2,000	850	4.25
All share tenants.....	828	69.6	10.6	7.1	7.0	422	236,804	9.60	2.28	47	3.0	4.9	4.7	3.4	2,223	6,391	5.95
Croppers.....	2,246	87.2	28.9	15.4	13.9	462	491,290	10.08	2.18	105	2.0	10.9	4.2	3.5	1,912	6,590	5.75
Other tenants.....	200	62.7	2.6	1.4	1.7	356	57,810	9.72	2.73	45	8.9	4.7	2.7	2.6	1,631	4,105	4.89

USE OF FERTILIZER AND LIME

Table 5.—USE AND EXPENDITURES FOR FERTILIZER AND LIME OF COMMERCIAL FARMS BY TENURE OF FARM OPERATOR, BY ECONOMIC AREAS: CENSUS OF 1954—Continued

State, economic area, and tenure of operator	Fertilizer									Lime								
	Farms reporting use of fertilizer	Acres fertilized as a percent of total cropland plus improved pasture	Percent distribution of—			Quantity used per acre fertilized (lb.)	Expenditures (dollars)			Farms reporting use of lime	Acres limed as a percent of total cropland plus improved pasture	Percent distribution of—			Quantity used per acre limed (lb.)	Expenditures (dollars)		
			Farms reporting fertilizer	Fertilizer used	Acres fertilized		For fertilizer	Per acre fertilized	Per cwt. of fertilizer used			Farms reporting lime	Lime used	Acres limed		For lime	Per acre limed	
South Carolina—Continued																		
Area 3.....	4,696	60.4	100.0	100.0	100.0	411	1,683,717	9.00	2.19	313	3.4	100.0	100.0	100.0	1,885	50,898	4.81	
Owners, part owners, and managers..	2,155	56.0	45.9	65.0	68.8	388	1,101,881	8.56	2.21	283	4.4	90.4	96.1	94.9	1,911	49,688	4.95	
Cash tenants.....	90	63.7	1.9	1.0	1.1	384	17,130	8.24	2.15	5	3.4	1.6	2.0	1.0	3,636	250	2.27	
All share tenants.....	566	59.2	12.1	9.3	9.1	418	156,786	9.17	2.20	20	1.4	6.4	1.8	3.8	864	760	1.88	
Croppers.....	1,750	86.2	37.3	27.2	19.6	486	381,880	10.42	2.15	5	0.1	1.6	0.1	0.3	667	200	6.67	
Other tenants.....	135	47.9	2.9	1.6	1.4	455	26,040	9.79	2.15	...	...	...	...	...	...	...	...
Area 4.....	4,211	60.8	100.0	100.0	100.0	401	1,650,875	9.08	2.26	526	4.6	100.0	100.0	100.0	1,756	59,464	4.31	
Owners, part owners, and managers..	2,299	57.2	54.6	74.7	76.9	390	1,242,475	8.89	2.28	444	5.4	84.4	94.4	94.8	1,749	55,599	4.25	
Cash tenants.....	160	57.3	3.8	2.2	2.4	370	36,625	8.52	2.30	...	...	...	...	...	...	...	...
All share tenants.....	525	76.4	12.5	7.1	7.0	408	114,665	9.05	2.22	20	1.3	3.8	1.6	1.6	1,824	940	4.37	
Croppers.....	1,125	83.1	26.7	14.5	12.0	485	231,220	10.59	2.18	50	1.4	9.5	2.7	2.6	1,808	2,180	5.97	
Other tenants.....	102	74.2	2.4	1.5	1.7	346	25,890	8.03	2.42	12	3.3	2.3	1.3	1.0	2,214	745	5.32	
Areas 5, A, and B.....	5,946	66.3	100.0	100.0	100.0	446	3,035,102	9.95	2.23	372	2.3	100.0	100.0	100.0	1,966	60,523	5.61	
Owners, part owners, and managers..	3,542	61.6	59.6	70.8	72.0	438	2,134,947	9.72	2.22	227	2.4	61.0	79.3	79.6	1,960	46,128	5.38	
Cash tenants.....	326	71.7	5.5	3.9	4.3	400	134,740	10.30	2.57	15	1.8	4.0	3.0	3.0	2,000	2,110	6.59	
All share tenants.....	676	83.5	11.4	9.0	8.2	488	274,645	10.92	2.24	40	1.9	10.8	5.4	5.4	1,966	3,775	6.45	
Croppers.....	1,240	90.7	20.9	14.5	13.2	489	434,770	10.80	2.21	85	2.7	22.8	11.5	11.3	2,000	8,015	6.57	
Other tenants.....	162	64.8	2.7	1.9	2.3	375	56,100	8.16	2.17	5	0.7	1.3	0.7	0.7	2,000	495	6.60	
Area 6.....	19,707	77.3	100.0	100.0	100.0	473	11,127,699	10.70	2.26	912	2.5	100.0	100.0	100.0	1,780	176,144	5.15	
Owners, part owners, and managers..	8,459	73.5	42.9	67.3	68.6	464	7,543,403	10.57	2.28	660	3.2	72.4	90.8	90.6	1,785	157,757	5.10	
Cash tenants.....	1,717	81.3	8.7	5.7	6.5	413	644,875	9.58	2.32	76	1.6	8.3	4.1	3.9	1,851	7,590	5.64	
All share tenants.....	3,335	86.7	16.9	10.3	9.7	504	1,129,500	11.23	2.23	60	0.5	6.6	1.5	1.6	1,774	3,130	5.91	
Croppers.....	5,561	93.1	28.2	14.7	13.0	534	1,587,940	11.73	2.20	95	0.7	10.4	2.4	2.8	1,515	5,215	5.38	
Other tenants.....	635	75.3	3.2	2.0	2.2	433	222,431	9.65	2.23	21	1.2	2.3	1.1	1.1	1,866	2,452	6.59	
Area 7.....	21,478	80.0	100.0	100.0	100.0	641	7,865,960	16.32	2.54	763	1.5	100.0	100.0	100.0	1,473	41,635	4.76	
Owners, part owners, and managers..	8,337	73.4	38.8	43.6	45.9	608	3,583,490	16.18	2.66	528	2.4	69.2	81.5	83.1	1,446	32,285	4.44	
Cash tenants.....	541	72.8	2.5	2.6	3.0	552	213,340	14.61	2.65	35	1.9	4.6	4.8	4.3	1,632	1,460	3.84	
All share tenants.....	6,035	85.8	28.1	28.7	28.3	650	2,166,115	15.87	2.44	115	0.4	15.1	7.3	7.8	1,372	4,890	7.14	
Croppers.....	6,045	91.2	28.1	23.1	20.7	715	1,733,935	17.36	2.43	80	0.4	10.5	6.3	4.5	2,051	2,940	7.44	
Other tenants.....	520	77.2	2.4	2.0	2.0	654	169,080	17.57	2.69	5	0.2	0.7	0.1	0.2	500	60	3.00	
Areas 8 and C.....	4,791	64.4	100.0	100.0	100.0	602	2,593,310	13.56	2.25	252	2.5	100.0	100.0	100.0	1,882	45,798	6.18	
Owners, part owners, and managers..	3,932	63.5	82.1	91.0	89.6	612	2,355,085	13.75	2.25	236	2.6	93.7	95.9	96.2	1,877	44,218	6.21	
Cash tenants.....	156	82.6	3.3	1.8	2.0	533	44,785	11.63	2.18	5	0.8	2.0	0.7	0.5	2,857	350	10.00	
All share tenants.....	266	66.3	5.6	2.6	3.3	481	70,445	11.25	2.34	5	0.3	2.0	0.2	0.4	1,000	60	2.00	
Croppers.....	270	90.7	5.6	2.9	3.1	560	79,775	13.36	2.39	...	...	...	...	...	...	...	...
Other tenants.....	167	59.8	3.5	1.7	2.0	509	43,220	11.21	2.20	6	3.4	2.4	3.2	3.0	2,000	1,170	5.32	
South Dakota, total.....	10,359	2.8	100.0	100.0	100.0	140	3,191,349	5.83	4.18	111	(Z)	100.0	100.0	100.0	1,371	2,631	2.99	
Owners, part owners, and managers..	7,338	2.7	70.8	72.2	71.8	140	2,300,514	5.86	4.17	91	(Z)	82.0	94.2	90.9	1,421	2,296	2.87	
Cash tenants.....	98	2.4	0.9	1.0	1.0	145	30,101	5.55	3.83	20	(Z)	...	...	...	...	...	...
All share tenants.....	2,816	3.2	27.2	26.0	26.4	137	837,504	5.79	4.22	20	(Z)	18.0	5.8	9.1	875	335	4.19	
Other tenants.....	107	2.6	1.0	0.8	0.8	137	23,230	5.40	3.95	...	...	...	...	...	...	...	...
Area 1.....	372	0.4	100.0	100.0	100.0	181	137,779	8.12	4.48	2	(Z)	100.0	100.0	100.0	2,667	58	6.44	
Owners, part owners, and managers..	288	0.4	77.4	70.4	79.3	161	97,882	7.28	4.52	2	(Z)	100.0	100.0	100.0	2,667	58	6.44	
Cash tenants.....	6	0.2	1.6	1.5	1.1	242	1,755	9.24	3.82	...	...	...	...	...	...	...	...
All share tenants.....	78	0.8	21.0	28.1	19.6	259	38,142	11.45	4.41	...	...	...	...	...	...	...	...
Other tenants.....
Area 2a.....	209	0.4	100.0	100.0	100.0	76	53,028	3.60	4.74	3	(Z)	100.0	100.0	100.0	1,355	220	3.55	
Owners, part owners, and managers..	174	0.5	83.3	90.2	85.1	80	48,432	3.86	4.80	3	(Z)	100.0	100.0	100.0	1,355	220	3.55	
Cash tenants.....
All share tenants.....	29	0.3	13.9	7.5	11.5	50	3,676	2.17	4.38	...	...	...	...	...	...	...	...
Other tenants.....	6	1.7	2.9	2.3	3.4	52	920	1.84	3.54	...	...	...	...	...	...	...	...
Area 2b.....	845	1.6	100.0	100.0	100.0	112	249,817	4.70	4.19	16	(Z)	100.0	100.0	100.0	1,024	423	2.06	
Owners, part owners, and managers..	721	1.9	85.3	89.5	87.2	115	220,471	4.75	4.13	16	(Z)	100.0	100.0	100.0	1,024	423	2.06	
Cash tenants.....
All share tenants.....	124	0.9	14.7	10.5	12.8	92	29,346	4.33	4.69	...	...	...	...	...	...	...	...
Other tenants.....
Area 3a.....	400	1.2	100.0	100.0	100.0	87	81,143	4.03	4.64	...	...	...	...	...	...	...	...
Owners, part owners, and managers..	312	1.3	78.0	84.9	80.4	92	68,085	4.21	4.59	...	...	...	...	...	...	...	...
Cash tenants.....
All share tenants.....	82	1.1	20.5	14.2	18.8	66	12,218	3.23	4.93	...	...	...	...	...	...	...	...
Other tenants.....	6	2.0	1.5	0.9	0.8	103	840	5.42	5.25	...	...	...	...	...	...	...	...
Area 3b.....	1,677	3.2	100.0	100.0	100.0	132	470,677	6.03	4.57	35	(Z)	100.0	100.0	100.0	2,256	695	3.56	
Owners, part owners, and managers..	1,247	3.5	74.4	79.9	75.9	139	368,487	6.22	4.48	25	(Z)	71.4	95.5	92.3	2,333	545	3.03	
Cash tenants.....	1	0.4	0.1	0.1	0.1	100	400	5.00	5.00	...	...	...	...	...	...	...	...
All share tenants.....	424	2.4	25.3	19.8	23.9	109	100,695	5.40	4.90	10	(Z)	28.6	4.5	7.7	1,333	150	10.00	
Other tenants.....	5	1.0	0.3	0.2	0.1	240	1,095	10.95	4.56	...	...	...	...	...	...	...	...

USE OF FERTILIZER AND LIME

273

**Table 5.—USE AND EXPENDITURES FOR FERTILIZER AND LIME OF COMMERCIAL FARMS BY TENURE OF FARM OPERATOR,
BY ECONOMIC AREAS: CENSUS OF 1954—Continued**

State, economic area, and tenure of operator	Farms reporting use of fertilizer	Fertilizer							Lime								
		Acres fertilized as a percent of total cropland plus improved pasture	Percent distribution of—			Quantity used per acre fertilized (lb.)	Expenditures (dollars)			Acres limed as a percent of total cropland plus improved pasture	Percent distribution of—			Quantity used per acre limed (lb.)	Expenditures (dollars)		
			Farms reporting fertilizer	Fertilizer used	Acres fertilized		For fertilizer	Per acre fertilized	Per cent. of fertilizer used		Farms reporting use of lime	Lime used	Acres limed		For lime	Per acre limed	
South Dakota—Continued																	
Area 4a.....	2,280	4.5	100.0	100.0	100.0	135	558,877	5.11	3.78	15	(2)	100.0	100.0	100.0	400	195	1.30
Owners, part owners, and managers..	1,706	5.0	74.8	75.5	75.7	135	422,766	5.11	3.79	10	(2)	66.7	50.0	70.0	286	120	1.14
Cash tenants.....	11	1.5	0.5	0.5	0.3	189	2,496	6.93	3.67	...	...	...	...	...	...	...	...
All share tenants.....	558	3.7	24.5	23.9	23.9	136	133,135	5.11	3.77	5	(2)	33.3	50.0	30.0	667	75	1.67
Other tenants.....	5	0.7	0.2	0.1	0.1	67	480	3.20	4.80	...	...	...	...	...	...	...	...
Area 4b.....	4,576	11.3	100.0	100.0	100.0	155	1,640,028	6.43	4.16	40	(2)	100.0	100.0	100.0	1,500	1,040	4.00
Owners, part owners, and managers..	2,890	12.5	63.2	65.4	63.7	159	1,074,391	6.62	4.17	35	(2)	87.5	94.9	92.3	1,542	930	3.88
Cash tenants.....	80	15.1	1.7	1.7	1.9	139	25,450	5.31	3.83	...	...	...	...	...	...	...	...
All share tenants.....	1,521	9.5	33.2	31.6	33.1	148	520,292	6.17	4.18	5	(2)	12.5	5.1	7.7	1,000	110	5.50
Other tenants.....	85	7.3	1.9	1.3	1.3	151	19,895	5.86	3.89	...	...	...	...	...	...	...	...
Tennessee, total.....	107,945	36.9	100.0	100.0	100.0	327	23,737,892	8.31	2.55	8,153	1.6	100.0	100.0	100.0	3,267	667,035	5.32
Owners, part owners, and managers..	72,698	34.9	67.3	73.5	72.7	330	17,167,877	8.27	2.50	7,343	1.9	90.1	88.3	90.8	3,174	593,141	5.20
Cash tenants.....	1,046	34.5	1.0	1.1	1.1	313	285,217	8.89	2.84	45	0.7	0.6	0.5	0.5	2,932	2,840	4.27
All share tenants.....	15,204	39.9	14.1	12.8	13.8	303	3,157,651	8.03	2.65	478	0.7	5.9	5.6	5.6	3,305	47,849	6.83
Croppers.....	16,615	53.9	15.4	10.7	10.3	339	2,626,585	8.92	2.63	206	0.5	2.5	2.2	2.0	3,636	14,475	5.80
Other tenants.....	2,382	39.0	2.2	1.9	2.1	302	500,562	8.47	2.81	81	0.9	1.0	1.2	1.1	3,685	8,730	6.54
Areas 1 and A.....	29,846	39.3	100.0	100.0	100.0	312	7,283,419	9.23	2.96	921	1.1	100.0	100.0	100.0	2,614	141,885	6.46
Owners, part owners, and managers..	11,223	33.9	37.6	54.1	52.9	319	3,338,352	9.44	2.96	707	1.5	76.8	82.9	85.3	2,540	118,881	6.34
Cash tenants.....	504	37.6	1.7	2.2	2.1	324	167,702	9.90	3.05	5	0.2	0.5	0.3	4,000	750	10.00	
All share tenants.....	7,541	41.2	25.3	22.1	22.7	304	1,608,060	8.96	2.95	137	0.5	14.9	11.5	10.0	3,022	16,749	7.64
Croppers.....	9,551	64.8	32.0	18.6	19.4	300	1,335,400	8.74	2.91	46	0.1	5.0	1.6	1.5	2,760	1,950	5.93
Other tenants.....	1,027	36.4	3.4	2.9	2.9	316	233,905	10.34	3.28	26	1.0	2.8	3.5	2.8	3,216	3,555	5.69
Area 2.....	11,733	41.7	100.0	100.0	100.0	285	2,628,384	7.39	2.59	762	1.5	100.0	100.0	100.0	2,940	73,961	5.74
Owners, part owners, and managers..	8,255	39.5	70.4	71.9	72.4	283	1,893,864	7.36	2.60	667	1.8	87.5	87.7	88.6	2,911	65,431	5.73
Cash tenants.....	90	29.6	0.8	0.5	0.5	260	13,780	7.63	2.93	...	...	...	...	...	...	...	...
All share tenants.....	2,028	46.3	17.3	17.2	17.5	281	458,200	7.37	2.62	60	0.6	7.9	8.1	6.6	3,602	5,755	6.73
Croppers.....	1,100	63.3	9.4	8.6	7.5	328	215,680	8.13	2.48	25	1.2	3.3	3.4	3.9	2,574	2,425	4.80
Other tenants.....	260	42.0	2.2	1.8	2.1	243	46,860	6.13	2.52	10	0.6	1.3	0.7	0.9	2,435	350	3.04
Area 3.....	5,791	42.1	100.0	100.0	100.0	282	1,334,438	6.56	2.33	569	1.5	100.0	100.0	100.0	3,150	35,633	5.04
Owners, part owners, and managers..	4,574	40.6	79.0	82.5	81.3	286	1,105,115	6.68	2.34	548	1.6	96.3	94.4	89.8	3,313	33,868	5.33
Cash tenants.....	20	49.2	0.3	0.2	0.3	208	2,660	4.26	2.05	5	19.3	0.9	0.3	3.5	245	175	0.71
All share tenants.....	685	48.7	11.8	10.7	11.6	261	140,788	5.98	2.30	1	0.2	0.2	0.9	1.1	2,500	450	5.62
Croppers.....	331	49.7	5.7	4.3	4.1	298	55,550	6.68	2.24	15	2.4	2.6	4.4	5.7	2,475	1,140	2.85
Other tenants.....	181	54.9	3.1	2.3	2.7	235	30,325	5.45	2.32	...	...	...	...	...	...	...	...
Area 4.....	6,430	37.5	100.0	100.0	100.0	403	1,918,342	10.14	2.51	482	1.6	100.0	100.0	100.0	3,556	40,331	5.10
Owners, part owners, and managers..	4,444	35.5	69.1	71.2	73.2	392	1,367,745	9.87	2.52	432	1.8	89.6	89.8	88.6	3,604	36,156	5.16
Cash tenants.....	20	22.4	0.3	0.3	0.3	333	5,555	8.82	2.65	5	2.8	1.0	1.3	1.0	4,625	205	2.56
All share tenants.....	625	37.1	9.7	10.2	10.9	376	189,660	9.18	2.44	35	1.3	7.3	7.6	9.3	2,912	3,460	4.71
Croppers.....	1,245	51.6	19.4	16.8	13.3	507	325,990	12.91	2.55	10	0.2	2.1	1.3	1.1	4,235	510	6.00
Other tenants.....	96	67.2	1.5	1.5	2.2	283	29,392	7.13	2.52	...	...	...	...	...	...	...	...
Areas 5 and B.....	13,505	26.7	100.0	100.0	100.0	267	2,373,357	6.44	2.41	982	1.5	100.0	100.0	100.0	2,549	79,443	3.80
Owners, part owners, and managers..	9,717	25.9	72.0	75.3	76.4	264	1,811,272	6.44	2.44	847	1.7	86.3	87.9	90.9	2,463	66,733	3.51
Cash tenants.....	222	26.1	1.6	1.3	1.5	232	29,700	5.44	2.34	10	0.7	1.0	1.3	0.7	4,828	1,150	7.93
All share tenants.....	1,771	27.9	13.1	12.8	12.3	277	286,815	6.31	2.38	95	0.9	9.7	8.5	7.1	3,037	10,025	6.75
Croppers.....	1,590	34.5	11.8	9.1	8.1	303	201,580	6.79	2.24	20	0.2	2.0	1.1	0.7	4,286	710	5.07
Other tenants.....	205	29.6	1.5	1.5	1.8	228	43,990	6.81	2.99	10	0.5	1.0	1.2	0.6	5,333	825	6.88
Area 6.....	11,287	39.9	100.0	100.0	100.0	331	2,473,421	7.80	2.36	1,284	2.0	100.0	100.0	100.0	3,665	84,201	5.25
Owners, part owners, and managers..	9,390	39.5	83.2	85.6	85.1	332	2,107,036	7.81	2.35	1,184	2.2	92.2	91.5	92.4	3,629	75,581	5.10
Cash tenants.....	95	47.1	0.8	1.6	1.0	530	47,475	15.17	2.86	15	1.4	1.2	0.6	0.6	3,778	450	5.00
All share tenants.....	1,062	40.9	9.4	7.9	8.4	311	192,030	7.22	2.32	35	0.6	2.7	2.3	2.3	3,671	2,840	7.78
Croppers.....	620	46.3	5.5	4.3	4.7	306	110,155	7.47	2.44	35	1.7	2.7	4.1	3.4	4,463	3,145	5.82
Other tenants.....	120	34.9	1.1	0.6	0.9	246	16,725	6.13	2.49	15	2.9	1.2	1.6	1.4	4,043	2,185	9.50
Area 7.....	1,883	40.5	100.0	100.0	100.0	368	696,887	9.61	2.61	362	2.9	100.0	100.0	100.0	4,772	33,088	6.42
Owners, part owners, and managers..	1,751	40.4	93.0	94.9	94.3	370	664,277	9.72	2.63	357	3.0	98.6	99.6	99.5	4,776	32,988	6.43
Cash tenants.....	5	7.5	0.3	0.1	0.2	218	450	4.09	1.88	...	...	...	...	...	...	...	...
All share tenants.....	45	47.3	2.4	2.0	2.9	256	13,335	6.33	2.48	5	0.6	1.4	0.4	0.5	4,000	100	4.00
Croppers.....	46	54.1	2.4	2.1	1.7	460	12,675	10.57	2.30	...	...	...	...	...	...	...	...
Other tenants.....	36	39.2	1.9	1.0	1.0	337	6,150	8.17	2.42	...	...	...	...	...	...	...	...
Areas 8a, C, and D.....	9,334	37.2	100.0	100.0	100.0	362	2,077,965	8.09	2.24	1,257	2.7	100.0	100.0	100.0	3,425	94,875	5.08
Owners, part owners, and managers..	8,175	36.5	87.6	88.1	87.0	366	1,838,965	8.23	2.25	1,182	2.9	94.0	92.4	94.6	3,349	87,250	4.94
Cash tenants.....	60	45.8	0.6	0.7	1.2	208	13,815	4.68	2.14	5	0.5	0.4	0.3	0.2	6,000	110	3.67
All share tenants.....	526	47.8	5.6	5.6	6.6	304	112,205	6.60	2.27	45	2.0	3.6	5.4	3.8	4,922	5,370	7.62
Croppers.....	377	32.8	4.0	3.4	3.2	384	67,105	8.28	2.16	10	0.4	0.8	0.7	0.5	4,421	930	9.79
Other tenants.....	196	46.4	2.1	2.3	2.1	403	45,875	8.67	2.15	15	1.6	1.2	1.2	1.0	4,108	1,215	6.57
Area 8b.....	18,136	36.1	100.0	100.0	100.0	424	2,951,679	9.72	2.29	1,534	1.8	100.0	100.0	100.0			

USE OF FERTILIZER AND LIME

Table 5.—USE AND EXPENDITURES FOR FERTILIZER AND LIME OF COMMERCIAL FARMS BY TENURE OF FARM OPERATOR, BY ECONOMIC AREAS: CENSUS OF 1954—Continued

State, economic area, and tenure of operator	Fertilizer									Lime							
	Farms reporting use of fertilizer	Acres fertilized as a percent of total cropland plus improved pasture	Percent distribution of—			Quantity used per acre fertilized (lb.)	Expenditures (dollars)			Farms reporting use of lime	Acres limed as a percent of total cropland plus improved pasture	Percent distribution of—			Quantity used per acre limed (lb.)	Expenditures (dollars)	
			Farms reporting fertilizer	Fertilizer used	Acres fertilized		For fertilizer	Per acre fertilized	Per cent. of fertilizer used			Farms reporting lime	Lime used	Acres limed		For lime	Per acre limed
Texas, total.....	63,215	11.2	100.0	100.0	100.0	213	28,593,660	6.82	3.21	1,236	0.1	100.0	100.0	100.0	1,818	209,048	4.88
Owners, part owners, and managers..	48,834	12.2	77.3	80.9	78.9	218	22,921,893	6.93	3.18	1,117	0.1	90.4	94.4	91.8	1,870	197,052	5.01
Cash tenants.....	2,018	13.5	3.2	3.3	3.2	219	961,253	7.19	3.29	25	0.1	2.0	0.6	1.9	579	1,595	2.01
All share tenants.....	9,502	7.3	15.0	12.4	14.5	182	3,808,742	6.25	3.44	77	(Z)	6.2	3.3	3.9	1,506	5,877	3.50
Croppers.....	1,577	11.6	2.5	1.6	1.7	207	399,545	5.61	2.72	1	(Z)	0.1	0.5	0.5	1,681	2,250	9.96
Other tenants.....	1,284	13.6	2.0	1.8	1.7	224	502,227	7.01	3.13	16	0.2	1.3	1.2	1.9	1,193	2,274	2.82
Area 1a and A.....	843	33.8	100.0	100.0	100.0	308	2,307,190	15.21	4.93	6	0.1	100.0	100.0	100.0	3,931	5,400	9.31
Owners, part owners, and managers..	692	32.6	82.1	84.6	84.8	308	1,954,850	15.19	4.94	6	0.1	100.0	100.0	100.0	3,931	5,400	9.31
Cash tenants.....	10	25.2	1.2	1.1	1.2	304	20,570	11.79	3.88	...	...	...	...	...	...	...	...
All share tenants.....	126	45.9	14.9	14.2	13.6	321	327,785	15.87	4.95	...	...	...	...	...	...	...	...
Croppers.....	15	50.2	1.8	0.1	0.4	83	3,985	6.38	7.66	...	...	...	...	...	...	...	...
Other tenants.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Area 1b.....	156	1.2	100.0	100.0	100.0	184	67,548	5.72	3.10	1	(Z)	100.0	100.0	100.0	2,000	750	6.00
Owners, part owners, and managers..	137	1.3	87.8	91.9	93.2	182	61,932	5.63	3.10	1	(Z)	100.0	100.0	100.0	2,000	750	6.00
Cash tenants.....	11	0.2	7.1	2.6	2.7	176	1,409	4.43	2.52	...	...	...	...	...	...	...	...
All share tenants.....	7	2.9	4.5	4.4	3.5	232	3,007	7.28	3.13	...	...	...	...	...	...	...	...
Croppers.....	1	1.3	0.6	1.1	0.6	343	1,200	17.14	5.00	...	...	...	...	...	...	...	...
Other tenants.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Area 2.....	1,558	5.2	100.0	100.0	100.0	151	338,190	4.83	3.19	6	(Z)	100.0	100.0	100.0	196	315	1.24
Owners, part owners, and managers..	1,306	5.2	83.8	86.8	82.7	159	289,898	5.01	3.15	6	(Z)	100.0	100.0	100.0	196	315	1.24
Cash tenants.....	90	4.9	5.8	5.6	7.4	115	20,783	4.00	3.48	...	...	...	...	...	...	...	...
All share tenants.....	113	4.1	7.3	5.2	6.8	115	19,366	4.07	3.55	...	...	...	...	...	...	...	...
Croppers.....	25	6.1	1.6	1.1	1.4	124	3,312	3.48	2.81	...	...	...	...	...	...	...	...
Other tenants.....	24	9.0	1.5	1.3	1.8	110	4,831	3.92	3.55	...	...	...	...	...	...	...	...
Area 3.....	663	11.2	100.0	100.0	100.0	279	788,209	8.95	3.21	...	...	...	...	...	...	...	...
Owners, part owners, and managers..	538	10.3	81.1	79.5	79.9	277	619,247	8.80	3.18	...	...	...	...	...	...	...	...
Cash tenants.....	49	14.8	7.4	8.3	9.2	252	62,798	7.79	3.09	...	...	...	...	...	...	...	...
All share tenants.....	54	15.4	8.1	5.6	7.6	205	55,314	8.29	4.05	...	...	...	...	...	...	...	...
Croppers.....	6	22.0	0.9	0.3	0.9	90	4,100	5.15	5.69	...	...	...	...	...	...	...	...
Other tenants.....	16	37.0	2.4	6.4	2.4	726	46,750	21.69	2.99	...	...	...	...	...	...	...	...
Area 4.....	2,281	5.0	100.0	100.0	100.0	164	2,084,644	6.78	4.15	6	(Z)	100.0	100.0	100.0	3,273	1,380	6.27
Owners, part owners, and managers..	1,540	4.9	67.5	67.8	67.4	165	1,362,221	6.57	4.00	6	(Z)	100.0	100.0	100.0	3,273	1,380	6.27
Cash tenants.....	29	8.7	1.3	1.0	1.5	113	34,335	7.55	6.71	...	...	...	...	...	...	...	...
All share tenants.....	663	5.0	29.1	28.3	28.4	163	632,877	7.24	4.44	...	...	...	...	...	...	...	...
Croppers.....	32	7.8	1.4	2.0	1.4	230	40,626	9.15	3.98	...	...	...	...	...	...	...	...
Other tenants.....	17	6.8	0.7	0.8	1.2	111	14,585	3.98	3.57	...	...	...	...	...	...	...	...
Area 5.....	1,421	2.6	100.0	100.0	100.0	277	1,044,656	9.39	3.39	6	(Z)	100.0	100.0	100.0	2,000	300	6.00
Owners, part owners, and managers..	929	3.0	65.4	71.7	66.3	300	716,182	9.72	3.24	1	(Z)	16.7	80.0	80.0	2,000	270	6.75
Cash tenants.....	15	3.4	1.1	0.5	0.7	191	4,325	5.51	2.88	...	...	...	...	...	...	...	...
All share tenants.....	432	1.8	30.4	25.5	29.1	243	288,184	8.90	3.67	5	(Z)	83.3	20.0	20.0	2,000	30	3.00
Croppers.....	35	10.1	2.5	1.9	3.4	151	29,965	7.96	5.26	...	...	...	...	...	...	...	...
Other tenants.....	10	1.5	0.7	0.4	0.5	200	6,000	10.00	5.00	...	...	...	...	...	...	...	...
Area 6a.....	1,340	2.0	100.0	100.0	100.0	120	386,340	3.62	3.00	...	...	...	...	...	...	...	...
Owners, part owners, and managers..	965	2.1	72.0	75.2	70.2	129	295,485	3.94	3.06	...	...	...	...	...	...	...	...
Cash tenants.....	46	3.7	3.4	2.1	3.4	76	10,519	2.90	3.84	...	...	...	...	...	...	...	...
All share tenants.....	311	1.8	23.2	21.0	24.4	104	74,783	2.87	2.77	...	...	...	...	...	...	...	...
Croppers.....	6	0.4	0.4	0.5	0.2	256	1,002	4.01	1.57	...	...	...	...	...	...	...	...
Other tenants.....	12	2.9	0.9	1.2	1.8	80	4,551	2.34	2.92	...	...	...	...	...	...	...	...
Area 6b.....	479	3.9	100.0	100.0	100.0	148	124,520	3.92	2.65	1	0.1	100.0	100.0	100.0	2,143	2,587	3.70
Owners, part owners, and managers..	387	4.1	80.8	86.7	87.3	147	109,540	3.96	2.69	1	0.1	100.0	100.0	100.0	2,143	2,587	3.70
Cash tenants.....	43	5.3	9.0	6.1	5.5	164	6,493	3.69	2.25	...	...	...	...	...	...	...	...
All share tenants.....	49	2.7	10.2	7.2	7.2	149	8,487	3.71	2.50	...	...	...	...	...	...	...	...
Croppers.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Other tenants.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Area 7a.....	3,537	21.8	100.0	100.0	100.0	138	781,990	3.55	2.57	25	(Z)	100.0	100.0	100.0	736	1,010	2.32
Owners, part owners, and managers..	2,829	21.8	80.0	81.6	80.6	140	638,990	3.60	2.57	25	0.1	100.0	100.0	100.0	736	1,010	2.32
Cash tenants.....	109	7.7	3.1	2.2	2.1	141	16,305	3.51	2.49	...	...	...	...	...	...	...	...
All share tenants.....	528	31.9	14.9	14.7	16.0	127	114,145	3.23	2.55	...	...	...	...	...	...	...	...
Croppers.....	24	13.9	0.7	0.6	0.5	160	6,938	5.79	3.61	...	...	...	...	...	...	...	...
Other tenants.....	47	12.2	1.3	0.9	0.8	153	5,612	3.31	2.16	...	...	...	...	...	...	...	...
Area 7b and B.....	1,626	10.7	100.0	100.0	100.0	168	334,967	4.85	2.89	31	0.1	100.0	100.0	100.0	1,704	2,665	4.81
Owners, part owners, and managers..	1,242	12.4	76.4	82.9	82.3	169	317,807	4.87	2.88	31	0.1	100.0	100.0	100.0	1,704	2,665	4.81
Cash tenants.....	113	8.8	6.9	4.0	4.6	148	16,557	4.56	3.09	...	...	...	...	...	...	...	...
All share tenants.....	218	5.7	13.4	10.2	10.4	165	37,938	4.62	2.79	...	...	...	...	...	...	...	...
Croppers.....	27	9.1	1.7	1.5	1.7	143	6,350	4.67	3.27	...	...	...	...	...	...	...	...
Other tenants.....	26	8.3	1.6	1.4	1.1	221	6,315	7.43	3.36	...	...	...	...	...	...	...	...
Area 7c.....	730	4.4	100.0	100.0	100.0	124	116,081	3.84	3.09	5	(Z)	100.0	100.0	100.0	267	225	3.00
Owners, part owners, and managers..	666	5.1	91.2	88.8	90.1	122	102,172	3.75	3.06	5	(Z)	100.0	100.0	100.0	267	225	3.00
Cash tenants.....	16	2.2	2.2	2.3	2.1	135	2,739	4.21	3.11	...	...	...	...	...	...	...	...
All share tenants.....	46	2.2	6.3	8.2	7.5	137	10,420	4.62	3.36	...	...	...	...	...	...	...	...
Croppers.....	2	0.8	0.3	0.6	0.3	289	750	9.04	3.12	...	...	...	...	...	...	...	...
Other tenants.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

Z Less than 0.05.

USE OF FERTILIZER AND LIME

Table 5.—USE AND EXPENDITURES FOR FERTILIZER AND LIME OF COMMERCIAL FARMS BY TENURE OF FARM OPERATOR, BY ECONOMIC AREAS: CENSUS OF 1954—Continued

State, economic area, and tenure of operator	Farms reporting use of fertilizer	Acres fertilized as a percent of total cropland plus improved pasture	Fertilizer						Lime								
			Percent distribution of—			Quantity used per acre fertilized (lb.)	Expenditures (dollars)			Percent distribution of—			Quantity used per acre limed (lb.)	Expenditures (dollars)			
			Farms reporting fertilizer	Fertilizer used	Acres fertilized		For fertilizer	Per acre fertilized	Per cent. of fertilizer used	Farms reporting lime	Lime used	Acres limed		For lime	Per acre limed		
Texas—Continued																	
Areas S. C., D., and F.....	3,369	9.5	100.0	100.0	100.0	187	2,291,227	4.91	2.63	173	0.1	100.0	100.0	100.0	1,235	20,554	3.53
Owners, part owners, and managers..	6,638	11.2	70.9	76.1	75.0	190	1,750,264	5.00	2.64	137	0.1	79.2	77.2	80.1	1,191	17,264	3.70
Cash tenants.....	136	9.5	1.5	1.9	1.4	255	53,672	8.06	3.16	...	...	...	...	...	...	...	...
All share tenants.....	2,200	6.4	23.5	17.6	19.4	162	410,610	4.54	2.68	36	0.1	20.8	22.8	19.9	1,414	3,290	2.84
Croppers.....	267	6.3	2.8	3.2	2.8	219	50,514	3.92	1.79	...	...	...	...	...	...	...	...
Other tenants.....	128	6.9	1.4	1.2	1.5	143	26,167	3.82	2.59	...	...	...	...	...	...	...	...
Area 9.....	4,686	27.2	100.0	100.0	100.0	215	1,500,278	5.68	2.65	71	0.5	100.0	100.0	100.0	1,178	12,542	2.62
Owners, part owners, and managers..	3,666	26.1	78.2	84.3	82.7	219	1,265,885	5.80	2.65	70	0.6	98.6	98.2	99.0	1,169	12,255	2.59
Cash tenants.....	126	30.4	2.7	1.7	1.9	185	28,150	5.53	2.98	...	...	...	...	...	...	...	...
All share tenants.....	576	36.7	12.3	8.8	9.6	196	127,945	5.03	2.96	1	0.1	1.4	1.8	1.0	2,000	287	5.74
Croppers.....	187	24.4	4.0	2.9	2.6	237	45,358	6.52	2.75	...	...	...	...	...	...	...	...
Other tenants.....	131	47.3	2.8	2.3	3.1	161	32,940	4.02	2.50	...	...	...	...	...	...	...	...
Area 10.....	4,615	19.1	100.0	100.0	100.0	201	829,989	5.17	2.58	37	(Z)	100.0	100.0	100.0	937	1,492	3.78
Owners, part owners, and managers..	3,661	19.7	79.3	76.2	77.9	196	623,892	4.99	2.54	32	0.1	86.5	97.3	97.5	935	1,432	3.72
Cash tenants.....	185	22.9	4.0	6.1	5.7	213	56,387	6.13	2.88	...	...	...	...	...	...	...	...
All share tenants.....	564	16.5	12.2	14.0	12.8	220	127,405	5.73	2.61	5	(Z)	13.5	2.7	2.5	1,000	60	6.00
Croppers.....	150	13.0	3.3	2.4	2.8	168	22,155	4.89	2.92	...	...	...	...	...	...	...	...
Other tenants.....	55	18.0	1.2	1.4	0.8	345	10,150	7.69	2.23	...	...	...	...	...	...	...	...
Areas 11 and F.....	3,670	10.8	100.0	100.0	100.0	147	1,125,579	4.42	3.00	11	(Z)	100.0	100.0	100.0	959	227	1.88
Owners, part owners, and managers..	2,385	11.0	78.6	79.2	78.9	148	896,419	4.46	3.02	11	(Z)	100.0	100.0	100.0	959	227	1.88
Cash tenants.....	100	14.1	2.7	6.0	4.0	222	60,282	5.91	2.66	...	...	...	...	...	...	...	...
All share tenants.....	486	8.6	13.2	10.1	12.5	119	115,377	3.63	3.06	...	...	...	...	...	...	...	...
Croppers.....	125	14.8	3.4	3.2	3.0	160	32,705	4.31	2.70	...	...	...	...	...	...	...	...
Other tenants.....	74	12.6	2.0	1.5	1.6	133	20,796	5.06	3.81	...	...	...	...	...	...	...	...
Area 12.....	14,344	32.8	100.0	100.0	100.0	265	4,150,200	6.44	2.43	529	0.9	100.0	100.0	100.0	2,045	102,603	5.52
Owners, part owners, and managers..	11,421	31.5	79.6	83.7	83.0	267	3,483,511	5.53	2.44	502	1.0	94.9	95.8	93.5	2,095	97,139	5.59
Cash tenants.....	614	41.1	4.3	4.8	3.9	332	191,423	7.71	2.32	10	0.5	1.9	0.8	1.5	1,088	1,045	3.67
All share tenants.....	1,394	40.2	9.7	6.4	8.1	207	267,684	5.11	2.47	10	0.1	1.9	0.3	0.4	1,467	425	5.67
Croppers.....	474	47.7	3.3	2.6	2.6	255	102,120	5.99	2.35	1	0.6	0.2	1.0	1.2	1,681	2,250	9.96
Other tenants.....	441	36.9	3.1	2.5	2.4	283	100,462	6.58	2.33	6	1.5	1.1	2.1	3.4	1,295	1,744	2.79
Area 13.....	2,509	28.5	100.0	100.0	100.0	249	602,220	6.62	2.66	171	1.1	100.0	100.0	100.0	2,152	19,486	5.67
Owners, part owners, and managers..	2,135	28.1	85.1	87.8	87.0	251	532,834	6.73	2.68	161	1.2	94.2	98.6	98.0	2,167	19,181	5.69
Cash tenants.....	56	22.9	2.2	1.9	1.8	271	13,381	8.38	3.10	5	0.4	2.9	0.7	0.7	2,000	150	6.00
All share tenants.....	161	28.0	6.4	4.6	5.4	211	24,890	5.08	2.41	...	...	...	...	...	...	...	...
Croppers.....	65	59.8	2.6	1.8	2.7	165	12,040	4.85	2.94	...	...	...	...	...	...	...	...
Other tenants.....	92	31.1	3.7	3.9	3.2	305	19,075	6.61	2.17	5	0.5	2.9	0.7	1.3	1,111	155	3.44
Areas 14, G, and H.....	6,243	32.5	100.0	100.0	100.0	220	6,984,178	8.35	3.80	136	0.2	100.0	100.0	100.0	1,998	30,822	5.51
Owners, part owners, and managers..	4,524	32.3	72.5	80.7	77.7	229	5,575,703	8.58	3.75	106	0.2	77.9	94.2	84.0	2,240	29,462	6.27
Cash tenants.....	258	46.9	4.1	4.2	4.8	194	338,735	8.44	4.34	10	0.6	7.4	0.9	8.7	206	400	0.82
All share tenants.....	1,206	32.7	19.3	13.1	15.5	186	940,087	7.27	3.91	15	0.1	11.0	4.0	4.9	1,636	585	2.13
Croppers.....	116	16.5	1.9	0.5	0.6	185	30,105	5.84	3.15	...	...	...	...	...	...	...	...
Other tenants.....	139	26.2	2.2	1.4	1.5	213	99,548	8.15	3.83	5	0.3	3.7	0.9	2.4	741	375	2.78
Area 15.....	3,145	24.2	100.0	100.0	100.0	263	2,685,654	10.01	3.81	21	0.1	100.0	100.0	100.0	1,610	6,690	6.37
Owners, part owners, and managers..	2,673	24.7	85.0	87.7	85.5	269	2,320,061	10.11	3.75	16	0.1	76.2	88.2	90.5	1,568	5,490	5.78
Cash tenants.....	12	36.5	0.4	0.3	0.4	203	22,390	23.20	11.42	...	...	...	...	...	...	...	...
All share tenants.....	368	18.6	11.7	8.8	10.5	221	232,438	8.23	3.73	5	0.1	23.8	11.8	9.5	2,000	1,200	12.00
Croppers.....	20	32.7	0.6	0.3	0.4	218	6,320	6.26	2.87	...	...	...	...	...	...	...	...
Other tenants.....	72	36.3	2.3	2.9	3.2	240	104,445	12.13	5.06	...	...	...	...	...	...	...	...
Utah, total.....	5,650	7.4	100.0	100.0	100.0	258	1,514,992	9.45	3.66	41	(Z)	100.0	100.0	100.0	1,049	773	2.00
Owners, part owners, and managers..	5,272	7.3	93.3	90.6	93.0	251	1,382,582	9.28	3.69	41	(Z)	100.0	100.0	100.0	1,049	773	2.00
Cash tenants.....	95	9.1	1.7	4.7	1.8	668	56,560	19.64	2.94	...	...	...	...	...	...	...	...
All share tenants.....	252	10.5	4.5	4.2	4.9	219	69,405	8.81	4.03	...	...	...	...	...	...	...	...
Other tenants.....	31	4.9	0.5	0.6	0.3	426	6,445	11.83	2.78	...	...	...	...	...	...	...	...
Area 1.....	2,094	7.1	100.0	100.0	100.0	219	569,955	8.52	3.89	11	(Z)	100.0	100.0	100.0	1,587	333	2.08
Owners, part owners, and managers..	1,934	7.0	92.4	93.5	93.2	220	531,800	8.53	3.88	11	(Z)	100.0	100.0	100.0	1,587	333	2.08
Cash tenants.....	5	1.6	0.2	0.2	0.2	213	1,730	11.53	5.41	...	...	...	...	...	...	...	...
All share tenants.....	150	12.1	7.2	6.2	6.5	209	35,725	8.24	3.95	...	...	...	...	...	...	...	...
Other tenants.....	5	1.0	0.2	0.1	0.1	364	700	12.73	3.50	...	...	...	...	...	...	...	...
Areas 2 and A.....	2,154	15.3	100.0	100.0	100.0	307	562,692	11.11	3.62	25	(Z)	100.0	100.0	100.0	759	255	1.76
Owners, part owners, and managers..	1,972	14.6	91.6	83.2	89.5	285	479,567	10.58	3.71	25	(Z)	100.0	100.0	100.0	759	255	1.76
Cash tenants.....	90	29.9	4.2	12.2	5.4	693	54,830	20.08	2.90	...	...	...	...	...	...	...	...
All share tenants.....	72	22.3	3.3	3.8	4.6	256	24,370	10.44	4.08	...	...	...	...	...	...	...	...
Other tenants.....	20	9.0	0.9	0.7	0.5	422	3,925	14.27	3.38	...	...	...	...	...	...	...	...
Area 3.....	1,402	4.8	100.0	100.0	100.0	260	382,345	8.94	3.43	5	(Z)	100.0	100.0	100.0	500	185	2.31
Owners, part owners, and managers..	1,366	4.9	97.4	97.2	96.7	262	371,215	8.97	3.43	5	(Z)	100.0	100.0	100.0	500	185	2.31
Cash tenants.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
All share tenants.....	30	4.2	2.1	2.0	2.3	182	9,310	7.69	4.23	...	...	...	...	...	...	...	...
Other tenants.....	6	9.1	0.4	0.9	0.5	447	1,820	8.47	1.90	...	...	...	...	...	...	...	...

Z Less than 0.05.

USE OF FERTILIZER AND LIME

Table 5.—USE AND EXPENDITURES FOR FERTILIZER AND LIME OF COMMERCIAL FARMS BY TENURE OF FARM OPERATOR, BY ECONOMIC AREAS: CENSUS OF 1954—Continued

State, economic area, and tenure of operator	Fertilizer									Lime							
	Farms reporting use of fertilizer	Acres ferti- lized as a percent of total cropland plus improved pasture	Percent distribution of—			Quantity used per acre ferti- lized (lb.)	Expenditures (dollars)			Farms reporting use of lime	Acres limed as a percent of total cropland plus improved pasture	Percent distribution of—			Expenditures (dollars)		
			Farms re- porting ferti- lizer	Ferti- lizer used	Acres ferti- lized		For fertilizer	Per acre ferti- lized	Per cent. of ferti- lizer used			Farms re- porting lime	Lime used	Acres limed	For lime	Per acre limed	
Vermont, total.....	7,498	19.7	100.0	100.0	100.0	431	2,129,877	10.38	2.41	4,114	5.3	100.0	100.0	100.0	2,334	298,552	5.42
Owners, part owners, and managers..	7,177	19.8	95.7	95.8	95.3	433	2,044,907	10.45	2.41	3,959	5.4	96.2	96.9	96.3	2,348	289,767	5.46
Cash tenants.....	111	27.0	1.5	1.8	2.3	327	39,115	8.21	2.51	65	4.3	1.6	1.6	1.4	2,720	4,560	6.08
All share tenants.....	130	12.8	1.7	1.3	1.4	385	22,790	7.87	2.05	45	3.3	1.1	0.7	1.3	1,149	1,650	2.23
Other tenants.....	80	20.8	1.1	1.2	0.9	545	23,065	11.83	2.17	45	5.7	1.1	0.8	1.0	2,038	2,575	4.86
Area 1.....	3,403	18.9	100.0	100.0	100.0	410	967,314	9.73	2.37	1,852	5.1	100.0	100.0	100.0	2,174	123,146	4.57
Owners, part owners, and managers..	3,232	19.1	95.0	95.9	95.2	413	928,949	9.82	2.38	1,772	5.2	95.7	96.5	95.3	2,200	118,436	4.61
Cash tenants.....	41	27.9	1.2	1.4	2.0	297	14,535	7.45	2.51	35	7.6	1.9	2.2	2.0	2,396	3,150	5.94
All share tenants.....	110	12.4	3.2	2.3	2.5	388	19,810	8.07	2.08	40	3.6	2.2	1.2	2.6	993	1,210	1.72
Other tenants.....	20	11.0	0.6	0.4	0.4	370	4,020	9.93	2.68	5	1.0	0.3	0.2	0.1	2,857	350	10.00
Area 2.....	4,095	20.6	100.0	100.0	100.0	450	1,162,563	10.98	2.44	2,262	5.5	100.0	100.0	100.0	2,488	175,406	6.23
Owners, part owners, and managers..	3,945	20.4	96.3	95.7	95.5	451	1,115,958	11.04	2.45	2,187	5.5	96.7	97.3	97.3	2,486	171,331	6.26
Cash tenants.....	70	26.4	1.7	2.0	2.7	347	24,580	8.73	2.52	30	2.1	1.3	1.1	0.8	3,500	1,410	6.41
All share tenants.....	20	15.4	0.5	0.3	0.4	368	2,980	6.77	1.84	5	1.2	0.2	0.2	0.1	4,286	440	12.57
Other tenants.....	60	27.2	1.5	1.9	1.5	590	19,045	12.33	2.09	40	8.7	1.8	1.4	1.8	1,980	2,225	4.49
Virginia, total.....	63,274	45.7	100.0	100.0	100.0	553	26,399,651	12.56	2.27	14,082	6.3	100.0	100.0	100.0	2,725	1,849,893	6.38
Owners, part owners, and managers..	48,196	44.2	76.2	80.7	83.3	536	21,282,652	12.16	2.27	12,387	6.4	88.0	91.3	88.1	2,823	1,647,525	6.45
Cash tenants.....	714	53.9	1.1	1.8	1.4	718	436,295	15.09	2.10	166	8.1	1.2	1.2	1.5	2,234	30,490	7.00
All share tenants.....	6,668	34.7	10.5	10.4	9.2	624	2,718,952	14.09	2.26	984	5.4	7.0	5.0	6.6	2,059	115,944	6.10
Croppers.....	6,750	62.7	10.7	6.1	5.1	659	1,673,963	15.58	2.36	410	3.6	2.9	1.7	2.1	2,167	40,755	6.62
Other tenants.....	946	41.6	1.5	1.1	1.1	554	287,789	12.80	2.31	135	9.1	1.0	0.8	1.7	1,337	15,179	3.10
Area 1.....	2,085	27.2	100.0	100.0	100.0	435	328,627	10.00	2.30	184	2.4	100.0	100.0	100.0	3,169	16,384	5.63
Owners, part owners, and managers..	1,810	26.3	86.8	86.8	89.6	422	285,587	9.70	2.30	179	2.6	97.3	98.7	99.0	3,160	16,254	5.64
Cash tenants.....	80	69.3	3.8	5.3	5.3	434	18,225	10.47	2.41	...	...	...	...	...	...	...	...
All share tenants.....	160	29.1	7.7	7.0	4.6	667	22,792	15.14	2.27	5	0.6	2.7	1.3	1.0	4,000	130	4.33
Croppers.....	35	19.3	1.7	0.9	0.6	670	2,023	10.94	1.63	...	...	...	...	...	...	...	...
Area 2.....	9,035	37.8	100.0	100.0	100.0	443	1,808,002	10.46	2.36	1,692	6.3	100.0	100.0	100.0	4,493	200,630	7.00
Owners, part owners, and managers..	7,940	37.2	87.9	90.7	92.0	437	1,642,412	10.33	2.36	1,632	6.5	96.5	96.1	96.7	4,463	193,160	6.97
Cash tenants.....	45	34.1	0.5	0.6	0.5	561	8,300	10.12	1.80	5	7.5	0.3	0.6	0.6	4,000	720	4.00
All share tenants.....	360	43.0	4.0	2.4	2.1	518	47,310	13.14	2.54	15	1.7	0.9	0.5	0.5	4,714	820	5.86
Croppers.....	615	54.0	6.8	5.6	5.0	498	98,385	11.41	2.29	25	2.8	1.5	2.2	1.6	6,422	4,815	10.70
Other tenants.....	75	35.6	0.8	0.6	0.4	643	11,595	15.16	2.36	15	7.7	0.9	0.6	0.6	4,606	1,115	6.76
Areas 3 and A.....	3,737	28.8	100.0	100.0	100.0	493	1,106,914	10.70	2.17	1,349	6.1	100.0	100.0	100.0	3,125	119,303	5.44
Owners, part owners, and managers..	3,616	28.6	96.8	97.6	97.5	494	1,081,219	10.71	2.17	1,324	6.1	98.1	97.8	98.1	3,115	116,628	5.42
Cash tenants.....	20	48.4	0.5	0.5	0.7	331	4,800	6.91	2.09	5	2.4	0.4	0.3	0.2	5,143	365	10.43
All share tenants.....	35	48.0	0.9	1.2	0.9	652	13,660	14.08	2.16	10	11.4	0.7	1.3	1.0	4,000	1,440	6.26
Croppers.....	35	25.9	0.9	0.3	0.5	295	3,380	7.12	2.41	10	8.4	0.7	0.6	0.7	2,710	870	5.61
Other tenants.....	31	50.6	0.8	0.4	0.4	496	3,855	9.47	1.91	...	...	...	...	...	...	...	...
Area 4.....	4,750	38.5	100.0	100.0	100.0	410	1,754,687	8.88	2.16	1,136	4.3	100.0	100.0	100.0	3,243	115,409	5.19
Owners, part owners, and managers..	4,254	38.2	89.6	87.9	88.4	408	1,545,347	8.85	2.17	1,001	4.3	88.1	88.1	88.6	3,225	102,094	5.18
Cash tenants.....	60	31.4	1.3	1.9	1.7	464	32,625	9.92	2.14	30	4.4	2.6	3.0	2.1	4,667	2,965	6.38
All share tenants.....	316	45.3	6.7	8.1	8.1	409	139,950	8.70	2.13	80	4.9	7.0	7.3	7.8	3,009	8,210	4.70
Croppers.....	40	27.1	0.8	0.8	0.6	500	13,690	10.70	2.14	...	...	...	...	...	...	...	...
Other tenants.....	80	41.1	1.7	1.3	1.2	440	23,075	9.92	2.26	25	5.9	2.2	1.7	1.5	3,552	2,140	6.39
Areas 5 and B.....	4,678	37.4	100.0	100.0	100.0	464	2,992,171	10.20	2.20	2,162	10.5	100.0	100.0	100.0	2,694	495,863	6.02
Owners, part owners, and managers..	4,294	37.6	91.8	91.5	91.3	465	2,743,377	10.24	2.20	1,948	10.2	90.1	89.5	88.3	2,731	441,205	6.07
Cash tenants.....	47	49.2	1.0	1.7	1.4	548	47,000	11.30	2.06	26	15.2	1.2	1.3	1.6	2,249	7,245	5.64
All share tenants.....	230	35.3	4.9	5.5	5.7	447	158,472	9.40	2.10	133	12.9	6.2	7.0	7.5	2,518	36,234	5.87
Croppers.....	51	35.6	1.1	0.5	0.7	336	15,125	7.60	2.26	35	20.3	1.6	1.4	1.4	2,775	7,050	6.21
Other tenants.....	56	25.7	1.2	0.8	0.9	424	28,197	11.26	2.66	20	11.0	0.9	0.8	1.3	1,610	4,129	3.86
Areas 6 and C.....	8,897	44.2	100.0	100.0	100.0	487	3,064,989	10.89	2.24	2,223	5.4	100.0	100.0	100.0	2,918	252,653	7.34
Owners, part owners, and managers..	7,440	43.6	83.6	89.0	89.7	483	2,721,440	10.79	2.23	2,036	5.4	91.6	95.0	91.3	3,035	235,826	7.50
Cash tenants.....	40	30.4	0.4	0.3	0.4	453	10,155	9.96	2.20	10	2.5	0.4	0.3	0.2	3,412	680	8.00
All share tenants.....	610	48.3	6.9	5.5	5.3	512	171,379	11.57	2.47	112	5.7	5.0	3.5	5.1	1,989	12,517	7.11
Croppers.....	650	62.2	7.3	4.1	3.5	568	131,575	13.18	2.32	40	1.8	1.8	0.4	0.8	1,414	2,320	8.00
Other tenants.....	157	36.6	1.8	1.0	1.2	415	30,440	9.23	2.23	25	9.5	1.1	0.8	2.5	982	1,310	1.53
Area 7.....	18,742	44.9	100.0	100.0	100.0	628	5,382,336	15.34	2.44	1,942	2.9	100.0	100.0	100.0	2,537	160,458	7.05
Owners, part owners, and managers..	10,667	42.2	56.9	65.6	69.6	592	3,554,449	14.55	2.46	1,697	3.6	87.4	91.2	90.4	2,561	142,633	6.93
Cash tenants.....	90	44.9	0.5	0.5	0.5	695	27,560	17.17	2.47	...	...	...	...	...	...	...	...
All share tenants.....	3,269	45.6	17.4	14.8	13.7	677	786,427	16.32	2.41	160	1.1	8.2	4.9	5.2	2,400	10,735	9.14
Croppers.....	4,345	64.4	23.2	17.1	14.3	751	910,460	18.11	2.41	60	0.7	3.1	2.2	2.5	2,807	4,730	8.45
Other tenants.....	371	43.1	2.0	1.9	1.9	649	103,440	15.76	2.43	25	3.0	1.3	1.7	2.0	2,152	2,360	5.13
Areas 8 and 9.....	3,861	63.0	100.0	100.0	100.0	465	2,409,668	10.34	2.22	1,517	9.5	100.0	100.0	100.0	1,789	225,381	6.41

USE OF FERTILIZER AND LIME

277

**Table 5.—USE AND EXPENDITURES FOR FERTILIZER AND LIME OF COMMERCIAL FARMS BY TENURE OF FARM OPERATOR,
BY ECONOMIC AREAS: CENSUS OF 1954—Continued**

State, economic area, and tenure of operator	Fertilizer									Lime								
	Farms report- ing use of ferti- lizer	Acres ferti- lized as a percent of total cropland plus improved pasture	Percent distribution of—			Quantity used per acre ferti- lized (lb.)	Expenditures (dollars)			Farms report- ing use of lime	Acres limed as a percent of total cropland plus improved pasture	Percent distribution of—			Quantity used per acre limed (lb.)	Expenditures (dollars)		
			Farms re- port- ing ferti- lizer	Ferti- lizer used	Acres ferti- lized		For fertilizer	Per acre ferti- lized	Per wt. of ferti- lizer used			Farms re- port- ing lime	Lime used	Acres limed		For lime	Per acre limed	
Virginia—Continued																		
Area 10.....	5,723	79.6	100.0	100.0	100.0	676	4,578,822	15.66	2.32	1,209	4.9	100.0	100.0	100.0	1,433	108,616	6.06	
Owners, part owners, and managers..	3,269	79.8	57.1	64.4	62.7	694	3,005,534	16.39	2.36	697	4.8	57.7	71.7	61.6	1,669	71,122	6.45	
Cash tenants.....	196	73.5	3.4	2.6	2.3	760	119,280	17.83	2.35	20	4.2	1.7	2.3	2.1	1,558	2,585	6.71	
All share tenants.....	1,415	78.4	24.7	22.5	23.8	640	978,404	14.06	2.20	302	4.1	25.0	15.5	20.5	1,084	20,769	5.65	
Croppers.....	777	82.4	13.6	9.3	10.0	629	425,805	14.56	2.32	180	6.8	14.9	9.0	13.5	963	12,740	5.29	
Other tenants.....	66	82.2	1.2	1.1	1.2	652	49,799	14.68	2.25	10	9.9	0.8	1.4	2.3	878	1,400	3.41	
Area 11 and D.....	1,766	70.1	100.0	100.0	100.0	977	2,973,435	20.67	2.12	668	10.5	100.0	100.0	100.0	1,984	155,196	7.22	
Owners, part owners, and managers..	1,360	70.1	77.0	82.4	83.9	960	2,452,150	20.32	2.12	528	10.4	79.0	87.3	83.7	2,068	128,011	7.12	
Cash tenants.....	136	70.8	7.7	5.7	4.8	1,157	149,840	21.73	1.88	40	14.2	6.0	5.4	6.4	1,653	13,445	9.71	
All share tenants.....	230	73.8	13.0	10.8	9.5	1,107	335,155	24.44	2.21	90	10.0	13.5	6.6	8.7	1,517	12,340	6.62	
Croppers.....	20	58.8	1.1	0.6	0.8	743	21,750	18.28	2.46	10	12.3	1.5	0.7	1.2	1,200	1,400	5.60	
Other tenants.....	20	50.2	1.1	0.5	1.0	509	14,540	10.42	2.05	...	...	...	...	...	...	...	...
Washington, total.....	19,003	23.2	100.0	100.0	100.0	174	13,924,448	7.94	4.57	1,223	0.3	100.0	100.0	100.0	2,377	276,943	11.78	
Owners, part owners, and managers..	16,381	23.5	86.2	81.6	76.8	184	11,051,179	8.20	4.45	1,103	0.4	90.2	86.5	90.3	2,276	238,748	11.25	
Cash tenants.....	774	31.8	4.1	4.4	2.1	358	556,547	14.98	4.19	80	0.9	6.5	5.5	4.5	2,900	15,770	14.95	
All share tenants.....	1,658	21.3	8.7	13.1	20.2	112	2,209,958	6.22	5.53	20	0.1	1.6	6.0	3.6	4,000	16,695	19.88	
Other tenants.....	190	25.2	1.0	0.9	0.9	186	110,764	7.24	3.89	20	0.6	1.6	2.0	1.6	2,947	5,730	15.08	
Area 1.....	574	11.6	100.0	100.0	100.0	235	86,704	7.54	3.21	61	0.5	100.0	100.0	100.0	1,465	3,555	7.04	
Owners, part owners, and managers..	554	11.7	96.5	94.1	95.1	232	81,059	7.41	3.19	56	0.5	91.8	93.2	98.0	1,394	3,505	7.08	
Cash tenants.....	10	23.0	1.7	4.1	2.7	355	2,750	8.87	2.50	5	0.7	8.2	6.8	2.0	5,000	50	5.00	
All share tenants.....	10	9.5	1.7	1.9	2.2	200	2,895	11.58	5.79	...	...	...	...	...	...	...	...
Other tenants.....
Area 2.....	3,030	33.3	100.0	100.0	100.0	366	1,261,020	13.14	3.59	726	5.5	100.0	100.0	100.0	2,807	214,880	13.63	
Owners, part owners, and managers..	2,730	32.4	90.1	86.8	85.1	373	1,083,745	13.27	3.56	646	5.5	89.0	85.0	87.5	2,729	182,320	13.22	
Cash tenants.....	200	36.8	6.6	9.5	9.5	365	125,680	13.78	3.78	50	3.6	6.9	6.4	5.6	3,239	13,815	15.70	
All share tenants.....	65	52.2	2.1	3.1	4.8	240	42,680	9.31	3.88	20	9.6	2.8	7.6	5.3	4,000	16,695	19.88	
Other tenants.....	35	20.7	1.2	0.6	0.6	364	8,915	14.50	3.98	10	8.6	1.4	0.9	1.6	1,647	2,050	8.04	
Area 3, A, and B.....	1,519	20.6	100.0	100.0	100.0	686	502,850	23.98	3.49	236	2.1	100.0	100.0	100.0	2,486	33,340	15.29	
Owners, part owners, and managers..	1,354	19.2	89.1	78.0	75.7	707	396,670	24.97	3.53	211	2.4	89.4	85.1	91.5	2,311	28,060	14.07	
Cash tenants.....	115	25.1	7.6	11.5	14.7	539	60,570	19.63	3.64	15	0.5	6.4	2.0	2.8	1,833	1,600	26.67	
All share tenants.....	20	36.1	1.3	7.0	6.9	690	29,800	20.48	2.97	...	...	...	...	...	...	...	...
Other tenants.....	30	20.7	2.0	3.5	2.6	916	15,810	28.75	3.14	10	4.7	4.2	12.9	5.7	5,600	3,680	29.44	
Area 4 and C.....	1,400	17.6	100.0	100.0	100.0	256	343,688	9.17	3.58	151	1.9	100.0	100.0	100.0	1,128	21,914	5.40	
Owners, part owners, and managers..	1,335	17.9	95.4	96.6	96.5	257	332,573	9.20	3.58	141	2.0	93.4	98.9	97.4	1,146	21,609	5.47	
Cash tenants.....	45	15.4	3.2	2.8	2.3	309	9,055	10.29	3.33	10	1.8	6.6	1.1	2.6	476	305	2.90	
All share tenants.....	5	0.5	0.4	(Z)	0.1	100	60	3.00	3.00	...	...	...	...	...	...	...	...
Other tenants.....	15	43.6	1.1	0.5	1.1	118	2,000	4.71	4.00	...	...	...	...	...	...	...	...
Area 5a.....	1,894	18.7	100.0	100.0	100.0	342	611,302	13.58	3.97	30	0.3	100.0	100.0	100.0	843	2,535	3.05	
Owners, part owners, and managers..	1,842	19.5	97.3	98.4	98.4	341	602,568	13.60	3.98	30	0.4	100.0	100.0	100.0	843	2,535	3.05	
Cash tenants.....	1	1.4	0.1	0.2	0.2	329	1,200	14.12	4.29	...	...	...	...	...	...	...	...
All share tenants.....	41	6.5	2.2	1.0	0.9	376	6,079	14.83	3.95	...	...	...	...	...	...	...	...
Other tenants.....	10	32.6	0.5	0.4	0.5	302	1,455	6.47	2.14	...	...	...	...	...	...	...	...
Area 5b.....	435	13.4	100.0	100.0	100.0	154	172,624	5.93	3.84	1	(Z)	100.0	100.0	100.0	2,000	4	4.00	
Owners, part owners, and managers..	389	13.4	89.4	92.4	90.2	158	158,557	6.04	3.82	1	(Z)	100.0	100.0	100.0	2,000	4	4.00	
Cash tenants.....	15	15.4	3.4	1.2	1.9	96	2,415	4.47	4.64	...	...	...	...	...	...	...	...
All share tenants.....	25	12.8	5.7	6.0	7.7	120	11,357	5.10	4.24	...	...	...	...	...	...	...	...
Other tenants.....	6	6.1	1.4	0.4	0.3	215	295	3.17	1.48	...	...	...	...	...	...	...	...
Area 6.....	4,750	25.1	100.0	100.0	100.0	290	3,066,434	11.93	4.12	10	(Z)	100.0	100.0	100.0	2,000	590	9.08	
Owners, part owners, and managers..	4,117	26.1	86.7	85.4	85.1	291	2,563,020	11.72	4.03	10	(Z)	100.0	100.0	100.0	2,000	590	9.08	
Cash tenants.....	306	44.7	6.4	6.8	5.9	332	260,230	17.09	5.15	...	...	...	...	...	...	...	...
All share tenants.....	277	15.0	5.8	7.2	8.4	248	223,439	10.32	4.17	...	...	...	...	...	...	...	...
Other tenants.....	50	33.9	1.1	0.7	0.5	354	19,745	14.31	4.05	...	...	...	...	...	...	...	...
Area 7a.....	2,023	15.9	100.0	100.0	100.0	132	3,213,734	6.90	5.24	...	...	...	...	...	...	...	...
Owners, part owners, and managers..	1,490	16.4	73.7	75.3	72.2	137	2,405,972	7.16	5.22	...	...	...	...	...	...	...	...
Cash tenants.....	40	25.3	2.0	3.5	0.9	495	69,467	15.95	3.23	...	...	...	...	...	...	...	...
All share tenants.....	474	14.7	23.4	20.3	26.1	102	707,173	5.81	5.68	...	...	...	...	...	...	...	...
Other tenants.....	19	13.4	0.9	0.9	0.8	154	31,122	8.39	5.44	...	...	...	...	...	...	...	...
Area 7b and D.....	3,378	32.1	100.0	100.0	100.0	110	4,666,092	5.90	5.36	8	(Z)	100.0	100.0	100.0	168	125	1.32	
Owners, part owners, and managers..	2,570	32.4	76.1	75.8	72.9	114	3,427,015	5.94	5.19	8	(Z)	100.0	100.0	100.0	168	125	1.32	
Cash tenants.....	42	31.0	1.2	0.7	0.4	179	25,180	7.11	3.97	...	...	...	...	...	...	...	...
All share tenants.....	741	31.0	21.9	22.4	25.6	96	1,182,475	5.85	6.07	...	...	...	...	...	...	...	...
Other tenants.....	25	44.0	0.7	1.1	1.1	110	31,422	3.78	3.42	...	...	...	...	...	...	...	...

Z Less than 0.05.

USE OF FERTILIZER AND LIME

Table 5.—USE AND EXPENDITURES FOR FERTILIZER AND LIME OF COMMERCIAL FARMS BY TENURE OF FARM OPERATOR, BY ECONOMIC AREAS: CENSUS OF 1954—Continued

State, economic area, and tenure of operator	Fertilizer									Lime							
	Farms reporting use of fertilizer	Acres fertilized as a percent of total cropland plus improved pasture	Percent distribution of—			Quantity used per acre fertilized (lb.)	Expenditures (dollars)			Farms reporting use of lime	Acres limed as a percent of total cropland plus improved pasture	Percent distribution of—			Expenditures (dollars)		
			Farms reporting fertilizer	Fertilizer used	Acres fertilized		For fertilizer	Per acre fertilized	Per cent. of fertilizer used			Farms reporting lime	Lime used	Acres limed	Quantity used per acre limed (lb.)	For lime	Per acre limed
West Virginia, total.....	13,865	20.3	100.0	100.0	100.0	371	2,393,180	8.80	2.38	5,304	5.3	100.0	100.0	100.0	3,612	466,180	6.57
Owners, part owners, and managers..	12,993	19.9	93.7	91.9	90.9	375	2,198,647	8.90	2.38	5,111	5.4	96.4	94.6	94.2	3,628	441,584	6.61
Cash tenants.....	237	25.1	1.7	2.6	2.9	335	69,430	8.81	2.63	40	2.6	0.8	1.4	1.2	4,232	5,780	7.05
All share tenants.....	367	28.1	2.6	4.0	4.7	314	89,585	6.96	2.22	76	3.1	1.4	2.2	2.0	4,000	10,083	7.18
Croppers.....	78	17.9	0.6	0.4	0.4	326	8,545	7.62	2.33	20	5.3	0.4	0.4	0.5	3,104	1,060	3.16
Other tenants.....	190	16.9	1.4	1.2	1.1	396	26,973	9.13	2.31	57	8.9	1.1	1.4	2.2	2,351	7,671	4.97
Areas 1 and A.....	1,233	14.2	100.0	100.0	100.0	396	206,067	9.82	2.48	804	6.5	100.0	100.0	100.0	3,539	70,948	7.44
Owners, part owners, and managers..	1,148	13.7	93.1	95.0	91.8	410	195,922	10.17	2.48	779	6.6	96.9	97.5	97.2	3,550	68,398	7.37
Cash tenants.....	35	34.2	2.8	2.7	4.9	221	6,410	6.22	2.81	5	0.7	0.6	0.6	0.2	9,500	335	16.75
All share tenants.....	35	20.0	2.8	1.9	2.4	324	2,940	5.88	1.81	20	9.8	2.5	1.9	2.6	2,612	2,215	9.04
Croppers.....	5	16.3	0.4	0.1	0.2	200	170	4.25	2.13	...	...	...	...	...	...	...	...
Other tenants.....	10	21.1	0.8	0.2	0.8	125	625	3.91	3.13	...	...	...	...	...	...	...	...
Areas 2s and B.....	2,187	18.8	100.0	100.0	100.0	372	349,093	9.69	2.61	591	4.1	100.0	100.0	100.0	3,565	56,170	7.13
Owners, part owners, and managers..	2,009	18.3	91.9	88.0	88.4	370	302,955	9.52	2.57	551	4.1	93.2	88.6	90.9	3,474	49,800	6.95
Cash tenants.....	41	37.2	1.9	5.6	5.4	392	26,640	13.82	3.52	10	6.6	1.7	5.2	4.3	4,265	3,250	9.56
All share tenants.....	85	19.6	3.9	5.0	5.3	351	15,040	7.90	2.25	25	3.7	4.2	5.8	4.6	4,500	2,970	8.25
Croppers.....	20	18.1	0.9	0.7	0.4	714	2,535	18.11	2.54	5	1.9	0.8	0.5	0.2	8,667	150	10.00
Other tenants.....	32	8.5	1.5	0.6	0.6	410	1,923	9.38	2.29	...	...	...	...	...	...	...	...
Area 2b.....	2,401	10.9	100.0	100.0	100.0	402	254,407	9.22	2.29	983	4.8	100.0	100.0	100.0	3,292	76,012	6.30
Owners, part owners, and managers..	2,318	11.1	96.5	96.9	96.7	403	247,424	9.27	2.30	957	4.7	97.4	95.4	93.7	3,350	72,692	6.43
Cash tenants.....	15	1.9	0.6	0.1	0.3	229	335	4.79	2.09	...	...	...	...	...	...	...	...
All share tenants.....	25	20.2	1.0	0.9	1.8	202	2,155	4.35	2.16	5	1.2	0.5	0.3	0.2	4,000	160	5.33
Croppers.....	17	3.2	0.7	0.3	0.3	420	855	10.56	2.51	5	2.0	0.5	0.4	0.4	3,000	150	3.00
Other tenants.....	26	6.8	1.1	1.7	0.9	741	3,638	14.05	1.89	16	17.6	1.6	3.9	5.6	2,311	3,010	4.46
Area 3.....	1,671	16.2	100.0	100.0	100.0	410	269,541	9.95	2.43	779	5.9	100.0	100.0	100.0	3,422	68,161	6.94
Owners, part owners, and managers..	1,611	16.6	96.4	97.0	96.6	412	261,336	9.99	2.43	754	5.9	96.8	95.0	94.3	3,448	64,916	7.01
Cash tenants.....	20	3.2	1.2	0.7	0.7	411	1,405	7.59	1.85	10	0.7	1.3	1.0	0.4	8,000	955	23.88
All share tenants.....	10	16.3	0.6	0.7	0.6	471	2,020	11.88	2.53	...	...	...	...	...	...	...	...
Croppers.....	10	20.1	0.6	0.5	0.6	360	1,110	7.40	2.06	5	22.8	0.6	1.1	1.7	2,118	360	2.12
Other tenants.....	20	19.0	1.2	1.1	1.6	295	3,670	8.74	2.96	10	15.9	1.3	3.0	3.6	2,857	1,930	5.51
Areas 4 and C.....	859	17.3	100.0	100.0	100.0	372	83,179	9.36	2.51	238	6.5	100.0	100.0	100.0	3,101	15,421	4.64
Owners, part owners, and managers..	798	16.8	92.9	90.5	89.8	376	75,469	9.47	2.52	233	6.9	97.9	99.0	99.2	3,094	15,121	4.59
Cash tenants.....	36	20.3	4.2	7.3	8.3	327	6,445	8.77	2.69	...	...	...	...	...	...	...	...
All share tenants.....	5	100.0	0.6	0.4	0.1	2,400	330	66.00	2.75	...	...	...	...	...	...	...	...
Croppers.....	5	65.2	0.6	0.7	0.8	320	450	6.00	1.88	...	...	...	...	...	...	...	...
Other tenants.....	15	32.8	1.7	1.1	1.1	400	485	5.11	1.28	5	8.6	2.1	1.0	0.8	4,000	300	12.00
Area 5.....	4,440	24.0	100.0	100.0	100.0	376	789,842	8.76	2.33	1,623	5.8	100.0	100.0	100.0	3,915	140,313	6.46
Owners, part owners, and managers..	4,270	24.0	96.2	96.3	96.6	375	760,170	8.72	2.32	1,581	5.8	97.4	98.3	97.0	3,966	137,132	6.51
Cash tenants.....	30	32.3	0.7	0.7	0.3	878	5,345	20.96	2.39	10	22.8	0.6	0.3	0.8	1,444	240	1.33
All share tenants.....	57	23.8	1.3	1.4	1.4	377	11,370	9.05	2.40	11	2.3	0.7	0.5	0.6	3,667	1,140	9.50
Croppers.....	6	28.2	0.1	0.1	0.1	313	825	7.17	2.29	...	...	...	...	...	...	...	...
Other tenants.....	77	26.2	1.7	1.5	1.6	361	12,132	8.54	2.37	21	6.4	1.3	0.9	1.6	2,209	1,801	5.22
Area 6.....	1,074	39.3	100.0	100.0	100.0	321	441,051	7.22	2.25	286	4.2	100.0	100.0	100.0	3,901	39,155	5.96
Owners, part owners, and managers..	839	40.9	78.1	79.9	78.5	326	355,371	7.41	2.27	256	4.6	89.5	81.8	82.6	3,862	33,525	6.18
Cash tenants.....	60	39.0	5.6	5.6	6.0	298	22,850	6.22	2.08	5	2.5	1.7	4.9	3.7	5,208	1,000	4.17
All share tenants.....	150	34.5	14.0	13.0	14.0	297	55,730	6.53	2.19	15	2.6	5.2	10.9	9.9	4,308	3,600	5.54
Croppers.....	15	35.9	1.4	0.6	0.9	212	2,600	5.00	2.36	5	6.9	1.7	1.6	1.5	4,000	400	4.00
Other tenants.....	10	15.7	0.9	1.0	0.6	506	4,500	11.39	2.25	5	6.0	1.7	0.8	2.3	1,400	630	4.20
Wisconsin, total.....	99,098	30.7	100.0	100.0	100.0	223	25,242,861	6.64	2.98	34,077	4.1	100.0	100.0	100.0	3,882	2,961,816	5.87
Owners, part owners, and managers..	81,968	29.7	82.7	81.7	78.9	231	20,592,887	6.87	2.98	28,849	4.2	84.7	82.0	83.3	3,824	2,496,817	5.95
Cash tenants.....	3,426	30.8	3.5	3.3	3.5	209	80,452	6.10	2.92	950	2.8	2.8	2.1	2.4	3,386	57,695	4.74
All share tenants.....	12,373	37.1	12.5	13.7	16.2	188	3,518,872	5.70	3.03	3,833	3.9	11.2	14.3	12.9	4,309	366,774	5.63
Other tenants.....	1,331	31.7	1.3	1.3	1.4	201	326,650	6.00	2.98	445	4.1	1.3	1.5	1.4	4,259	40,530	5.81
Areas 1 and A.....	5,763	18.5	100.0	100.0	100.0	360	1,400,907	10.70	2.97	2,428	3.6	100.0	100.0	100.0	4,019	215,203	8.52
Owners, part owners, and managers..	5,623	18.6	97.6	98.0	97.5	362	1,374,287	10.77	2.98	2,388	3.6	98.4	98.3	97.9	4,035	213,113	8.62
Cash tenants.....	75	12.1	1.3	1.2	1.2	349	13,270	8.51	2.44	20	0.9	0.8	0.2	0.5	2,000	330	2.75
All share tenants.....	25	18.5	0.4	0.4	0.5	287	5,770	8.36	2.91	5	2.0	0.2	0.1	0.3	800	120	1.60
Other tenants.....	40	15.7	0.7	0.4	0.8	173	7,580	7.12	4.12	15	4.8	0.6	1.4	1.3	4,338	1,640	5.05
Area 2s.....	13,715	27.6	100.0	100.0	100.0	189	2,867,039	6.03	3.18	4,904	4.4	100.0	100.0	100.0	4,149	447,165	5.88
Owners, part owners, and managers..	11,979	27.8	87.3	87.5	86.2	192	2,506,884	6.12	3.18	4,298	4.5	87.6	87.0	87.5	4,127	395,490	5.94
Cash tenants.....	575	26.6	4.2	3.6	3.7	185	80,452	5.87	3.18	150	3.4	3.1	2.9	3.0	4,026	11,390	5.00
All share tenants.....	1,016	26.6	7.4	7.8	9.0	164	224,200	5.23	3.19	386	3.6	7.9	7.6	7.6	4,161	31,320	5.42
Other tenants.....	145	24.3	1.1	1.1	1.1	193	32,545	6.28	3.25	70	6.8	1.4	2.4	1.9	5,292	8,965	6.16
Area 2b.....	9,235	29.8	100.0	100.0	100.0	217	1,698,105	6.03	2.78	3,665	4.9	100.0	100.0	100.0	3,749	269,411	5.77
Owners, part owners, and managers..	7,028	29.9	76.1	76.4	75.5	219	1,296,673	6.09	2.78	2,865	5.0	78.2	78.6	76.1	3,875	208,706	5.88
Cash tenants.....	225	35.8	2.4	3.0													

USE OF FERTILIZER AND LIME

Table 5.—USE AND EXPENDITURES FOR FERTILIZER AND LIME OF COMMERCIAL FARMS BY TENURE OF FARM OPERATOR, BY ECONOMIC AREAS: CENSUS OF 1954—Continued

State, economic area, and tenure of operator	Fertilizer									Lime								
	Farms reporting use of fertilizer	Acres fertilized as a percent of total cropland plus improved pasture	Percent distribution of—			Quantity used per acre fertilized (lb.)	Expenditures (dollars)			Farms reporting use of lime	Acres limed as a percent of total cropland plus improved pasture	Percent distribution of—			Quantity used per acre limed (lb.)	Expenditures (dollars)		
			Farms reporting fertilizer	Fertilizer used	Acres fertilized		For fertilizer	Per acre fertilized	Per cent. of fertilizer used			Farms reporting lime	Lime used	Acres limed		For lime	Per acre limed	
Wisconsin—Continued																		
Area 3.....	9,485	34.3	100.0	100.0	100.0	189	2,430,814	5.70	3.01	2,876	4.8	100.0	100.0	100.0	5,096	352,697	5.95	
Owners, part owners, and managers..	5,804	32.7	61.2	57.9	56.4	195	1,429,812	5.95	3.06	1,836	5.0	63.8	63.5	62.5	5,178	224,352	6.06	
Cash tenants.....	306	39.3	3.2	3.3	3.5	178	80,652	5.43	3.05	80	3.9	2.8	2.3	2.5	4,801	7,515	5.15	
All share tenants.....	3,135	36.7	33.1	36.0	37.3	183	850,920	5.34	2.92	875	4.4	30.4	31.4	32.5	4,929	110,775	5.75	
Other tenants.....	240	33.2	2.5	2.8	2.8	190	69,430	5.80	3.05	85	4.2	3.0	2.8	2.6	5,503	10,055	6.57	
Area 4.....	13,090	26.9	100.0	100.0	100.0	217	2,411,758	6.48	2.98	6,308	6.0	100.0	100.0	100.0	4,210	669,222	8.06	
Owners, part owners, and managers..	12,119	26.8	92.6	92.2	91.3	220	2,230,988	6.56	2.99	5,952	6.2	94.4	94.5	94.8	4,198	629,808	8.00	
Cash tenants.....	255	22.8	1.9	1.6	1.7	203	37,230	5.97	2.94	85	3.0	1.3	1.3	1.0	5,423	7,055	8.66	
All share tenants.....	601	29.8	4.6	5.2	5.9	192	125,215	5.69	2.97	231	3.8	3.7	3.6	3.3	4,553	27,589	9.94	
Other tenants.....	115	30.4	0.9	1.0	1.1	194	18,325	4.46	2.30	40	5.7	0.6	0.6	0.9	2,915	4,770	6.24	
Area 5.....	6,163	28.9	100.0	100.0	100.0	243	1,733,763	6.96	2.86	2,856	5.1	100.0	100.0	100.0	3,552	249,421	5.73	
Owners, part owners, and managers..	5,621	28.3	91.2	92.3	89.9	250	1,606,273	7.17	2.87	2,626	5.0	91.9	89.2	91.1	3,480	227,421	5.73	
Cash tenants.....	110	31.1	1.8	1.5	1.7	217	25,885	6.10	2.81	55	4.7	1.9	2.4	1.5	5,705	5,370	8.33	
All share tenants.....	346	37.8	5.6	5.3	7.2	181	87,725	4.92	2.72	160	6.2	5.6	8.0	6.8	4,190	15,395	5.22	
Other tenants.....	86	30.7	1.4	0.9	1.2	169	13,880	4.67	2.76	15	3.1	0.5	0.4	0.7	2,068	1,235	4.19	
Area 6.....	8,888	25.8	100.0	100.0	100.0	257	2,018,997	7.52	2.93	2,070	2.4	100.0	100.0	100.0	2,668	130,882	5.22	
Owners, part owners, and managers..	8,533	25.8	96.0	96.5	95.8	259	1,948,757	7.58	2.93	1,990	2.4	96.1	96.5	95.7	2,688	125,767	5.24	
Cash tenants.....	125	18.7	1.4	0.9	1.1	207	17,770	5.91	2.86	15	0.7	0.7	0.5	0.4	3,143	400	3.81	
All share tenants.....	175	25.8	2.0	1.9	2.4	202	39,165	6.12	3.02	55	3.7	2.7	2.8	3.6	2,066	4,400	4.86	
Other tenants.....	55	38.1	0.6	0.7	0.7	253	13,305	7.13	2.82	10	1.1	0.5	0.3	0.2	3,091	315	5.73	
Area 7.....	10,272	23.1	100.0	100.0	100.0	218	2,345,071	6.26	2.88	2,984	2.5	100.0	100.0	100.0	1,567	91,607	2.23	
Owners, part owners, and managers..	8,732	22.4	85.0	84.7	82.8	223	1,995,871	6.44	2.89	2,564	2.6	85.9	84.3	87.0	1,519	77,407	2.17	
Cash tenants.....	470	17.2	4.6	3.7	3.6	220	83,645	6.13	2.79	145	2.6	4.9	4.4	4.9	1,384	3,730	1.84	
All share tenants.....	985	33.0	9.6	11.7	12.9	187	253,355	5.23	2.80	250	2.1	8.4	10.8	7.6	2,220	10,055	3.21	
Other tenants.....	85	21.3	0.8	0.5	0.6	180	12,200	5.13	2.85	25	1.6	0.8	0.5	0.4	1,833	415	2.31	
Areas 8 and B.....	20,007	42.2	100.0	100.0	100.0	212	6,999,293	6.46	3.05	5,609	3.8	100.0	100.0	100.0	4,240	506,763	5.20	
Owners, part owners, and managers..	14,584	41.7	72.9	74.1	71.4	220	5,128,203	6.63	3.02	4,068	3.9	72.5	73.5	74.4	4,185	374,258	5.16	
Cash tenants.....	965	37.7	4.8	3.8	4.0	205	251,755	5.86	2.86	235	2.3	4.2	1.8	2.7	2,891	11,005	4.22	
All share tenants.....	4,113	45.1	20.6	20.7	23.1	190	1,515,805	6.06	3.20	1,206	3.7	21.5	23.2	21.3	4,624	114,465	5.52	
Other tenants.....	345	40.1	1.7	1.4	1.6	188	103,530	5.90	3.14	100	3.6	1.8	1.5	1.6	3,931	7,035	4.42	
Areas 9 and C.....	2,480	51.1	100.0	100.0	100.0	331	1,337,114	9.61	2.90	377	2.5	100.0	100.0	100.0	2,107	29,445	4.36	
Owners, part owners, and managers..	1,945	51.2	78.4	80.8	73.8	363	1,075,139	10.47	2.89	262	2.7	69.5	76.8	81.1	1,997	20,495	3.74	
Cash tenants.....	320	52.6	12.9	10.2	13.6	248	137,350	7.25	2.93	65	1.1	17.2	5.3	5.8	1,923	11,005	4.91	
All share tenants.....	175	50.7	7.1	7.1	11.1	213	100,210	6.49	3.04	40	2.8	10.6	16.1	12.4	2,738	6,260	7.45	
Other tenants.....	40	40.8	1.6	1.9	1.5	419	24,415	11.77	2.81	10	1.0	2.7	1.8	0.7	5,000	775	15.50	
Wyoming, total.....	2,169	4.4	100.0	100.0	100.0	194	991,756	8.26	4.25	7	(2)	100.0	100.0	100.0	1,321	1,958	2.05	
Owners, part owners, and managers..	1,524	3.5	70.3	68.4	68.8	193	663,446	8.04	4.16	2	(2)	28.6	48.5	33.5	1,912	1,208	3.78	
Cash tenants.....	36	2.3	1.7	1.1	1.2	182	11,967	8.65	4.75	...	...	...	...	...	...	...	...
All share tenants.....	578	11.7	26.6	29.5	29.2	196	307,961	8.80	4.48	5	0.2	71.4	51.5	66.5	1,024	750	1.18	
Other tenants.....	31	6.5	1.4	1.0	0.9	224	8,382	7.69	3.44	...	...	...	...	...	...	...	...
Area 1.....	134	0.7	100.0	100.0	100.0	217	40,395	6.72	3.10	...	...	...	...	...	...	...	...
Owners, part owners, and managers..	129	0.7	96.3	93.9	97.8	208	38,875	6.62	3.18	...	...	...	...	...	...	...	...
Cash tenants.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
All share tenants.....	5	0.8	3.7	6.1	2.2	593	1,520	11.26	1.90	...	...	...	...	...	...	...
Other tenants.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Area 2a.....	1,320	12.6	100.0	100.0	100.0	191	642,695	8.22	4.30	5	0.1	100.0	100.0	100.0	1,024	750	1.18	
Owners, part owners, and managers..	984	11.3	74.5	71.4	72.5	188	456,670	8.05	4.28	...	...	...	...	...	...	...
Cash tenants.....	22	4.0	1.7	0.9	1.0	176	6,887	8.81	4.99	...	...	...	...	...	...	...
All share tenants.....	283	20.9	21.4	26.0	25.1	198	170,756	8.70	4.40	5	0.7	100.0	100.0	100.0	1,024	750	1.18	
Other tenants.....	31	13.3	2.3	1.6	1.4	224	8,382	7.69	3.44	...	...	...	...	...	...
Area 2b.....	715	2.7	100.0	100.0	100.0	198	308,666	8.62	4.36	2	(2)	100.0	100.0	100.0	1,912	1,208	3.78	
Owners, part owners, and managers..	411	1.8	57.5	57.4	55.7	203	167,901	8.41	4.14	2	(2)	100.0	100.0	100.0	1,912	1,208	3.78	
Cash tenants.....	14	2.4	2.0	1.6	1.7	189	5,080	8.44	4.46	...	...	...	...	...	...
All share tenants.....	290	8.1	40.6	41.0	42.6	190	135,685	8.90	4.67	...	...	...	...	...
Other tenants.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...

Z Less than 0.05.

USE OF FERTILIZER AND LIME

Table 6.—USE AND EXPENDITURES FOR FERTILIZER AND LIME OF COMMERCIAL FARMS BY TYPE OF FARM, BY ECONOMIC AREAS: CENSUS OF 1954—Continued

State, economic area, and type of farm	Fertilizer									Lime							
	Farms reporting use of fertilizer	Acres fertilized as a percent of total cropland plus improved pasture	Percent distribution of—			Quantity used per acre fertilized (lb.)	Expenditures (dollars)			Farms reporting use of lime	Acres limed as a percent of total cropland plus improved pasture	Percent distribution of—			Expenditures (dollars)		
			Farms reporting fertilizer	Fertilizer used	Acres fertilized		For fertilizer	Per acre fertilized	Per cent. of fertilizer used			Farms reporting lime	Lime used	Acres limed	Quantity used per acre limed (lb.)	For lime	Per acre limed
Arizona—Continued																	
Area 2a—Continued	1,006	60.5	100.0	100.0	100.0	328	5,712,119	16.51	5.03	3	(2)	100.0	100.0	100.0	2,054	2,500	11.16
All crop farms.....	830	60.6	82.5	88.8	89.7	325	5,187,432	16.72	5.15	2	(2)	66.7	91.3	64.3	2,917	2,250	15.62
All livestock farms.....	55	43.2	5.5	3.0	3.2	310	136,617	12.23	3.95	...	...	...	...	...	...	...	...
General crop and livestock farms.....	111	74.0	11.0	8.0	7.0	375	379,570	15.76	4.20	1	0.2	33.3	8.7	35.7	500	250	3.12
All other farms.....	10	33.9	1.0	0.2	0.1	541	8,500	22.97	4.25	...	...	...	...	...	...	...	...
Area 2b.....	485	35.3	100.0	100.0	100.0	242	919,663	11.91	4.93	5	0.1	100.0	100.0	100.0	2,000	1,600	4.00
All crop farms.....	394	45.0	81.2	91.8	87.4	254	816,293	12.11	4.77	5	0.2	100.0	100.0	100.0	2,000	1,000	4.00
All livestock farms.....	65	13.8	13.4	6.8	10.6	155	89,128	10.88	7.00	...	...	...	...	...	...	...	...
General crop and livestock farms.....	16	17.3	3.3	1.3	2.0	151	13,472	8.69	5.76	...	...	...	...	...	...	...	...
All other farms.....	10	66.7	2.1	0.1	(2)	800	770	38.50	4.81	...	...	...	...	...	...	...	...
Arkansas, total.....	67,174	35.6	100.0	100.0	100.0	235	20,790,428	7.57	3.23	2,878	0.9	100.0	100.0	100.0	2,986	419,415	6.10
All crop farms.....	51,534	42.7	76.7	81.7	82.3	233	17,524,629	7.75	3.33	1,018	0.6	35.4	46.3	45.7	3,020	196,739	6.26
All livestock farms.....	12,704	18.4	18.9	13.9	13.2	246	2,431,655	6.69	2.72	1,596	1.6	55.5	44.7	45.3	2,947	186,853	6.00
General crop and livestock farms.....	2,623	28.8	3.9	4.1	4.0	238	770,756	6.94	2.91	230	1.4	8.0	7.2	8.1	2,656	30,183	5.43
All other farms.....	213	20.0	0.5	0.3	0.4	216	63,388	6.33	2.93	34	1.3	1.2	1.8	0.9	6,149	5,640	9.14
Area 1a.....	2,763	27.0	100.0	100.0	100.0	233	505,126	6.33	2.72	336	2.2	100.0	100.0	100.0	3,473	34,960	5.42
All crop farms.....	170	52.9	6.2	10.7	11.6	215	67,480	7.29	3.38	15	0.4	4.5	1.1	1.0	3,692	370	5.69
All livestock farms.....	2,413	25.0	87.3	83.7	82.1	237	408,496	6.24	2.63	286	2.1	85.1	81.6	84.7	3,345	27,890	5.10
General crop and livestock farms.....	170	33.2	6.2	5.4	6.2	206	28,625	5.84	2.83	30	6.2	8.9	17.3	14.2	4,230	6,655	7.27
All other farms.....	10	12.6	0.4	0.1	0.1	244	525	5.83	2.39	5	0.7	1.5	(2)	0.1	2,000	45	9.00
Area 1b.....	4,308	14.4	100.0	100.0	100.0	262	548,702	6.52	2.48	521	0.9	100.0	100.0	100.0	3,346	39,095	7.23
All crop farms.....	592	27.4	13.7	13.2	14.5	238	67,162	5.50	2.31	5	(2)	1.0	0.1	0.1	4,000	50	10.00
All livestock farms.....	3,293	12.8	76.4	75.4	73.8	268	420,582	6.77	2.52	482	1.1	92.5	94.6	94.6	3,345	37,033	7.24
General crop and livestock farms.....	364	20.7	8.4	10.6	11.0	254	56,653	6.13	2.41	23	0.5	4.4	3.9	4.2	3,066	1,382	6.03
All other farms.....	59	6.0	1.4	0.8	0.7	282	4,305	6.98	2.47	11	0.6	2.1	1.4	1.1	4,483	630	10.86
Area 2.....	3,010	22.4	100.0	100.0	100.0	247	691,418	7.01	2.84	260	1.3	100.0	100.0	100.0	2,725	27,004	4.88
All crop farms.....	906	26.4	30.1	35.9	35.2	252	248,540	7.17	2.84	54	1.0	20.8	24.5	23.6	2,837	6,823	5.23
All livestock farms.....	1,852	20.4	61.5	55.1	56.8	240	381,169	6.80	2.84	190	1.5	73.1	71.7	73.2	2,672	18,982	4.69
General crop and livestock farms.....	232	24.3	7.7	8.8	7.9	276	59,959	7.72	2.80	16	0.6	6.2	3.7	3.3	3,111	1,199	6.66
All other farms.....	20	4.3	0.7	0.2	0.1	545	1,750	15.91	2.92	...	...	...	...	...	...	...	...
Areas 3 and A.....	5,482	24.5	100.0	100.0	100.0	261	1,370,490	7.35	2.81	329	0.7	100.0	100.0	100.0	3,683	35,409	7.15
All crop farms.....	3,312	30.7	60.4	63.6	63.1	263	840,922	7.14	2.71	106	0.3	32.2	25.7	23.2	4,077	9,116	7.93
All livestock farms.....	1,527	15.2	28.0	23.0	22.8	263	349,978	8.21	3.12	158	1.0	48.0	51.5	59.0	3,213	20,033	6.85
General crop and livestock farms.....	603	26.1	11.0	12.3	12.9	249	165,410	6.89	2.77	59	0.8	17.9	12.8	14.6	3,227	4,620	6.40
All other farms.....	30	33.3	0.5	1.1	1.2	241	14,180	6.58	2.73	6	2.5	1.8	10.1	3.2	11,500	1,640	10.25
Area 4.....	1,523	15.8	100.0	100.0	100.0	236	248,721	6.22	2.63	223	1.8	100.0	100.0	100.0	2,551	23,793	5.08
All crop farms.....	221	24.1	14.5	23.3	23.9	230	64,400	6.74	2.93	6	0.2	2.7	2.1	1.8	2,941	325	3.82
All livestock farms.....	1,133	13.8	74.4	67.4	64.4	248	158,464	6.16	2.49	203	2.4	91.0	93.7	95.1	2,514	22,246	5.04
General crop and livestock farms.....	135	17.1	8.9	7.7	8.4	216	21,852	6.50	3.01	11	0.3	4.9	1.8	1.3	3,667	445	7.42
All other farms.....	34	16.2	2.2	1.6	3.3	113	4,005	3.01	2.67	3	1.0	1.3	2.3	1.8	3,333	597	7.11
Area 5.....	3,129	31.5	100.0	100.0	100.0	233	787,476	6.18	2.65	129	1.1	100.0	100.0	100.0	1,645	15,885	3.46
All crop farms.....	2,165	41.7	69.2	69.3	66.5	243	542,643	6.40	2.64	31	0.3	24.0	26.8	15.4	2,871	4,807	6.82
All livestock farms.....	668	19.1	21.3	21.4	24.0	208	166,201	5.44	2.61	67	2.1	51.9	60.5	73.2	1,360	8,520	2.54
General crop and livestock farms.....	235	32.0	7.5	8.4	8.5	230	71,941	6.64	2.88	30	1.5	23.3	12.6	11.0	1,881	2,550	5.05
All other farms.....	61	17.4	1.9	0.9	1.0	218	6,691	5.49	2.52	1	0.3	0.8	0.1	0.4	200	8	0.40
Area 6.....	4,461	38.8	100.0	100.0	100.0	272	1,174,387	7.75	2.85	150	1.3	100.0	100.0	100.0	2,495	30,719	6.14
All crop farms.....	3,241	50.9	72.7	74.4	73.9	273	897,519	8.02	2.93	41	0.8	27.3	28.8	33.3	2,157	8,991	5.40
All livestock farms.....	812	19.7	18.2	16.8	16.6	275	175,612	7.00	2.54	89	1.7	59.3	48.1	44.4	2,704	14,888	6.71
General crop and livestock farms.....	334	35.3	7.5	7.7	8.3	252	87,914	7.02	2.79	13	2.4	8.7	14.8	17.1	2,156	4,300	5.01
All other farms.....	74	24.0	1.7	1.2	1.3	254	13,342	6.93	2.73	7	3.2	4.7	8.3	5.2	4,000	2,540	9.77
Area 7a.....	15,978	36.8	100.0	100.0	100.0	229	5,048,084	7.44	3.25	564	0.9	100.0	100.0	100.0	3,089	86,982	5.53
All crop farms.....	15,201	37.5	95.1	94.3	94.4	229	4,755,978	7.42	3.25	471	0.7	83.5	83.7	79.6	3,252	71,457	5.72
All livestock farms.....	416	25.1	2.6	2.8	2.7	233	137,237	7.36	3.16	46	1.6	8.2	8.0	7.4	3,308	7,255	6.20
General crop and livestock farms.....	349	30.8	2.2	2.7	2.7	235	140,804	7.76	3.31	47	3.5	8.3	8.3	13.0	1,968	8,270	4.05
All other farms.....	12	48.7	0.1	0.2	0.2	240	14,065	10.70	4.45	...	...	...	...	...	...	...	...
Area 7b.....	3,761	44.5	100.0	100.0	100.0	207	2,476,583	7.54	3.65	94	0.5	100.0	100.0	100.0	3,734	38,149	10.44
All crop farms.....	3,366	45.8	89.5	92.5	93.9	204	2,338,284	7.58	3.72	36	0.2	38.3	30.9	44.5	2,591	11,351	6.97
All livestock farms.....	304	28.3	8.1	5.4	4.1	276	92,909	6.95	2.52	57	4.2	60.6	67.3	54.3	4,625	26,306	13.12
General crop and livestock farms.....	90	38.3	2.4	2.0	1.8	227	43,590	7.39	3.26	1	0.3	1.1	1.8	1.1	5,952	762	18.14
All other farms.....	1	74.4	(2)	0.1	0.2	90	1,800	2.25	2.50	...	...	...	...	...	...	...	...
Area 8a.....	15,735	49.1	100.0	100.0	100.0	227	5,464,911	8.12	3.57	156	0.5	100.0	100.0	100.0	3,245	59,866	8.28
All crop farms.....	15,571	49.5	99.0	97.5	98.0	226	5,360,598	8.12	3.59	146	0.5	93.6	97.1	97.5	3,232	58,061	8.24
All livestock farms.....	98	34.5	0.6	1.6	1.1	325	64,959	8.45	2.60	10	0.8	6.4	2.9	2.5	3,722	1,805	10.03
General crop and livestock farms.....	66	34.8	0.4	0.9	0.9	238	39,354	6.76	2.84	...	...	...	...	...	...	...	...
All other farms.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Area 8b.....	7,024	47.7	100.0	100.0	100.0	249	2,474,530	8.33	3.35	116	0.9	100.0	100.0	100.0	2,501	27,553	4.97
All crop farms.....	6,789	50.4	96.7	94.5	91.4	257	2,341,103	8.62	3.35	107	1.0	92.2	92.2	95.2	2,422	25,388	4.81
All livestock farms.....	178	27.7	2.5	3.1	5.5	141	76,048	4.64	3.29	8	0.4	6.9	5.2	4.2	3,064	1,985	8.45
General crop and livestock farms.....	45	38.0	0.6	2.2	2.9	189	54,654	6.35	3.35	...	...	...	...	...	...	...	...
All other farms.....	12	22.6	0.2	0.1	0.2	200	2,725	5.92	2.96	1	1.5	0.9	2.6	0.5	12,000	180	6.00

Z Less than 0.05.

USE OF FERTILIZER AND LIME

Table 6.—USE AND EXPENDITURES FOR FERTILIZER AND LIME OF COMMERCIAL FARMS BY TYPE OF FARM, BY ECONOMIC AREAS: CENSUS OF 1954—Continued

State, economic area, and type of farm	Fertilizer									Lime							
	Farms reporting use of fertilizer	Acres fertilized as a percent of total cropland plus improved pasture	Percent distribution of—			Quantity used per acre fertilized (lb.)	Expenditures (dollars)			Farms reporting use of lime	Acres limed as a percent of total cropland plus improved pasture	Percent distribution of—		Quantity used per acre limed (lb.)	Expenditures (dollars)		
			Farms reporting fertilizer	Fertilizer used	Acres fertilized		For fertilizer	Per acre fertilized	Per cwt. of fertilizer used			Lime used	Acres limed		For lime	Per acre limed	
California, total.....	40,956	28.5	100.0	100.0	100.0	421	62,364,157	16.29	3.87	1,770	0.5	100.0	100.0	100.0	3,842	796,647	11.45
All crop farms.....	31,351	39.0	76.5	78.3	75.7	435	48,080,110	16.58	3.81	1,306	0.7	73.8	68.8	73.8	3,584	561,291	10.93
All livestock farms.....	5,444	8.1	13.3	6.1	9.1	283	3,279,346	9.37	3.32	294	0.2	16.6	8.6	14.3	2,311	87,841	8.82
General crop and livestock farms.....	2,672	35.1	6.5	14.2	14.4	414	10,047,012	18.17	4.39	112	0.5	6.3	21.2	10.7	7,619	125,260	16.83
All other farms.....	1,489	31.5	3.6	1.4	0.7	829	957,689	36.30	4.38	58	1.0	3.3	1.3	1.2	4,299	22,255	26.62
Area 1.....	780	10.0	100.0	100.0	100.0	370	294,715	11.46	3.10	93	0.6	100.0	100.0	100.0	2,061	23,629	14.99
All crop farms.....	335	25.4	42.9	39.4	39.6	368	138,095	13.57	3.69	5	0.7	5.4	9.2	19.0	1,000	1,800	6.00
All livestock farms.....	392	7.5	50.3	54.5	56.1	359	137,454	9.52	2.65	73	0.6	78.5	81.8	71.1	2,371	19,409	17.31
General crop and livestock farms.....	11	7.0	1.4	1.5	2.4	237	4,601	7.48	3.15	5	0.3	5.4	1.5	1.6	2,000	70	2.80
All other farms.....	42	3.5	5.4	4.6	1.9	888	14,565	29.54	3.33	10	0.9	10.8	7.4	8.2	1,846	2,350	18.08
Area 2.....	1,000	11.6	100.0	100.0	100.0	332	374,135	10.84	3.26	38	0.3	100.0	100.0	100.0	1,995	9,279	10.48
All crop farms.....	731	18.9	73.1	56.6	54.3	346	226,602	12.08	3.49	21	0.5	55.3	79.0	55.4	2,849	7,484	15.27
All livestock farms.....	229	8.0	22.9	36.5	41.0	295	115,853	8.18	2.77	17	0.2	44.7	21.0	44.6	937	1,795	4.54
General crop and livestock farms.....	19	5.9	1.9	2.5	2.8	303	10,015	10.39	3.43	...	...	...	...	...	...	...	...
All other farms.....	21	13.3	2.1	4.4	1.8	787	21,665	34.12	4.33	...	...	...	...	...	...	...	...
Areas A and B.....	3,467	17.9	100.0	100.0	100.0	622	3,770,935	24.88	4.00	109	0.8	100.0	100.0	100.0	3,067	51,108	7.33
All crop farms.....	2,825	30.2	81.5	87.1	82.3	658	3,252,765	26.08	3.97	63	1.2	57.8	85.2	72.7	3,595	41,226	8.13
All livestock farms.....	170	4.2	4.9	3.1	10.0	191	108,485	7.19	3.77	15	0.5	13.8	7.8	23.8	1,004	7,242	4.35
General crop and livestock farms.....	88	13.3	2.5	4.0	5.7	436	134,730	15.52	3.56	1	0.3	9.9	6.5	2.4	8,434	2,100	12.65
All other farms.....	384	46.5	11.1	5.9	2.0	1,801	274,955	89.30	4.96	30	1.1	27.5	0.4	1.1	1,200	540	7.20
Area 3.....	1,583	17.3	100.0	100.0	100.0	950	6,105,069	33.26	3.50	64	0.2	100.0	100.0	100.0	2,391	18,637	7.78
All crop farms.....	1,237	22.0	78.1	88.3	79.3	1,057	5,290,001	36.33	3.44	57	0.3	89.1	80.4	86.0	2,234	16,599	8.05
All livestock farms.....	171	5.1	10.8	2.1	8.3	242	131,060	8.58	3.55	7	0.1	10.9	19.6	14.0	3,355	2,038	6.08
General crop and livestock farms.....	153	21.3	9.7	9.2	11.7	751	659,018	30.75	4.09	...	...	...	...	...	...	...	...
All other farms.....	22	62.2	1.4	0.4	0.7	556	24,990	19.86	3.57	...	...	...	...	...	...	...	...
Areas 4 and C.....	4,493	30.2	100.0	100.0	100.0	258	6,697,103	9.50	3.69	135	0.3	100.0	100.0	100.0	4,261	62,027	10.04
All crop farms.....	3,279	39.3	73.0	78.8	82.0	248	5,439,009	9.41	3.80	66	0.2	48.9	34.5	38.0	3,867	25,159	10.72
All livestock farms.....	754	7.2	16.8	5.0	6.0	215	271,238	6.46	3.01	31	0.2	23.0	6.8	16.7	1,733	5,957	5.76
General crop and livestock farms.....	425	29.6	9.5	15.6	11.4	353	936,710	11.70	3.31	38	1.0	28.1	58.7	45.2	5,529	30,911	11.07
All other farms.....	35	60.9	0.8	0.6	0.7	229	50,146	10.06	4.40	...	...	...	...	...	...	...	...
Areas 5 and D.....	5,333	24.2	100.0	100.0	100.0	385	5,066,137	13.24	3.44	359	1.0	100.0	100.0	100.0	3,668	161,660	9.76
All crop farms.....	3,373	36.2	63.2	73.8	66.4	428	3,857,487	15.19	3.55	239	1.6	66.6	68.4	68.8	3,649	104,400	9.16
All livestock farms.....	1,503	11.2	28.2	14.4	19.8	280	581,555	7.68	2.74	81	0.4	22.6	9.9	18.1	2,005	29,932	9.99
General crop and livestock farms.....	426	25.9	8.0	11.7	13.6	332	615,435	11.85	3.57	38	1.0	10.6	21.0	12.5	6,154	23,828	11.46
All other farms.....	31	49.2	0.6	0.1	0.2	241	11,660	14.34	5.95	1	6.1	0.3	0.7	0.6	4,000	3,500	35.00
Areas 6 and E.....	10,391	36.2	100.0	100.0	100.0	365	19,765,103	14.35	3.93	701	0.8	100.0	100.0	100.0	4,508	393,255	13.17
All crop farms.....	8,920	43.0	85.8	80.1	83.0	352	14,959,965	13.08	3.72	643	1.0	91.7	74.0	85.8	3,889	306,654	11.98
All livestock farms.....	767	7.0	7.4	3.4	3.7	340	544,992	10.81	3.18	35	0.3	5.0	6.8	7.6	4,082	20,575	9.19
General crop and livestock farms.....	677	42.8	6.5	16.3	13.2	450	4,244,246	23.26	5.17	23	0.5	3.3	19.2	6.7	12,641	66,026	32.78
All other farms.....	27	51.1	0.3	0.1	0.1	630	15,900	16.37	2.60	...	...	...	...	...	...	...	...
Areas 7, F, G, and H.....	9,580	26.4	100.0	100.0	100.0	665	9,037,759	26.70	4.01	197	0.2	100.0	100.0	100.0	2,264	41,250	14.83
All crop farms.....	7,777	38.7	81.2	86.5	80.8	712	7,845,164	28.69	4.03	161	0.3	81.7	80.4	82.0	2,221	38,647	16.95
All livestock farms.....	649	7.6	6.8	4.6	8.8	346	337,671	11.29	3.26	29	(2)	14.7	2.9	4.4	1,504	653	5.40
General crop and livestock farms.....	297	14.6	3.1	3.7	6.9	355	339,684	14.58	4.11	1	0.2	0.5	15.9	10.8	3,333	1,700	5.67
All other farms.....	857	48.9	8.9	5.3	3.5	991	515,240	43.12	4.35	6	0.3	3.0	0.8	2.9	6,225	250	3.12
Area 8.....	2,770	61.3	100.0	100.0	100.0	458	10,434,401	19.72	4.30	32	0.1	100.0	100.0	100.0	2,220	11,417	10.30
All crop farms.....	1,993	63.0	71.9	62.8	55.3	521	6,518,580	22.26	4.28	26	0.2	81.2	93.9	94.1	2,215	10,792	10.35
All livestock farms.....	297	40.2	10.7	7.8	11.2	318	862,907	14.52	4.56	...	...	...	...	...	...	...	...
General crop and livestock farms.....	469	70.9	16.9	29.3	33.4	403	3,047,189	17.25	4.28	6	(2)	18.8	6.1	5.9	2,308	625	9.62
All other farms.....	11	19.5	0.4	0.1	(2)	623	5,725	24.78	3.98	...	...	...	...	...	...	...	...
Area 9.....	1,559	9.3	100.0	100.0	100.0	231	818,800	8.08	3.49	42	0.1	100.0	100.0	100.0	3,777	24,385	19.54
All crop farms.....	881	27.3	56.5	63.4	58.1	252	552,442	9.38	3.72	25	0.3	59.5	38.8	59.3	2,473	8,530	11.53
All livestock farms.....	512	4.3	32.8	27.0	33.2	188	188,131	5.59	2.97	6	(2)	14.3	1.5	4.6	1,228	240	4.21
General crop and livestock farms.....	107	8.7	6.9	6.4	6.8	220	55,384	8.07	3.67	...	...	...	...	...	...	...	...
All other farms.....	59	10.5	3.8	3.2	1.9	381	22,843	11.60	3.05	11	2.4	26.2	59.7	36.1	6,239	15,615	34.62
Colorado, total.....	8,981	3.8	100.0	100.0	100.0	216	3,869,000	9.32	4.31	66	(2)	100.0	100.0	100.0	1,596	5,655	5.68
All crop farms.....	3,228	3.3	35.9	37.6	36.5	223	1,479,652	9.77	4.38	26	(2)	39.4	44.6	46.2	1,539	2,085	4.53
All livestock farms.....	3,554	3.4	39.6	38.0	41.9	196	1,439,293	8.27	4.21	20	(2)	30.3	47.9	50.3	1,520	3,020	6.04
General crop and livestock farms.....	2,012	7.8	22.4	22.6	21.4	228	889,854	10.00	4.39	...	...	...	...	...	...	...	...
All other farms.....	187	7.1	2.1	1.8	0.1	2,662	60,201	99.67	3.74	20	0.4	30.3	7.6	3.5	3,429	550	15.71
Area 1.....	301	1.3	100.0	100.0	100.0	169	77,745	7.14	4.21	...	...	...	...	...	...	...	...
All crop farms.....	28	0.6	9.3	8.2	6.7	209	5,809	7.99	3.82	...	...	...	...	...	...	...	...
All livestock farms.....	243	1.5	80.7	85.2	87.3	165	67,003	7.04	4.26	...	...	...	...	...	...	...	...
General crop and livestock farms.....	30	0.8	10.0	6.6	6.0	185	4,933	7.50	4.04	...	...	...	...	...	...	...	...
All other farms.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Area 2a.....	1,975	9.2	100.0	100.0	100.0	240	587,550	9.99	4.16	...	...</				

USE OF FERTILIZER AND LIME

Table 6.—USE AND EXPENDITURES FOR FERTILIZER AND LIME OF COMMERCIAL FARMS BY TYPE OF FARM, BY ECONOMIC

AREAS: CENSUS OF 1954—Continued

State, economic area, and type of farm	Fertilizer									Lime								
	Farms reporting use of fertilizer	Acres fertilized as a percent of total cropland plus improved pasture	Percent distribution of—			Quantity used per acre fertilized (lb.)	Expenditures (dollars)			Farms reporting use of lime	Acres limed as a percent of total cropland plus improved pasture	Percent distribution of—			Quantity used per acre limed (lb.)	Expenditures (dollars)		
			Farms reporting fertilizer	Fertilizer used	Acres fertilized		For fertilizer	Per acre fertilized	Per cent. of fertilizer used			Farms reporting lime	Lime used	Acres limed		For lime	Per acre limed	
Colorado—Continued																		
Area 2B.....	528	6.5	100.0	100.0	100.0	276	410,307	11.27	4.08	21	0.1	100.0	100.0	100.0	1,766	385	6.75	
All crop farms.....	356	14.3	67.4	75.0	70.2	295	304,212	11.90	4.03	16	0.2	76.2	56.4	61.5	1,620	1,885	4.71	
All livestock farms.....	102	2.3	19.3	15.9	20.2	217	67,049	9.10	4.19	5	0.1	23.8	43.6	38.5	2,000	2,500	10.00	
General crop and livestock farms.....	70	6.3	13.3	9.1	9.5	264	39,046	11.23	4.25	...	...	...	...	...	...	...	...
All other farms.....
Area 3.....	4,199	9.6	100.0	100.0	100.0	209	2,065,111	9.32	4.47	5	(2)	100.0	100.0	100.0	4,000	50	10.00	
All crop farms.....	1,273	6.8	30.3	31.7	32.6	203	687,836	9.54	4.70	...	...	...	...	...	...	...	...
All livestock farms.....	1,838	10.1	43.8	41.8	42.8	204	822,847	8.67	4.26	...	...	...	...	...	...	...	...
General crop and livestock farms.....	1,063	17.5	25.3	26.3	24.5	223	550,278	10.12	4.53	...	...	...	...	...	...	...	...
All other farms.....	25	16.3	0.6	0.2	0.1	606	4,150	25.15	4.15	5	0.5	100.0	100.0	100.0	4,000	50	10.00	
Areas 4 and A.....	1,108	1.1	100.0	100.0	100.0	159	341,408	6.44	4.05	40	(2)	100.0	100.0	100.0	1,235	1,220	3.59	
All crop farms.....	439	0.9	39.6	41.3	41.7	158	132,137	5.98	3.79	10	(2)	25.0	14.3	17.6	1,000	200	3.33	
All livestock farms.....	417	1.2	37.6	32.8	48.5	107	124,589	4.84	4.51	15	(2)	37.5	61.9	73.5	1,040	520	2.08	
General crop and livestock farms.....	91	1.4	8.2	8.0	9.0	142	28,661	6.04	4.25	...	...	...	...	...	...	...	...
All other farms.....	161	16.8	14.6	17.9	0.8	3,443	56,021	127.90	3.71	15	1.1	37.5	23.8	8.8	3,333	500	16.67	
Area 5.....	870	2.0	100.0	100.0	100.0	265	386,879	11.19	4.22	...	...	...	...	...	...	...	...
All crop farms.....	221	1.6	25.4	21.3	26.3	215	92,119	10.14	4.72	...	...	...	...	...	...	...	...
All livestock farms.....	275	1.5	31.6	39.3	36.1	288	144,861	11.60	4.03	...	...	...	...	...	...	...	...
General crop and livestock farms.....	374	4.8	43.0	39.5	37.6	278	143,899	11.53	4.14	...	...	...	...	...	...	...	...
All other farms.....
Connecticut, total.....	4,545	35.7	100.0	100.0	100.0	897	4,169,205	23.92	3.22	2,406	8.9	100.0	100.0	100.0	2,168	302,613	8.42	
All crop farms.....	1,213	62.8	26.7	59.2	27.7	1,920	2,678,246	67.13	3.50	486	13.1	20.2	14.1	23.2	1,317	52,525	6.30	
All livestock farms.....	2,353	30.6	65.0	36.7	68.5	481	1,325,269	13.43	2.79	1,762	8.0	73.2	79.8	71.7	2,412	230,117	8.93	
General crop and livestock farms.....	146	29.5	3.2	2.5	2.5	910	97,170	26.97	2.96	61	8.6	2.5	3.0	2.9	2,220	9,235	8.84	
All other farms.....	233	40.8	5.1	1.5	1.3	1,007	68,520	35.30	3.51	97	16.1	4.0	3.1	2.1	3,146	10,736	13.98	
Areas 1 and A.....	1,010	32.7	100.0	100.0	100.0	437	444,356	11.86	2.71	590	7.3	100.0	100.0	100.0	2,388	64,575	7.73	
All crop farms.....	51	34.8	5.0	4.7	4.7	436	22,590	12.76	2.93	26	8.6	4.4	3.4	5.2	1,563	2,410	5.54	
All livestock farms.....	842	33.1	83.4	92.3	93.6	431	407,406	11.61	2.70	534	7.4	90.5	95.7	94.0	2,430	61,450	7.83	
General crop and livestock farms.....	30	23.2	3.0	1.3	1.1	530	5,375	13.42	2.54	5	0.9	0.8	0.4	0.2	4,667	340	22.67	
All other farms.....	87	13.3	8.6	1.7	0.6	1,336	8,985	42.58	3.19	25	3.1	4.2	0.6	0.6	2,200	375	7.50	
Areas B and C.....	2,023	6.4	100.0	100.0	100.0	1,339	2,962,216	46.39	3.46	981	12.0	100.0	100.0	100.0	1,783	120,555	7.39	
All crop farms.....	1,009	65.8	49.9	79.0	48.9	2,165	2,409,696	77.25	3.57	392	14.0	40.0	26.7	40.8	1,168	38,515	5.79	
All livestock farms.....	853	36.8	42.3	17.3	47.0	493	447,040	14.89	3.02	503	10.3	51.3	61.5	51.3	2,134	68,200	8.14	
General crop and livestock farms.....	60	28.7	3.0	2.3	2.3	1,337	60,375	41.49	3.10	30	12.7	3.1	4.2	4.0	1,907	4,200	6.51	
All other farms.....	101	62.2	5.0	1.4	1.8	1,024	45,105	38.22	3.73	56	33.7	5.7	7.6	3.9	3,453	9,640	15.06	
Area 2.....	1,512	28.0	100.0	100.0	100.0	641	762,633	17.80	2.78	835	7.4	100.0	100.0	100.0	2,563	117,483	10.43	
All crop farms.....	153	62.9	10.1	30.2	16.2	1,194	245,960	35.48	2.97	68	11.3	8.1	8.8	11.1	2,024	11,600	9.28	
All livestock farms.....	1,258	24.9	83.2	64.1	78.5	523	470,823	14.01	2.68	725	7.1	86.8	87.4	84.8	2,641	100,467	10.52	
General crop and livestock farms.....	56	33.4	3.7	4.1	4.1	641	31,420	17.97	2.81	26	7.1	3.1	3.5	3.4	2,649	4,695	12.19	
All other farms.....	45	43.4	3.0	1.7	1.3	844	14,430	26.24	3.11	16	6.2	1.9	0.3	0.7	1,231	721	9.24	
Delaware, total (Areas 1 and A).....	4,063	62.0	100.0	100.0	100.0	479	3,788,406	12.45	2.60	1,345	9.6	100.0	100.0	100.0	1,605	298,547	6.36	
All crop farms.....	1,311	66.6	32.3	47.1	37.9	596	1,795,151	15.59	2.61	440	10.5	32.7	39.5	38.6	1,644	131,840	7.28	
All livestock farms.....	2,358	58.9	58.0	39.2	49.0	383	1,494,075	10.02	2.61	754	4.8	56.1	51.9	52.7	1,980	137,846	5.57	
General crop and livestock farms.....	355	65.5	8.7	12.2	12.1	485	42,055	12.06	2.48	148	7.0	11.0	8.1	8.3	1,573	26,491	6.80	
All other farms.....	39	38.4	1.0	1.5	1.1	655	57,125	17.30	2.64	3	2.5	0.2	0.5	0.5	1,667	2,370	10.97	
Florida, total.....	28,429	53.9	100.0	100.0	100.0	938	49,548,535	23.09	2.46	6,095	10.8	100.0	100.0	100.0	1,598	2,717,065	6.32	
All crop farms.....	20,574	61.3	72.4	81.7	60.8	1,260	41,141,102	31.51	2.50	4,312	12.7	70.7	67.4	63.0	1,710	1,945,002	7.19	
All livestock farms.....	4,367	43.9	15.4	11.4	28.3	377	5,281,488	8.70	2.31	1,197	9.5	19.6	26.6	30.5	1,391	618,942	4.72	
General crop and livestock farms.....	2,155	53.1	7.6	4.1	8.3	466	1,743,598	9.76	2.10	350	4.4	5.7	3.1	3.4	1,438	76,435	5.21	
All other farms.....	1,333	42.0	4.7	2.8	2.6	1,010	1,383,347	24.94	2.47	236	10.1	3.9	3.0	3.1	1,546	76,686	5.75	
Area 1.....	2,238	75.1	100.0	100.0	100.0	470	1,555,010	9.20	1.96	402	4.9	100.0	100.0	100.0	1,686	69,034	6.30	
All crop farms.....	938	83.3	41.9	42.1	40.9	484	678,017	9.82	2.03	113	3.7	28.1	25.5	28.1	1,531	19,263	6.25	
All livestock farms.....	765	64.8	34.2	31.6	33.3	453	492,035	8.73	1.96	163	6.4	40.5	53.4	50.5	1,783	34,986	6.33	
General crop and livestock farms.....	440	31.6	19.7	23.9	23.5	479	348,667	8.79	1.83	110	4.2	27.4	17.9	18.7	1,622	12,627	6.17	
All other farms.....	95	59.8	4.2	2.3	2.3	467	36,291	9.20	1.97	16	4.6	4.0	3.1	2.8	1,901	2,158	7.10	
Areas 2 and A.....	1,342	39.3	100.0	100.0	100.0	945	2,099,462	21.71	2.30	316	9.6	100.0	100.0	100.0	1,754	144,554	6.11	
All crop farms.....	651	55.6	48.5	65.9	40.3	1,546	1,442,382	37.05	2.40	101	7.6	32.0	19.6	22.5	1,531	40,335	5.58	
All livestock farms.....	456	34.3	34.0	26.1	49.0	503	489,963	10.34	2.05	168	11.4	53.2	70.3	66.7	1,851	89,052	5.65	
General crop and livestock farms.....	101	27.2	7.5	4.6	6.2	703	100,363	16.94	2.41	17	3.7	5.4	3.0	3.4	1,506	3,897	6.79	
All other farms.....	134	28.4	10.0	3.4	4.6	706	66,254	14.94	2.12	30	11.2	9.5	7.1	7.4	1,676	11,270	4.45	
Area 3.....	8,534	43.4	100.0	100.0	100.0	454	5,655,994	10.87	2.39	688	2.6	100.0	100.0	100.0	1,341	133,261	4.35	
All crop farms.....	5,875	41.2	68.8	59.9	55.7	489	3,658,184	12.63	2.58	320	1.7	46.5	38.7	39.0	1,332	54,235	4.54	
All livestock farms.....	1,135	42.6	13.3	18.2	20.4	405	911,271	8.57	2.12	203	5.3	29.5	43.5	42.9	1,359	54,759	4.17	
General crop and livestock farms.....	1,429	53.3	16.7	19.2	21.7	403	948,550	8.42	2.09	156	2.4	22.7	15.9	16.8	1,271	21,237	4.14	
All other farms.....	95	32.2																

USE OF FERTILIZER AND LIME

Table 6.—USE AND EXPENDITURES FOR FERTILIZER AND LIME OF COMMERCIAL FARMS BY TYPE OF FARM, BY ECONOMIC

AREAS: CENSUS OF 1954—Continued

State, economic area, and type of farm	Fertilizer									Lime							
	Farms reporting use of fertilizer	Acres fertilized as a percent of total cropland plus improved pasture	Percent distribution of—			Quantity used per acre fertilized (lb.)	Expenditures (dollars)			Farms reporting use of lime	Acres limed as a percent of total cropland plus improved pasture	Percent distribution of—		Quantity used per acre limed (lb.)	Expenditures (dollars)		
			Farms reporting fertilizer	Fertilizer used	Acres fertilized		For fertilizer	Per acre fertilized	Per cwt. of fertilizer used			Farms reporting lime	Lime used		Acres limed	For lime	Per acre limed
Idaho, total.....	16,361	16.9	100.0	100.0	100.0	234	8,315,520	8.86	3.79	...	...	...	...	...	...	...
All crop farms.....	7,891	17.8	48.2	61.1	61.6	232	5,194,068	8.99	3.87	...	...	...	...	...	...	...
All livestock farms.....	4,104	11.0	25.1	16.0	16.8	223	1,225,131	7.77	3.49	...	...	...	...	...	...	...
General crop and livestock farms.....	4,287	23.6	26.2	22.6	21.4	247	1,878,572	9.35	3.78	...	...	...	...	...	...	...
All other farms.....	79	10.4	0.5	0.2	0.2	236	17,749	8.69	3.68	...	...	...	...	...	...	...
Area 1.....	1,322	10.4	100.0	100.0	100.0	145	479,180	5.07	3.50	...	...	...	...	...	...	...
All crop farms.....	558	15.3	42.2	55.9	65.1	125	284,958	4.64	3.72	...	...	...	...	...	...	...
All livestock farms.....	505	5.1	38.2	28.3	21.1	195	121,696	6.11	3.13	...	...	...	...	...	...	...
General crop and livestock farms.....	237	11.1	17.9	15.2	13.1	168	70,192	5.66	3.36	...	...	...	...	...	...	...
All other farms.....	22	7.1	1.7	0.6	0.7	118	2,334	3.64	3.07	...	...	...	...	...	...	...
Area 2.....	1,567	25.2	100.0	100.0	100.0	116	958,514	5.15	4.43	...	...	...	...	...	...	...
All crop farms.....	1,187	25.7	75.7	88.9	89.1	116	859,137	5.18	4.47	...	...	...	...	...	...	...
All livestock farms.....	257	20.2	16.4	6.9	6.9	117	64,391	5.04	4.32	...	...	...	...	...	...	...
General crop and livestock farms.....	96	30.2	6.1	3.7	3.5	124	31,696	4.86	3.91	...	...	...	...	...	...	...
All other farms.....	27	11.5	1.7	0.5	0.5	109	3,290	3.46	3.16	...	...	...	...	...	...	...
Area 3a.....	3,962	21.5	100.0	100.0	100.0	436	2,113,369	15.09	3.46	...	...	...	...	...	...	...
All crop farms.....	1,229	35.0	31.0	53.2	40.0	580	1,168,808	20.84	3.59	...	...	...	...	...	...	...
All livestock farms.....	1,646	13.0	41.5	23.3	31.2	325	430,254	9.84	3.03	...	...	...	...	...	...	...
General crop and livestock farms.....	1,067	26.0	26.9	23.0	28.4	352	502,482	12.61	3.58	...	...	...	...	...	...	...
All other farms.....	20	23.1	0.5	0.5	0.3	665	11,825	26.57	3.99	...	...	...	...	...	...	...
Area 3b.....	4,685	28.6	100.0	100.0	100.0	255	2,370,902	9.30	3.65	...	...	...	...	...	...	...
All crop farms.....	2,183	31.3	46.6	55.5	51.7	274	1,280,705	9.72	3.55	...	...	...	...	...	...	...
All livestock farms.....	894	18.2	19.1	14.8	17.4	217	367,066	8.29	3.82	...	...	...	...	...	...	...
General crop and livestock farms.....	1,598	34.8	34.1	29.7	30.9	245	722,831	9.17	3.74	...	...	...	...	...	...	...
All other farms.....	10	11.1	0.2	(2)	(2)	1,200	300	60.00	5.00	...	...	...	...	...	...	...
Area 4.....	4,825	11.1	100.0	100.0	100.0	220	2,393,555	9.11	4.13	...	...	...	...	...	...	...
All crop farms.....	2,734	10.0	56.7	66.6	61.8	238	1,600,460	9.86	4.15	...	...	...	...	...	...	...
All livestock farms.....	802	9.2	16.6	10.3	14.1	161	241,724	6.54	4.07	...	...	...	...	...	...	...
General crop and livestock farms.....	1,289	18.8	26.7	23.1	24.1	211	551,371	8.70	4.12	...	...	...	...	...	...	...
All other farms.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Illinois, total.....	104,142	33.1	100.0	100.0	100.0	265	57,092,991	7.34	2.77	40,614	4.7	100.0	100.0	100.0	4,469	8,447,557	7.70
All crop farms.....	52,225	33.6	50.1	56.5	56.6	265	32,567,001	7.39	2.79	19,616	4.4	48.3	52.0	52.1	4,456	4,492,108	7.85
All livestock farms.....	39,677	32.2	38.1	34.4	33.9	269	19,438,721	7.36	2.74	16,244	5.2	40.0	38.7	38.9	4,442	3,198,775	7.50
General crop and livestock farms.....	11,635	33.6	11.2	8.8	9.4	248	4,863,384	6.67	2.69	4,657	4.5	11.5	9.2	8.9	4,596	746,409	7.61
All other farms.....	605	41.2	0.6	0.3	0.1	719	223,885	24.96	3.47	97	5.3	0.2	0.1	0.1	4,941	10,265	8.88
Areas 1, A, and B.....	12,433	37.4	100.0	100.0	100.0	238	6,240,141	6.70	2.82	3,787	4.3	100.0	100.0	100.0	5,131	740,614	6.99
All crop farms.....	2,950	43.5	23.7	30.4	31.1	232	2,021,788	6.96	3.00	747	3.8	19.7	23.5	23.8	5,067	178,143	7.06
All livestock farms.....	7,956	35.6	64.0	60.2	58.7	244	3,643,138	6.66	2.73	2,525	4.3	66.7	62.3	62.3	5,137	462,781	7.01
General crop and livestock farms.....	1,502	32.8	12.1	9.3	10.1	219	568,660	6.06	2.77	515	5.2	13.6	14.2	13.9	5,212	99,690	6.74
All other farms.....	25	56.6	0.2	0.1	0.1	235	6,555	7.13	3.03	...	...	...	...	...	...	...
Areas 2 and C.....	8,401	44.4	100.0	100.0	100.0	265	4,559,892	7.56	2.86	2,393	4.3	100.0	100.0	100.0	3,577	308,368	5.33
All crop farms.....	2,826	46.4	33.6	40.2	36.9	288	1,822,381	8.18	2.84	671	3.5	28.0	35.2	28.9	4,357	103,231	6.19
All livestock farms.....	4,564	43.7	54.3	50.2	54.5	243	2,248,435	6.83	2.81	1,505	4.9	62.9	54.9	63.3	3,101	176,167	6.82
General crop and livestock farms.....	608	41.2	7.2	7.2	8.0	238	351,451	7.31	3.08	166	3.7	6.9	9.7	7.6	4,602	27,615	6.32
All other farms.....	403	36.5	4.8	2.4	0.6	1,130	137,585	39.79	3.52	51	1.8	2.1	0.3	0.3	3,228	1,355	7.92
Area 3.....	9,798	19.7	100.0	100.0	100.0	310	4,986,547	8.33	2.69	5,129	4.9	100.0	100.0	100.0	4,539	1,192,571	8.01
All crop farms.....	3,122	19.2	31.9	32.8	34.4	295	1,677,336	8.14	2.76	1,413	3.9	27.5	27.7	28.2	4,458	312,315	7.44
All livestock farms.....	5,966	20.3	60.9	61.3	60.0	317	3,022,661	8.42	2.66	3,346	5.6	65.2	67.5	66.9	4,581	819,931	8.23
General crop and livestock farms.....	695	17.6	7.1	5.8	5.5	326	284,195	8.56	2.62	365	3.9	7.1	4.8	4.9	4,437	60,260	8.25
All other farms.....	15	16.9	0.2	(2)	(2)	486	2,355	33.64	6.93	5	2.4	0.1	(2)	(2)	1,000	65	6.50
Area 4.....	10,891	33.0	100.0	100.0	100.0	257	5,870,654	7.79	3.04	4,602	4.8	100.0	100.0	100.0	4,515	903,268	8.22
All crop farms.....	4,034	31.6	37.0	39.8	40.3	253	2,325,010	7.66	3.02	1,528	4.4	33.2	38.9	38.5	4,561	375,261	8.88
All livestock farms.....	5,604	33.4	51.5	50.5	49.4	262	2,995,806	8.04	3.07	2,547	5.2	55.3	52.7	52.8	4,507	454,332	7.83
General crop and livestock farms.....	1,238	38.3	11.4	9.7	10.2	243	546,493	7.09	2.91	522	4.7	11.3	8.4	8.7	4,360	73,605	7.70
All other farms.....	15	14.9	0.1	(2)	(2)	265	3,345	10.79	4.08	5	0.7	0.1	(2)	(2)	2,667	70	4.67
Area 5.....	5,139	33.2	100.0	100.0	100.0	328	3,949,815	9.15	2.79	1,825	4.8	100.0	100.0	100.0	4,133	388,662	6.19
All crop farms.....	3,581	33.3	69.7	69.4	72.0	316	2,738,390	8.81	2.79	1,243	4.4	68.1	63.5	65.7	3,999	250,125	6.07
All livestock farms.....	1,168	32.0	22.7	23.2	21.3	359	910,675	9.93	2.77	442	6.0	24.2	29.5	27.6	4,423	113,532	6.56
General crop and livestock farms.....	345	35.6	6.7	6.7	6.3	348	276,100	10.14	2.91	130	5.1	7.1	6.3	6.2	4,182	22,840	5.84
All other farms.....	45	89.9	0.9	0.7	0.4	545	24,650	13.47	2.47	10	16.0	0.5	0.6	0.5	5,077	2,165	6.66
Areas 6a, D, and E.....	10,648	29.4	100.0	100.0	100.0	292	6,728,028	8.18	2.80	4,855	5.1	100.0	100.0	100.0	4,296	1,175,505	8.16
All crop farms.....	7,226	28.5	67.9	71.3	71.1	293	4,752,604	8.13	2.77	3,300	4.9	68.0	70.9	70.0	4,353	835,741	8.29
All livestock farms.....	2,590	31.1	24.3	21.8	22.2	287	1,514,389	8.29	2.89	1,215	5.6	25.0	23.5	23.0	4,381	279,584	8.44
General crop and livestock farms.....	816	34.1	7.7	6.6	6.7	292	440,160	8.04	2.76	335	6.2	6.9	5.5	6.9	3,446	58,180	5.88
All other farms.....	16	53.4	0.2	0.2	0.1	853	20,875	32.02	3.75	5	20.5	0.1	0.2	0.2	4,000	2,000	8.00
Area 6b.....	16,829	31.5	100.0	100.0	100.0	317	12,630,442	8.50	2.69	6,991	5.0	100.0	100.0	100.0	4,076	1,672,757	7.08
All crop farms.....	13,365	31.8	79.4	80.6	83.1	307	10,359,145	8.39	2.74	5,476	4.8	78.3	79.0	79.2	4,066	1,330,497	7.11
All livestock farms.....	2,508	31.4	14.9	14.9	13.0	362	1,743,652	9.03	2.50	1,115	6.3	15.9	16.6	16.4	4,131	272,635	7.05
General crop and livestock farms.....																	

USE OF FERTILIZER AND LIME

Table 6.—USE AND EXPENDITURES FOR FERTILIZER AND LIME OF COMMERCIAL FARMS BY TYPE OF FARM, BY ECONOMIC

AREAS: CENSUS OF 1954—Continued

State, economic area, and type of farm	Fertilizer									Lime								
	Farms reporting use of fertilizer	Acres fertilized as a percent of total cropland plus improved pasture	Percent distribution of—			Quantity used per acre fertilized (lb.)	Expenditures (dollars)			Farms reporting use of lime	Acres as a percent of total cropland plus improved pasture	Percent distribution of—			Quantity used per acre limed (lb.)	Expenditures (dollars)		
			Farms reporting fertilizer	Fertilizer used	Acres fertilized		For fertilizer	Per acre fertilized	Per cwt. of fertilizer used			Farms reporting lime	Lime used	Acres limed		For lime	Per acre limed	
Illinois—Continued																		
Areas 7 and F.....	10,402	37.4	100.0	100.0	100.0	207	4,084,862	5.70	2.75	4,270	4.0	100.0	100.0	100.0	5,066	685,077	8.89	
All crop farms.....	4,503	38.3	43.3	48.0	50.4	197	2,026,542	5.61	2.84	1,824	3.9	42.7	48.5	47.8	5,143	335,159	9.09	
All livestock farms.....	3,513	36.6	33.8	30.7	29.1	218	1,220,780	5.84	2.68	1,425	4.3	33.4	31.4	31.6	5,036	213,978	8.79	
General crop and livestock farms.....	2,371	36.2	22.8	21.2	20.5	215	836,560	5.70	2.65	1,021	3.9	23.9	20.1	20.6	4,932	135,940	8.55	
All other farms.....	15	62.5	0.1	(Z)	(Z)	960	980	39.20	4.08	...	...	...	...	...	...	...	...
Area 8.....	7,544	43.3	100.0	100.0	100.0	197	2,869,278	5.15	2.61	2,679	4.4	100.0	100.0	100.0	5,243	588,598	10.28	
All crop farms.....	4,159	44.8	55.1	59.4	61.4	191	1,752,296	5.12	2.68	1,355	4.0	50.6	55.2	52.9	5,466	324,728	10.72	
All livestock farms.....	1,860	42.2	24.7	21.5	21.1	202	613,072	5.22	2.59	689	5.3	25.7	24.7	25.6	5,067	144,375	9.86	
General crop and livestock farms.....	1,505	39.8	19.9	19.0	17.5	215	501,125	5.15	2.39	625	5.0	23.3	20.0	21.4	4,890	118,660	9.67	
All other farms.....	20	45.6	0.3	0.1	0.1	247	2,785	8.19	3.32	10	7.4	0.4	0.1	0.1	8,000	835	15.18	
Area 9.....	5,241	45.9	100.0	100.0	100.0	208	2,820,599	5.83	2.80	1,639	3.7	100.0	100.0	100.0	4,574	345,588	8.77	
All crop farms.....	3,065	46.2	58.5	62.5	66.1	197	1,782,345	5.58	2.83	892	3.3	54.4	64.0	58.6	5,003	225,348	9.76	
All livestock farms.....	1,556	45.5	29.7	27.9	24.8	234	767,374	6.39	2.73	572	5.2	34.9	29.0	34.7	3,819	98,730	7.21	
General crop and livestock farms.....	620	44.7	11.8	9.6	9.1	220	270,880	6.16	2.80	175	2.7	10.7	7.0	6.7	4,741	21,510	8.13	
All other farms.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Area 10.....	4,062	39.1	100.0	100.0	100.0	211	1,413,669	5.54	2.62	1,413	4.4	100.0	100.0	100.0	5,222	275,570	9.55	
All crop farms.....	2,245	41.1	55.3	59.2	62.9	199	857,220	5.34	2.69	779	4.3	55.1	56.3	58.0	5,071	155,370	10.29	
All livestock farms.....	1,220	36.5	30.0	29.8	24.2	260	404,294	6.55	2.51	427	4.9	30.2	29.3	28.5	5,363	83,060	9.09	
General crop and livestock farms.....	581	35.8	14.3	10.7	12.7	178	147,970	4.58	2.57	206	4.0	14.6	13.2	12.5	5,541	33,630	9.35	
All other farms.....	16	19.9	0.4	0.3	0.2	292	4,185	9.00	3.08	1	13.9	0.1	1.2	1.0	6,000	3,510	11.70	
Area 11.....	2,754	22.7	100.0	100.0	100.0	263	939,104	6.57	2.50	1,031	4.7	100.0	100.0	100.0	3,883	170,979	5.82	
All crop farms.....	1,149	23.9	41.7	45.5	47.0	255	451,944	6.73	2.64	388	3.4	37.6	42.2	32.6	5,029	66,190	6.92	
All livestock farms.....	1,172	22.0	42.6	41.2	40.1	271	354,445	6.19	2.29	436	6.3	42.3	43.5	55.5	3,047	79,670	4.89	
General crop and livestock farms.....	418	20.4	15.2	12.9	12.6	270	125,795	7.00	2.60	202	4.0	19.6	14.1	11.9	4,614	24,894	7.14	
All other farms.....	15	60.5	0.5	0.4	0.4	275	6,920	12.36	4.49	5	2.7	0.5	0.2	0.1	8,000	225	9.00	
Indiana, total.....	101,323	58.4	100.0	100.0	100.0	258	58,263,631	7.46	2.89	37,718	6.3	100.0	100.0	100.0	3,976	4,989,821	5.92	
All crop farms.....	38,749	59.1	38.2	41.8	42.8	252	24,796,058	7.43	2.94	12,275	5.3	32.5	34.8	35.5	3,890	1,760,533	5.88	
All livestock farms.....	45,020	58.0	44.4	43.5	42.1	267	25,177,222	7.66	2.87	18,667	7.4	49.5	49.8	49.8	3,972	2,481,998	5.91	
General crop and livestock farms.....	17,214	57.4	17.0	14.5	15.1	248	8,196,521	6.97	2.81	6,741	6.0	17.9	15.4	14.6	4,203	744,485	6.06	
All other farms.....	340	58.5	0.3	0.2	0.1	535	93,830	16.11	3.01	35	5.6	0.1	(Z)	0.1	2,893	2,805	5.01	
Areas 1, A, and B.....	6,421	63.5	100.0	100.0	100.0	277	4,919,713	8.51	3.07	2,207	5.9	100.0	100.0	100.0	4,403	419,028	7.79	
All crop farms.....	3,114	67.4	48.5	58.9	57.3	285	2,934,673	8.86	3.10	911	5.1	41.3	46.0	46.6	4,347	187,945	7.50	
All livestock farms.....	2,406	58.1	37.5	29.3	30.0	271	1,401,097	8.08	2.98	930	6.6	42.1	37.0	36.9	4,418	155,257	7.83	
General crop and livestock farms.....	851	60.9	13.3	11.6	12.7	253	571,868	7.80	3.08	366	7.4	16.6	16.9	16.5	4,530	75,826	8.57	
All other farms.....	50	39.8	0.8	0.2	0.1	810	12,075	30.96	3.82	...	...	...	...	...	...	...	...
Area 2a.....	9,149	68.9	100.0	100.0	100.0	277	7,998,667	8.61	3.11	2,967	5.5	100.0	100.0	100.0	4,394	456,427	6.11	
All crop farms.....	4,481	72.9	49.0	59.6	58.0	285	4,711,246	8.74	3.07	1,439	5.4	48.5	54.3	53.4	4,465	230,659	5.78	
All livestock farms.....	3,147	63.2	34.4	26.2	27.5	264	2,165,676	8.48	3.21	1,032	5.8	34.8	31.2	31.3	4,373	153,813	6.58	
General crop and livestock farms.....	1,511	65.7	16.5	14.1	14.4	270	1,114,895	8.31	3.08	491	5.5	16.5	14.4	15.1	4,188	71,430	6.32	
All other farms.....	10	101.1	0.1	0.1	(Z)	593	6,950	15.27	2.57	5	22.2	0.2	0.1	0.1	4,000	525	5.25	
Area 2b.....	15,212	61.1	100.0	100.0	100.0	245	10,924,689	7.26	2.96	5,619	6.5	100.0	100.0	100.0	3,640	943,803	5.85	
All crop farms.....	6,790	59.7	44.6	46.7	48.2	237	5,115,991	7.05	2.97	2,371	5.9	42.2	44.9	44.4	3,686	417,528	5.83	
All livestock farms.....	6,510	62.7	42.8	43.8	42.0	256	4,820,273	7.64	2.99	2,586	7.5	46.0	46.5	46.7	3,628	449,800	5.97	
General crop and livestock farms.....	1,862	61.1	12.2	9.4	9.8	235	976,780	6.65	2.83	657	6.0	11.7	8.5	8.9	3,476	76,325	5.31	
All other farms.....	50	82.7	0.3	0.1	(Z)	573	11,645	16.76	2.93	5	4.8	0.1	(Z)	(Z)	2,000	150	3.75	
Areas 3 and C.....	15,182	55.6	100.0	100.0	100.0	240	6,839,570	6.87	2.87	4,171	4.8	100.0	100.0	100.0	3,190	434,185	5.05	
All crop farms.....	6,130	55.3	40.4	41.9	41.8	240	2,843,055	6.83	2.85	1,475	4.3	35.4	38.0	37.3	3,256	158,745	4.96	
All livestock farms.....	5,306	55.0	34.9	34.3	33.0	249	2,386,625	7.28	2.92	1,695	6.3	40.6	42.5	43.5	3,114	187,335	5.01	
General crop and livestock farms.....	3,716	56.8	24.5	23.7	25.2	226	1,603,785	6.40	2.83	1,001	3.7	24.0	19.5	19.2	3,234	88,105	5.34	
All other farms.....	30	64.1	0.2	0.1	(Z)	555	6,105	16.28	2.94	...	...	...	...	...	...	...	...
Area 4.....	10,950	62.4	100.0	100.0	100.0	245	6,020,978	6.86	2.80	2,373	4.1	100.0	100.0	100.0	3,850	320,346	5.50	
All crop farms.....	3,750	61.8	34.2	29.0	32.1	221	1,718,080	6.09	2.76	580	2.9	24.4	23.3	22.6	3,975	72,590	5.52	
All livestock farms.....	5,684	62.4	51.9	57.5	53.6	262	3,487,118	7.41	2.83	1,452	4.9	61.2	64.1	63.8	3,867	211,522	5.69	
General crop and livestock farms.....	1,491	63.6	13.6	13.3	14.1	231	801,080	6.46	2.80	341	4.1	14.4	12.6	13.6	3,564	36,234	4.57	
All other farms.....	25	78.1	0.2	0.2	0.2	307	14,700	9.80	3.20	...	...	...	...	...	...	...	...
Areas 5 and D.....	14,260	60.9	100.0	100.0	100.0	248	8,092,565	6.84	2.75	5,314	6.8	100.0	100.0	100.0	3,663	689,357	5.20	
All crop farms.....	4,432	61.1	31.1	29.9	31.3	237	2,458,032	6.64	2.80	1,281	5.1	24.1	23.8	23.4	3,727	164,655	5.30	
All livestock farms.....	7,842	61.1	55.0	57.6	55.9	256	4,663,305	7.05	2.75	3,357	8.2	63.2	65.9	66.6	3,626	450,552	5.10	
General crop and livestock farms.....	1,891	60.0	13.3	12.2	12.8	236	947,578	6.25	2.65	671	5.3	12.6	10.3	10.0	3,761	74,130	5.58	
All other farms.....	95	44.0	0.7	0.3	0.1	1,137	23,650	33.79	2.97	5	0.3	0.1	(Z)	(Z)	2,000	20	4.00	
Areas 6 and E.....	13,211	50.4	100.0	100.0	100.0	260	7,468,371	7.70	2.96	6,832	7.2	100.0	100.0	100.0	4,100	944,925	6.80	
All crop farms.....	6,269	49.2	47.5	51.9	54.8	246	3,939,281	7.42	3.01	2,899	5.9	42.4	43.0	46.1	3,828	393,381		

Table 6.—USE AND EXPENDITURES FOR FERTILIZER AND LIME OF COMMERCIAL FARMS BY TYPE OF FARM, BY ECONOMIC AREAS: CENSUS OF 1954—Continued

State, economic area, and type of farm	Fertilizer								Lime								
	Farms reporting use of fertilizer	Acres fertilized as a percent of total cropland plus improved pasture	Percent distribution of—			Quantity used per acre fertilized (lb.)	Expenditures (dollars)			Farms reporting use of lime	Acres limed as a percent of total cropland plus improved pasture	Percent distribution of—			Quantity used per acre limed (lb.)	Expenditures (dollars)	
			Farms reporting fertilizer	Fertilizer used	Acres fertilized		For fertilizer	Per acre fertilized	Per cent. of fertilizer used			Farms reporting lime	Lime used	Acres limed		For lime	Per acre limed
Indiana—Continued																	
Areas 8 and F.....	9,555	47.8	100.0	100.0	100.0	302	3,172,443	7.86	2.60	4,491	8.7	100.0	100.0	100.0	4,770	431,848	5.88
All crop farms.....	2,512	45.9	26.3	22.6	22.0	310	706,815	7.96	2.56	845	6.7	18.8	17.2	17.7	4,643	87,250	6.73
All livestock farms.....	4,296	48.7	45.0	48.4	48.4	302	1,548,798	7.92	2.62	2,169	9.1	48.3	48.9	49.7	4,690	211,591	5.80
General crop and livestock farms.....	2,737	48.1	28.6	29.0	29.5	297	915,540	7.70	2.59	1,472	9.6	32.8	33.8	32.4	4,978	132,207	5.56
All other farms.....	10	27.6	0.1	(Z)	0.1	145	1,290	4.69	3.22	5	17.6	0.1	0.1	0.2	2,400	800	4.57
Iowa, total.....	111,004	26.7	100.0	100.0	100.0	175	46,771,168	6.67	3.82	30,422	2.7	100.0	100.0	100.0	4,230	4,535,046	6.29
All crop farms.....	24,433	26.6	22.0	25.3	25.5	173	11,990,011	6.71	3.87	4,350	1.7	14.3	15.2	15.6	4,135	707,025	6.30
All livestock farms.....	73,120	26.8	65.9	64.2	63.4	177	30,075,336	6.76	3.83	22,999	3.3	75.6	75.2	75.2	4,237	3,373,319	6.22
General crop and livestock farms.....	13,342	26.4	12.0	10.4	11.1	164	4,674,912	6.01	3.67	3,046	2.2	10.0	9.4	9.1	4,333	450,960	6.84
All other farms.....	109	16.7	0.1	0.1	(Z)	703	30,909	26.76	3.81	27	5.6	0.1	0.1	0.1	4,639	3,742	9.72
Area 1a.....	11,561	26.6	100.0	100.0	100.0	181	5,694,786	7.38	4.07	1,118	1.1	100.0	100.0	100.0	3,067	207,333	6.68
All crop farms.....	2,183	22.7	18.9	18.5	19.2	175	1,031,020	6.97	3.99	131	0.7	11.7	14.1	14.4	3,011	35,395	7.94
All livestock farms.....	8,103	28.8	70.1	73.5	71.7	186	4,201,481	7.60	4.09	897	1.3	80.2	79.2	79.6	3,050	158,568	6.41
General crop and livestock farms.....	1,270	21.4	11.0	7.9	9.2	157	459,285	6.50	4.14	90	0.6	8.1	6.7	6.0	3,435	13,370	7.19
All other farms.....	5	25.6	(Z)	0.1	(Z)	2,000	3,000	60.00	3.00	...	...	...	...	...	...	...	...
Areas 1b, A, and B.....	14,696	26.8	100.0	100.0	100.0	159	7,499,271	7.59	4.78	1,581	1.1	100.0	100.0	100.0	3,462	262,927	6.56
All crop farms.....	3,151	30.6	21.4	27.5	28.1	155	2,076,998	7.47	4.81	130	0.4	8.2	8.1	8.7	3,233	21,135	6.05
All livestock farms.....	10,274	25.8	69.9	65.7	64.9	161	4,930,879	7.70	4.79	1,365	1.4	86.3	86.6	84.9	3,533	228,250	6.72
General crop and livestock farms.....	1,243	24.0	8.5	6.6	7.0	151	477,285	6.96	4.61	85	0.9	5.4	5.2	6.3	2,815	13,300	5.24
All other farms.....	28	10.5	0.2	0.2	(Z)	544	13,529	30.40	5.59	1	0.7	0.1	0.1	0.1	4,200	242	8.07
Area 2a.....	8,604	34.6	100.0	100.0	100.0	176	4,268,180	5.85	3.33	312	0.5	100.0	100.0	100.0	2,496	56,442	5.61
All crop farms.....	3,319	32.9	38.6	38.8	40.1	170	1,684,790	5.76	3.38	101	0.3	32.4	26.6	25.6	2,593	14,750	5.72
All livestock farms.....	3,934	36.3	44.6	46.3	44.0	185	1,983,180	6.17	3.34	136	0.5	43.6	42.5	46.9	2,263	26,267	5.57
General crop and livestock farms.....	1,451	34.7	16.9	14.9	15.9	165	600,210	5.17	3.14	75	0.8	24.0	30.9	27.5	2,803	15,425	5.58
All other farms.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Areas 2b and C.....	15,638	29.8	100.0	100.0	100.0	175	7,722,952	6.65	3.80	1,372	0.9	100.0	100.0	100.0	3,318	196,155	5.90
All crop farms.....	6,301	26.8	40.3	39.9	40.9	171	3,120,585	6.57	3.85	415	0.6	30.2	29.3	30.6	3,177	54,310	5.33
All livestock farms.....	7,385	33.3	47.2	50.0	48.6	180	3,834,961	6.79	3.78	777	1.1	56.6	56.5	57.6	3,252	115,830	6.05
General crop and livestock farms.....	1,937	28.1	12.4	10.1	10.5	168	766,361	6.27	3.74	175	0.9	12.8	14.0	11.7	3,982	25,715	6.63
All other farms.....	15	13.0	0.2	(Z)	(Z)	733	1,045	34.83	4.75	5	13.0	0.4	0.2	0.1	7,333	300	10.00
Area 3a.....	5,615	14.1	100.0	100.0	100.0	184	1,795,784	7.71	4.19	3,032	4.1	100.0	100.0	100.0	3,541	390,114	5.72
All crop farms.....	717	11.8	12.8	14.8	14.9	183	273,270	7.89	4.30	351	3.0	11.6	12.2	12.9	3,348	48,180	5.50
All livestock farms.....	4,378	15.2	78.0	77.8	77.8	184	1,397,079	7.71	4.19	2,356	4.4	77.7	78.4	77.9	3,533	301,134	5.67
General crop and livestock farms.....	515	10.2	9.2	7.4	7.3	184	125,380	7.33	3.98	325	3.7	10.7	9.4	9.2	3,617	40,800	6.49
All other farms.....	5	6.2	0.1	(Z)	(Z)	400	55	11.00	2.75	...	...	...	...	...	...	...	...
Area 3b.....	6,895	16.7	100.0	100.0	100.0	200	2,183,919	7.20	3.60	4,253	5.7	100.0	100.0	100.0	3,920	617,499	5.95
All crop farms.....	1,011	14.4	14.7	16.2	16.6	196	355,813	7.07	3.61	639	4.1	15.0	14.5	13.9	4,084	85,185	5.91
All livestock farms.....	5,071	17.8	73.5	72.6	72.5	200	1,579,241	7.18	3.58	3,163	6.5	74.4	75.4	77.0	3,839	443,559	5.55
General crop and livestock farms.....	813	14.4	11.8	11.2	10.9	206	248,865	7.53	3.65	451	4.1	10.6	10.1	9.1	4,355	88,755	9.42
All other farms.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Area 4.....	24,468	36.2	100.0	100.0	100.0	158	8,294,711	5.60	3.53	5,878	3.0	100.0	100.0	100.0	4,986	794,671	6.37
All crop farms.....	4,143	37.7	16.9	19.8	18.8	166	1,697,100	6.08	3.65	731	2.5	12.4	13.8	14.9	4,631	112,353	6.06
All livestock farms.....	15,962	35.4	65.2	62.9	63.3	157	5,159,716	5.50	3.49	4,226	3.3	71.9	70.5	69.3	5,069	555,348	6.42
General crop and livestock farms.....	4,357	37.7	17.8	17.3	17.9	153	1,434,145	5.41	3.53	915	2.8	15.6	15.6	15.7	4,950	126,175	6.42
All other farms.....	6	46.9	(Z)	(Z)	(Z)	282	3,750	12.30	4.36	6	17.7	0.1	0.1	0.1	5,565	795	6.91
Area 5.....	10,178	17.9	100.0	100.0	100.0	191	4,193,664	7.43	3.89	6,423	5.0	100.0	100.0	100.0	4,274	1,022,052	6.48
All crop farms.....	1,683	16.7	16.5	18.6	18.7	190	796,910	7.54	3.97	998	4.4	15.5	18.4	17.6	4,456	189,250	6.82
All livestock farms.....	7,660	18.6	75.3	74.9	74.5	192	3,143,819	7.47	3.90	4,850	5.2	75.5	73.9	74.6	4,234	752,537	6.40
General crop and livestock farms.....	825	14.6	8.1	6.4	6.7	183	252,310	6.64	3.63	575	4.7	9.0	7.7	7.8	4,249	80,265	6.54
All other farms.....	10	20.0	0.1	(Z)	(Z)	1,333	625	41.67	3.13	...	...	...	...	...	...	...	...
Areas 6 and D.....	13,349	26.4	100.0	100.0	100.0	192	5,117,901	6.59	3.43	6,453	5.2	100.0	100.0	100.0	4,842	987,853	6.50
All crop farms.....	1,925	26.0	14.4	18.1	15.8	220	953,525	7.77	3.54	854	4.7	13.2	13.0	14.5	4,656	146,467	6.67
All livestock farms.....	10,453	26.7	78.3	75.8	78.2	186	3,844,980	6.34	3.40	5,229	5.4	81.0	81.1	80.6	4,872	791,826	6.47
General crop and livestock farms.....	931	23.9	7.0	5.9	6.0	188	310,491	6.66	3.54	355	3.7	5.5	4.9	4.8	4,928	47,155	6.50
All other farms.....	40	21.0	0.3	0.2	(Z)	1,115	8,905	29.20	2.62	15	14.5	0.2	0.1	0.1	3,810	2,405	11.45
Kansas, total.....	45,883	12.8	100.0	100.0	100.0	117	18,280,568	4.81	4.13	7,127	0.6	100.0	100.0	100.0	3,975	1,055,560	5.89
All crop farms.....	21,803	10.7	47.5	51.3	56.0	107	9,540,225	4.48	4.20	2,681	0.4	37.6	41.3	40.5	4,061	439,030	6.06
All livestock farms.....	16,847	16.4	36.7	35.4	31.3	132	6,339,028	5.33	4.05	3,207	1.1	45.0	44.3	44.9	3,923	454,329	5.64
General crop and livestock farms.....	7,132	19.0	15.5	13.1	12.6	121	2,369,180	4.95	4.08	1,223	1.3	17.2	14.3	14.6	3,898	161,651	6.19
All other farms.....	101	43.4	0.2	0.2	(Z)	601	32,135	18.21	3.03	16	2.2	0.2	(Z)	(Z)	3,933	550	6.18
Area 1.....	594	1.0	100.0	100.0	100.0	79	251,124	4.24	5.34	10	(Z)	100.0	100.0	100.0	5,333	2,600	8.67
All crop farms.....	335	0.8	56.4	53.3	58.4	73	146,843	4.25	5.8c	...							

USE OF FERTILIZER AND LIME

Table 6.—USE AND EXPENDITURES FOR FERTILIZER AND LIME OF COMMERCIAL FARMS BY TYPE OF FARM, BY ECONOMIC AREAS: CENSUS OF 1954—Continued

State, economic area, and type of farm	Fertilizer									Lime							
	Farms reporting use of fertilizer	Acres fertilized as a percent of total cropland plus improved pasture	Percent distribution of—			Quantity used per acre fertilized (lb.)	Expenditures (dollars)			Farms reporting use of lime	Acres limed as a percent of total cropland plus improved pasture	Percent distribution of—		Expenditures (dollars)			
			Farms reporting fertilizer	Fertilizer used	Acres fertilized		For fertilizer	Per acre fertilized	Per cent. of fertilizer used			Farms reporting lime	Lime used	Acres limed	Quantity used per acre limed (lb.)	For lime	Per acre limed
Kansas—Continued																	
Area 2b.....	798	3.4	100.0	100.0	100.0	99	303,734	4.25	4.30	12	(2)	100.0	100.0	100.0	2,852	1,267	4.69
All crop farms.....	567	3.4	71.0	74.3	78.9	93	237,195	4.21	4.52	12	(2)	100.0	100.0	100.0	2,852	1,267	4.69
All livestock farms.....	183	3.8	22.9	22.4	17.0	130	56,796	4.67	3.58	...	...	...	...	...	...	...	...
General crop and livestock farms.....	48	2.5	6.0	3.3	4.1	79	9,743	3.30	4.20	...	...	...	...	...	...	...	...
All other farms.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Areas 3a and A.....	5,712	19.4	100.0	100.0	100.0	86	2,320,667	3.62	4.19	753	0.6	100.0	100.0	100.0	3,505	125,207	6.22
All crop farms.....	3,987	18.0	69.8	71.0	72.7	84	1,651,749	3.54	4.20	540	0.6	71.7	73.7	75.8	3,409	87,629	5.74
All livestock farms.....	1,114	24.4	19.5	19.4	17.7	94	450,565	3.96	4.20	132	0.6	17.5	14.8	13.7	3,793	21,488	7.79
General crop and livestock farms.....	591	24.1	10.3	9.6	9.6	86	217,378	3.54	4.10	81	0.8	10.8	11.5	10.5	3,819	16,090	7.58
All other farms.....	20	11.7	0.4	(2)	(2)	571	975	27.86	4.88	...	...	...	...	...	...	...	...
Area 3b.....	4,461	23.8	100.0	100.0	100.0	96	1,714,872	4.12	4.32	350	0.5	100.0	100.0	100.0	3,518	56,866	6.13
All crop farms.....	2,706	23.1	60.7	59.8	64.1	89	1,037,127	3.89	4.36	169	0.4	48.3	50.1	47.2	3,732	29,350	6.70
All livestock farms.....	1,050	26.4	23.5	26.1	23.8	105	441,864	4.47	4.26	118	0.9	33.7	32.9	36.0	3,216	16,871	5.05
General crop and livestock farms.....	700	22.6	15.7	12.6	12.1	99	220,881	4.40	4.43	63	0.7	18.0	17.0	16.8	3,565	10,645	6.82
All other farms.....	5	79.4	0.1	1.5	0.1	1,481	15,000	37.04	2.50	...	...	...	...	...	...	...	...
Area 4.....	3,451	10.8	100.0	100.0	100.0	119	1,311,580	5.32	4.49	377	0.4	100.0	100.0	100.0	3,761	65,167	7.77
All crop farms.....	1,939	10.5	56.2	60.4	62.9	114	793,906	5.12	4.50	156	0.3	41.4	46.8	52.2	3,370	30,345	6.93
All livestock farms.....	771	10.9	22.3	22.4	20.9	127	292,778	5.68	4.47	100	0.4	26.5	26.7	22.6	4,447	15,932	8.41
General crop and livestock farms.....	741	11.9	21.5	17.2	16.2	126	224,896	5.63	4.48	121	0.6	32.1	26.5	25.2	3,957	18,890	8.93
All other farms.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Area 5.....	7,358	26.7	100.0	100.0	100.0	121	2,672,963	4.96	4.09	1,071	1.3	100.0	100.0	100.0	3,732	158,680	5.81
All crop farms.....	2,367	32.2	32.2	36.1	39.4	111	939,882	4.42	3.98	248	1.0	23.2	27.6	24.7	4,166	44,196	6.54
All livestock farms.....	3,927	24.0	53.4	52.5	49.1	130	1,426,071	5.38	4.15	661	1.6	61.7	61.0	64.8	3,514	95,899	5.42
General crop and livestock farms.....	1,049	23.9	14.3	11.2	11.5	118	304,660	4.91	4.15	162	1.1	15.1	11.4	10.5	4,057	18,585	6.48
All other farms.....	15	1.6	0.2	0.1	(2)	5,067	2,350	156.67	3.09	...	...	...	...	...	...	...	...
Areas 6 and B.....	8,237	29.8	100.0	100.0	100.0	144	3,471,571	6.10	4.24	1,570	2.0	100.0	100.0	100.0	4,027	229,870	5.96
All crop farms.....	3,144	31.8	38.2	42.2	43.7	139	1,498,398	6.02	4.34	479	1.5	30.5	33.0	31.1	4,270	66,840	5.58
All livestock farms.....	3,783	28.9	45.9	45.1	43.4	150	1,526,288	6.19	4.13	850	2.5	54.1	53.2	55.0	3,896	124,690	5.88
General crop and livestock farms.....	1,289	26.9	15.6	12.4	12.7	140	437,295	6.04	4.30	235	2.0	15.0	13.7	13.8	4,004	38,135	7.19
All other farms.....	21	66.6	0.3	0.3	0.2	169	9,590	7.70	4.57	6	2.9	0.4	0.1	0.1	3,519	205	3.80
Area 7a.....	7,818	32.9	100.0	100.0	100.0	139	2,972,896	5.59	4.03	1,765	2.7	100.0	100.0	100.0	4,079	232,231	5.28
All crop farms.....	2,383	35.9	30.5	35.0	36.2	134	1,099,700	5.70	4.26	491	2.4	27.8	31.8	29.9	4,336	79,938	6.07
All livestock farms.....	3,818	30.9	48.8	46.1	44.5	144	1,333,878	5.63	3.92	892	3.0	50.5	50.6	51.5	4,010	114,502	5.05
General crop and livestock farms.....	1,607	32.9	20.6	18.9	19.3	136	538,448	5.25	3.86	382	2.6	21.6	17.6	18.6	3,859	37,791	4.61
All other farms.....	10	20.0	0.1	(2)	(2)	4,800	870	174.00	3.63	...	...	...	...	...	...	...	...
Area 7b.....	5,847	46.7	100.0	100.0	100.0	130	2,618,652	4.80	3.68	1,186	2.5	100.0	100.0	100.0	4,506	173,593	5.83
All crop farms.....	3,088	50.5	52.8	60.7	63.9	124	1,636,480	4.69	3.79	557	2.2	47.0	52.9	51.9	4,592	92,768	6.00
All livestock farms.....	1,874	40.3	32.1	26.6	23.7	146	665,922	5.15	3.52	440	3.2	37.1	35.6	34.7	4,625	58,965	5.71
General crop and livestock farms.....	875	43.1	15.0	12.6	12.4	133	314,500	4.64	3.49	179	2.5	15.1	11.4	13.3	3,861	21,515	5.43
All other farms.....	10	20.0	0.2	0.1	(2)	2,250	1,750	43.75	1.94	10	17.5	0.8	0.1	0.1	4,571	345	9.86
Kentucky, total.....	107,617	27.7	100.0	100.0	100.0	407	25,598,119	10.10	2.49	23,656	5.9	100.0	100.0	100.0	3,683	2,828,327	5.22
All crop farms.....	74,717	25.5	69.4	55.4	46.0	490	14,260,601	12.24	2.50	11,233	4.5	47.5	37.0	37.7	3,618	1,053,335	5.16
All livestock farms.....	19,616	27.4	18.2	26.5	32.4	333	6,842,799	8.35	2.51	7,965	7.6	33.7	42.7	42.0	3,742	1,246,043	5.48
General crop and livestock farms.....	12,834	34.6	11.9	17.6	21.0	341	4,375,225	8.22	2.41	4,328	6.9	18.3	19.6	19.6	3,680	504,629	4.76
All other farms.....	450	28.0	0.4	0.4	0.7	265	119,494	7.21	2.72	130	6.8	0.5	0.8	0.7	3,758	24,320	6.09
Area 1.....	6,101	32.1	100.0	100.0	100.0	247	1,441,829	6.42	2.60	2,438	7.9	100.0	100.0	100.0	3,357	325,211	5.87
All crop farms.....	2,847	31.7	46.7	37.5	37.1	250	525,650	6.31	2.53	897	8.5	36.8	36.8	40.2	3,071	126,376	5.67
All livestock farms.....	1,969	31.7	32.3	39.6	40.3	243	596,525	6.59	2.71	999	7.8	41.0	43.1	40.0	3,618	142,890	6.46
General crop and livestock farms.....	1,275	33.5	20.9	22.8	22.3	253	317,654	6.35	2.51	537	7.2	22.0	19.7	19.5	3,399	54,820	5.08
All other farms.....	10	79.3	0.2	0.1	0.4	87	2,000	2.48	2.86	5	17.2	0.2	0.4	0.3	4,000	1,125	6.43
Area 2.....	4,726	34.4	100.0	100.0	100.0	259	1,519,180	6.44	2.49	1,374	5.6	100.0	100.0	100.0	3,445	217,230	5.65
All crop farms.....	2,388	33.2	50.5	43.1	39.9	279	637,692	6.78	2.43	420	3.9	30.6	26.3	28.9	3,129	63,972	5.75
All livestock farms.....	1,414	36.2	29.9	34.6	39.0	229	551,523	5.99	2.63	595	7.5	43.3	52.1	49.4	3,638	106,328	5.60
General crop and livestock farms.....	909	33.6	19.2	22.0	21.0	271	324,990	6.56	2.42	354	5.6	25.8	21.4	21.5	3,424	46,465	5.62
All other farms.....	15	37.4	0.3	0.3	0.1	744	4,975	23.14	3.11	5	13.0	0.4	0.2	0.2	3,733	465	6.20
Area 3a.....	10,064	31.9	100.0	100.0	100.0	302	2,468,341	7.06	2.34	2,893	7.4	100.0	100.0	100.0	3,570	422,905	5.22
All crop farms.....	5,250	32.5	52.2	40.8	40.8	301	1,003,743	7.03	2.33	1,049	5.5	36.3	31.7	29.7	3,810	116,474	4.85
All livestock farms.....	2,719	29.1	27.0	34.9	34.4	306	855,874	7.11	2.33	1,133	9.0	39.2	45.3	45.7	3,536	192,465	5.20
General crop and livestock farms.....	2,064	35.8	20.5	24.1	24.4	297	602,579	7.05	2.37	700	8.1	24.2	22.1	23.7	3,318	110,589	5.75
All other farms.....	31	27.4	0.3	0.3	0.3	288	6,145	5.98	2.08	11	18.9	0.4	1.0	0.9	4,096	3,377	4.76
Area 3b.....	8,637	34.0	100.0	100.0	100.0	390	2,171,533	9.10	2.33	1,690	4.9	100.0	100.0	100.0	4,193	194,251	5.61
All crop farms.....	5,403	31.6	62.6	48.5	42.3	447	1,060,595	10.49	2.35	760	3.7	45.0	35.3	33.8	4,379	68,955	5.89
All livestock farms.....	1,940	35.2	22.5	30.6	35.2	339	662,278	7.88	2.32	599	7.1	35.4	46.1	48.7	3,971	91,920	5.46
General crop and livestock farms.....	1,274	37.4	14.8	20.7	22.3	363	446,415	8.37	2.31	316	4						

USE OF FERTILIZER AND LIME

Table 6.—USE AND EXPENDITURES FOR FERTILIZER AND LIME OF COMMERCIAL FARMS BY TYPE OF FARM, BY ECONOMIC AREAS: CENSUS OF 1954—Continued

State, economic area, and type of farm	Fertilizer								Lime								
	Farms reporting use of fertilizer	Acres fertilized as a percent of total cropland plus improved pasture	Percent distribution of—			Quantity used per acre fertilized (lb.)	Expenditures (dollars)			Farms reporting use of lime	Acres limed as a percent of total cropland plus improved pasture	Percent distribution of—			Expenditures (dollars)		
			Farms reporting fertilizer	Fertilizer used	Acres fertilized		For fertilizer	Per acre fertilized	Per cent. of fertilizer used			Farms reporting lime	Lime used	Acres limed	Quantity used per acre limed (lb.)	For lime	Per acre limed
Kentucky—Continued																	
Area 5.....	17,071	33.9	100.0	100.0	100.0	402	3,320,429	9.68	2.41	2,986	4.7	100.0	100.0	100.0	4,039	273,415	5.73
All crop farms.....	13,031	33.3	76.3	66.4	63.3	421	2,188,252	10.08	2.39	1,775	4.1	59.4	53.5	56.0	3,861	145,190	5.44
All livestock farms.....	2,311	33.4	13.5	19.7	21.1	376	679,911	9.41	2.50	735	6.1	24.6	29.9	27.6	4,369	85,240	6.46
General crop and livestock farms.....	1,652	37.2	9.7	13.6	15.0	366	442,606	8.62	2.35	461	5.6	15.4	16.4	16.2	4,087	41,735	5.41
All other farms.....	77	38.2	0.5	0.3	0.7	181	9,660	4.13	2.28	15	2.0	0.5	0.3	0.3	4,167	1,350	11.25
Areas C, A, and B.....	27,145	17.3	100.0	100.0	100.0	632	6,451,376	16.67	2.64	4,939	4.9	100.0	100.0	100.0	3,595	594,201	5.42
All crop farms.....	20,560	14.6	75.7	63.5	46.3	867	4,116,314	22.98	2.65	2,468	3.1	50.0	34.9	35.0	3,582	202,617	5.28
All livestock farms.....	4,773	20.3	17.6	27.6	42.7	409	1,776,957	10.75	2.63	1,940	7.3	39.3	53.8	54.2	3,568	330,219	5.56
General crop and livestock farms.....	1,721	20.6	6.3	8.6	10.4	518	536,050	13.28	2.56	510	5.8	10.3	10.8	10.4	3,727	58,060	5.09
All other farms.....	91	38.2	0.3	0.3	0.6	368	22,055	9.95	2.70	21	7.1	0.4	0.5	0.4	5,024	3,305	8.06
Area 7.....	8,603	16.5	100.0	100.0	100.0	685	2,621,182	18.88	2.76	1,419	4.2	100.0	100.0	100.0	3,772	187,247	5.30
All crop farms.....	7,197	16.3	83.7	69.6	46.5	1,025	1,790,740	27.76	2.71	784	3.4	55.3	36.8	38.1	3,643	70,403	5.24
All livestock farms.....	847	14.7	9.8	19.9	34.9	390	542,743	11.20	2.87	527	5.3	37.1	50.5	49.8	3,827	93,762	5.33
General crop and livestock farms.....	486	21.1	5.6	8.7	12.7	467	231,730	13.14	2.82	93	3.5	6.6	9.3	8.4	4,162	15,309	5.16
All other farms.....	73	27.7	0.8	1.9	5.9	221	55,969	6.82	3.09	15	4.4	1.1	3.5	3.7	3,489	7,773	5.90
Areas 8 and C.....	11,664	20.0	100.0	100.0	100.0	562	1,661,882	13.74	2.45	1,984	5.1	100.0	100.0	100.0	3,570	161,568	5.26
All crop farms.....	10,179	18.8	87.3	81.4	73.9	619	1,357,140	15.19	2.46	1,524	4.7	76.8	70.0	71.9	3,472	111,475	5.05
All livestock farms.....	943	25.7	8.1	12.8	18.8	382	201,859	8.90	2.33	307	7.4	15.5	22.4	21.3	3,766	38,868	5.96
General crop and livestock farms.....	462	22.5	4.0	5.3	6.6	454	94,305	11.85	2.61	127	4.8	6.4	6.4	5.5	4,150	9,185	5.42
All other farms.....	80	15.1	0.7	0.6	0.8	395	8,578	9.01	2.28	26	6.3	1.3	1.2	1.3	3,291	2,040	5.16
Area 9.....	1,666	14.9	100.0	100.0	100.0	435	157,848	10.02	2.30	529	9.3	100.0	100.0	100.0	2,975	49,311	5.01
All crop farms.....	1,111	11.9	66.7	56.5	49.8	494	89,725	11.43	2.32	255	6.3	48.2	42.1	42.1	2,975	21,115	5.09
All livestock farms.....	404	21.5	24.2	32.7	39.1	364	51,213	8.32	2.29	204	12.4	38.6	35.9	36.2	2,951	16,687	4.68
General crop and livestock farms.....	104	16.9	6.2	7.1	7.5	410	9,888	8.32	2.03	58	21.6	11.0	15.3	15.4	2,949	7,539	4.97
All other farms.....	47	13.4	2.8	3.7	3.6	447	7,022	12.45	2.79	12	14.8	2.3	6.8	6.4	3,182	3,970	6.34
Louisiana, total.....	52,279	47.1	100.0	100.0	100.0	232	17,369,653	7.63	3.29	1,845	1.6	100.0	100.0	100.0	1,904	401,836	5.26
All crop farms.....	44,398	55.9	84.9	78.5	83.2	219	14,189,312	7.50	3.42	671	0.8	36.4	31.2	35.2	1,691	126,492	4.71
All livestock farms.....	6,131	25.2	11.7	18.0	13.6	307	2,562,523	8.29	2.70	1,042	3.5	56.5	61.0	56.7	2,048	246,853	5.69
General crop and livestock farms.....	1,446	36.1	2.8	3.0	2.8	244	542,429	8.36	3.42	96	2.2	5.2	5.3	5.1	1,980	18,985	4.87
All other farms.....	304	26.4	0.6	0.5	0.4	283	75,389	7.96	2.82	36	6.4	2.0	2.4	3.0	1,552	9,506	4.17
Areas 1 and A.....	4,923	43.4	100.0	100.0	100.0	214	1,832,176	8.36	3.92	101	0.9	100.0	100.0	100.0	2,265	22,900	5.14
All crop farms.....	4,125	52.7	83.8	77.0	79.4	207	1,454,850	8.37	4.04	42	0.9	41.6	74.9	63.3	2,645	18,001	6.39
All livestock farms.....	661	23.3	13.4	17.0	15.3	238	248,797	7.42	3.12	49	1.1	48.5	23.9	35.2	1,599	4,680	2.98
General crop and livestock farms.....	97	35.4	2.0	5.2	4.9	230	118,069	11.09	4.83	10	0.2	9.9	1.2	1.5	1,846	210	3.23
All other farms.....	40	75.3	0.8	0.7	0.5	305	10,460	10.11	3.31	...	...	...	...	...	...	...	...
Area 2.....	14,309	45.7	100.0	100.0	100.0	245	3,680,256	8.07	3.30	369	2.1	100.0	100.0	100.0	1,703	95,306	4.56
All crop farms.....	13,335	50.8	93.2	84.0	82.6	249	3,120,218	8.28	3.33	219	1.6	59.3	52.8	58.5	1,538	52,773	4.32
All livestock farms.....	816	31.1	5.7	13.2	13.2	245	434,954	7.25	2.96	135	4.1	36.6	44.1	37.7	1,992	39,863	5.06
General crop and livestock farms.....	136	31.1	1.0	2.7	4.1	162	119,624	6.43	3.96	15	1.3	4.1	3.1	3.8	1,362	2,670	3.34
All other farms.....	22	11.9	0.2	0.2	0.1	392	5,460	11.40	2.90	...	...	...	...	...	...	...	...
Area 3.....	13,251	54.7	100.0	100.0	100.0	243	2,581,585	7.52	3.09	157	0.7	100.0	100.0	100.0	2,172	29,787	6.53
All crop farms.....	12,318	61.2	93.0	90.7	90.6	244	2,335,125	7.51	3.08	94	0.4	59.9	43.9	44.3	2,150	11,657	5.77
All livestock farms.....	444	22.1	3.4	5.1	5.9	208	142,350	6.99	3.36	33	1.2	21.0	22.8	23.8	2,083	9,845	9.07
General crop and livestock farms.....	474	45.5	3.6	4.1	3.4	293	102,845	8.73	2.98	30	5.6	19.1	33.3	31.9	2,268	8,285	5.69
All other farms.....	15	8.2	0.1	0.1	(2)	303	1,265	8.72	2.88	...	...	...	...	...	...	...	...
Area 4.....	3,458	46.6	100.0	100.0	100.0	292	1,031,471	8.21	2.81	228	3.3	100.0	100.0	100.0	1,909	46,093	5.14
All crop farms.....	2,304	56.5	66.6	58.5	59.5	287	626,635	8.37	2.92	56	1.5	24.6	21.2	21.7	1,866	9,160	4.71
All livestock farms.....	927	37.3	26.8	35.8	35.3	296	346,859	7.82	2.65	150	5.6	65.8	74.4	74.6	1,903	35,173	5.26
General crop and livestock farms.....	156	44.2	4.5	4.9	4.4	326	50,760	9.16	2.81	22	2.7	9.6	4.5	3.7	2,281	1,760	5.25
All other farms.....	71	16.8	2.1	0.8	0.8	296	7,217	7.46	2.52	...	...	...	...	...	...	...	...
Areas 5 and B.....	5,854	36.5	100.0	100.0	100.0	414	1,538,032	9.91	2.39	751	6.4	100.0	100.0	100.0	2,013	157,143	5.76
All crop farms.....	3,431	62.0	58.6	39.7	41.5	396	650,101	10.10	2.55	174	4.3	23.2	10.4	16.5	1,262	18,160	4.03
All livestock farms.....	2,052	28.4	35.1	54.1	51.3	436	783,820	9.84	2.25	534	7.1	71.1	79.2	72.7	2,194	124,344	6.28
General crop and livestock farms.....	264	28.1	4.5	3.8	4.1	387	61,099	9.66	2.50	14	5.1	1.9	4.1	4.2	1,965	5,385	4.72
All other farms.....	107	27.1	1.8	2.4	3.1	327	43,012	8.96	2.74	29	10.1	3.9	6.3	6.6	1,934	9,254	5.16
Area 6.....	3,948	57.5	100.0	100.0	100.0	181	2,577,175	7.30	4.03	54	0.3	100.0	100.0	100.0	1,383	7,779	3.99
All crop farms.....	3,514	65.0	89.0	88.8	91.9	175	2,328,767	7.17	4.10	31	0.2	57.4	59.3	42.6	1,928	4,640	5.59
All livestock farms.....	264	21.8	6.7	9.1	5.8	282	198,508	9.67	3.43	22	0.7	40.7	39.3	34.4	1,582	2,995	4.47
General crop and livestock farms.....	159	37.1	4.0	2.0	1.9	197	48,150	7.36	3.73	...	...	...	...	...	...	...	...
All other farms.....	11	70.0	0.3	0.1	0.4	40	1,750	1.20	3.02	1	21.6	1.9	1.3	23.1	80	144	0.32
Area 7.....	5,166	46.6	100.0	100.0	100.0	185	3,654,518	6.46	3.49	85	0.4	100.0	100.0	100.0	1,818	22,111	5.16
All crop farms.....	4,730	53.3	91.6	95.9	96.5	184	3,520,289	6.45	3.50	53	0.2	62.4	49.8	57.5	1,574	11,767	4.78
All livestock farms.....	307	8.7	5.9	3.1	2.8	208	101,602	6.43	3.10	26	1.0	30.6	49.9	41.7	2,175		

USE OF FERTILIZER AND LIME

Table 6.—USE AND EXPENDITURES FOR FERTILIZER AND LIME OF COMMERCIAL FARMS BY TYPE OF FARM, BY ECONOMIC AREAS: CENSUS OF 1954—Continued

State, economic area, and type of farm	Fertilizer										Lime						
	Farms reporting use of fertilizer	Acres fertilized as a percent of total cropland plus improved pasture	Percent distribution of—			Quantity used per acre fertilized (lb.)	Expenditures (dollars)			Farms reporting use of lime	Acres limed as a percent of total cropland plus improved pasture	Percent distribution of—			Quantity used per acre limed (lb.)	Expenditures (dollars)	
			Farms reporting fertilizer	Fertilizer used	Acres fertilized		For fertilizer	Per acre fertilized	Per cent. of fertilizer used			Farms reporting lime	Lime used	Acres limed		For lime	Per acre limed
Maine, total.....	8,145	23.0	100.0	100.0	100.0	1,403	10,053,934	42.35	3.02	3,035	5.1	100.0	100.0	100.0	1,422	222,474	4.24
All crop farms.....	3,728	38.6	45.8	84.8	68.8	1,731	8,602,552	52.70	3.04	1,175	7.3	38.7	42.2	58.6	1,025	95,925	3.12
All livestock farms.....	3,689	13.0	45.3	13.0	28.1	649	1,249,483	18.72	2.89	1,651	3.8	54.4	52.4	37.4	1,990	113,542	5.79
General crop and livestock farms.....	348	10.1	4.3	1.7	2.2	1,076	153,581	29.42	2.73	132	3.1	4.3	4.1	3.1	1,912	9,860	6.14
All other farms.....	380	4.8	4.7	0.5	0.9	756	48,318	22.31	2.95	77	1.1	2.5	1.3	0.9	2,012	3,147	6.53
Area 1.....	3,323	40.9	100.0	100.0	100.0	1,782	8,219,081	54.34	3.05	1,093	7.8	100.0	100.0	100.0	851	81,438	2.82
All crop farms.....	3,002	42.8	90.3	96.2	92.6	1,852	7,894,766	56.38	3.04	953	8.0	87.2	87.6	90.6	822	71,623	2.73
All livestock farms.....	245	31.2	7.4	3.1	6.5	856	264,890	27.03	3.16	110	7.6	10.1	10.7	8.2	1,107	8,900	3.75
General crop and livestock farms.....	56	16.3	1.7	0.6	0.8	1,526	56,455	49.52	3.24	25	4.1	2.3	1.3	1.0	1,158	740	2.60
All other farms.....	20	6.7	0.6	(2)	0.2	393	2,970	9.74	2.48	5	1.1	0.5	0.4	0.2	2,000	175	3.50
Area 2.....	2,229	17.0	100.0	100.0	100.0	822	1,074,022	23.96	2.92	959	4.5	100.0	100.0	100.0	1,979	74,745	6.23
All crop farms.....	317	35.5	14.2	39.2	25.8	1,246	441,394	38.10	3.06	102	6.2	10.6	14.3	16.8	1,682	10,693	5.31
All livestock farms.....	1,592	15.4	71.4	52.9	67.4	645	557,513	18.45	2.86	755	4.6	78.7	76.9	75.3	2,021	56,033	6.20
General crop and livestock farms.....	120	11.1	5.4	5.2	4.4	986	45,824	23.43	2.38	58	4.0	6.0	6.5	6.0	2,165	5,732	8.02
All other farms.....	200	6.2	9.0	2.7	2.4	926	29,291	27.56	2.98	44	1.4	4.6	2.3	2.0	2,300	2,287	9.53
Area 3.....	1,038	7.3	100.0	100.0	100.0	750	232,603	20.66	2.76	309	2.0	100.0	100.0	100.0	2,056	17,293	5.72
All crop farms.....	231	6.2	22.3	30.6	23.7	968	72,174	27.07	2.80	43	0.9	13.9	10.0	12.3	1,668	1,977	5.30
All livestock farms.....	631	8.1	60.8	53.5	62.0	647	125,720	18.01	2.79	238	2.8	77.0	79.5	78.2	2,089	13,360	5.65
General crop and livestock farms.....	92	10.2	8.9	13.2	10.0	991	28,007	24.96	2.52	26	2.4	8.4	10.2	8.9	2,373	1,932	7.21
All other farms.....	84	3.3	8.1	2.8	4.3	479	6,702	13.71	2.86	2	0.1	0.6	0.3	0.6	1,059	24	1.41
Areas 4 and A.....	1,555	12.4	100.0	100.0	100.0	609	528,228	17.58	2.89	674	3.5	100.0	100.0	100.0	2,353	48,998	5.77
All crop farms.....	178	44.4	11.4	34.2	29.9	696	194,218	21.62	3.11	77	10.6	11.4	29.7	25.2	2,771	11,632	5.44
All livestock farms.....	1,221	10.0	78.5	59.6	65.7	552	301,360	15.25	2.76	548	3.0	81.3	66.1	68.8	2,260	35,249	6.03
General crop and livestock farms.....	80	6.3	5.1	4.6	3.3	836	23,295	23.25	2.78	23	2.1	3.4	2.8	4.0	1,645	1,456	4.31
All other farms.....	76	3.4	4.9	1.6	1.0	971	9,355	30.28	3.12	26	1.9	3.9	1.5	2.1	1,714	661	3.78
Maryland, total.....	19,537	54.8	100.0	100.0	100.0	445	12,371,019	10.81	2.43	8,044	10.6	100.0	100.0	100.0	1,887	1,770,701	8.01
All crop farms.....	7,960	60.4	40.7	42.5	36.2	522	5,395,798	13.03	2.50	2,382	9.6	29.6	25.3	29.8	1,600	508,634	7.72
All livestock farms.....	9,413	51.5	48.2	45.5	52.1	388	5,526,250	9.28	2.39	4,708	11.1	58.5	64.4	57.9	2,100	1,042,142	8.15
General crop and livestock farms.....	1,941	57.5	9.9	11.3	11.3	445	1,358,312	10.52	2.37	886	11.2	11.0	9.8	11.3	1,628	205,845	8.21
All other farms.....	223	25.8	1.1	0.7	0.5	696	90,659	16.91	2.43	68	10.6	0.8	0.5	1.0	1,005	14,080	6.37
Area 1.....	946	30.8	100.0	100.0	100.0	354	236,132	8.93	2.49	469	8.6	100.0	100.0	100.0	3,130	61,703	8.34
All crop farms.....	91	31.2	9.6	15.1	11.7	461	33,170	10.70	2.32	20	9.6	4.3	4.1	12.8	1,011	2,680	2.82
All livestock farms.....	713	30.3	75.4	69.4	74.5	334	160,557	8.15	2.44	399	9.0	85.1	87.5	79.1	3,462	53,253	9.10
General crop and livestock farms.....	116	37.4	12.3	12.9	12.3	376	35,375	10.90	2.90	45	6.6	9.6	8.0	7.8	3,235	5,595	9.73
All other farms.....	26	19.0	2.7	2.7	1.5	651	7,030	18.03	2.77	5	1.0	1.1	0.3	0.3	3,500	175	8.75
Area 2.....	5,882	52.9	100.0	100.0	100.0	373	2,917,754	8.54	2.29	2,600	9.9	100.0	100.0	100.0	2,212	527,336	8.21
All crop farms.....	614	58.6	10.4	9.5	10.4	338	302,549	8.48	2.51	173	8.1	6.7	8.1	7.7	2,328	42,768	8.70
All livestock farms.....	4,551	51.9	77.4	77.9	79.0	368	2,272,688	8.42	2.29	2,165	10.3	83.3	83.3	83.5	2,258	430,178	8.02
General crop and livestock farms.....	681	55.2	11.6	11.7	9.8	442	318,257	9.48	2.14	261	9.0	10.0	6.6	8.6	1,695	53,190	9.67
All other farms.....	36	63.3	0.6	1.0	0.7	492	24,260	9.75	1.98	1	3.8	(2)	0.1	0.2	1,000	1,200	8.00
Areas A and B.....	3,846	43.5	100.0	100.0	100.0	515	1,987,940	12.58	2.44	1,615	12.0	100.0	100.0	100.0	1,701	310,970	7.11
All crop farms.....	2,175	43.6	56.6	46.0	37.0	639	949,795	16.24	2.54	615	8.0	38.1	18.7	24.6	1,293	70,610	6.57
All livestock farms.....	1,370	44.5	35.6	47.2	55.7	436	901,630	10.24	2.35	849	14.5	52.6	72.1	65.7	1,868	209,335	7.29
General crop and livestock farms.....	201	48.1	5.2	6.1	6.9	457	121,875	11.19	2.45	116	13.9	7.2	7.9	7.2	1,869	24,330	7.75
All other farms.....	100	6.4	2.6	0.7	0.4	1,034	14,640	26.38	2.55	35	13.2	2.2	1.3	2.6	842	6,695	5.87
Area 3.....	2,900	44.3	100.0	100.0	100.0	572	1,076,708	14.50	2.53	650	6.0	100.0	100.0	100.0	1,854	99,375	9.91
All crop farms.....	2,679	45.0	92.4	87.9	87.2	577	955,095	14.75	2.56	561	5.1	86.3	73.7	73.4	1,863	73,265	9.96
All livestock farms.....	118	39.3	4.1	5.8	6.2	540	59,380	12.97	2.40	47	11.7	7.2	16.3	13.6	2,222	16,060	11.82
General crop and livestock farms.....	91	44.4	3.1	6.1	6.4	544	60,265	12.68	2.33	32	9.9	4.9	7.6	10.6	1,340	7,950	7.50
All other farms.....	12	16.8	0.4	0.2	0.3	402	1,968	9.65	2.40	10	20.6	1.5	2.4	2.5	1,760	2,100	8.40
Area 4a.....	3,241	64.2	100.0	100.0	100.0	415	3,469,569	10.24	2.47	1,536	10.9	100.0	100.0	100.0	1,877	480,182	8.37
All crop farms.....	902	72.4	27.8	40.7	34.9	484	1,392,305	11.78	2.43	372	11.4	24.2	31.3	32.3	1,813	156,920	8.45
All livestock farms.....	1,837	58.9	56.7	46.3	50.1	383	1,635,008	9.63	2.51	945	10.7	61.5	55.0	53.8	1,920	256,708	8.32
General crop and livestock farms.....	486	66.6	15.0	12.9	14.8	363	436,300	8.70	2.40	219	10.6	14.3	13.7	13.9	1,858	66,554	8.35
All other farms.....	16	50.7	0.5	0.2	0.2	339	5,956	9.09	2.68	...	...	...	...	...	...	...	...
Area 4b.....	2,722	68.9	100.0	100.0	100.0	523	2,682,916	13.10	2.50	1,174	12.9	100.0	100.0	100.0	1,337	291,135	7.60
All crop farms.....	1,499	77.2	55.1	65.9	65.3	528	1,762,884	13.17	2.47	641	13.5	54.6	61.8	60.9	1,359	162,391	6.96
All livestock farms.....	824	58.9	30.3	18.3	21.2	451	496,987	11.45	2.54	303	10.2	25.8	22.3	19.6	1,519	76,608	10.18
General crop and livestock farms.....	366	57.3	13.4	14.5	13.0	587	386,240	14.55	2.48	213	14.7	18.1	14.7	17.8	1,104	48,226	7.07
All other farms.....	33	29.2	1.2	1.3	0.5	1,286	36,805	34.40	2.67	17	17.8	1.4	1.2	1.7	923	3,916	6.02
Massachusetts, total.....	6,097	32.1	100.0	100.0	100.0	697	3,197,274	21.43	3.07	2,350	6.2	100.0	100.0	100.0	2,334	248,132	8.65
All crop farms.....	1,861	53.0	30.5	43.1	27.1	1,163	1,555,159	38.52	3.31	455	7.5	19.4	18.6	19.9	2,188	54,907	9.63
All livestock farms.....	3,333	27.9	54.														

USE OF FERTILIZER AND LIME

Table 6.—USE AND EXPENDITURES FOR FERTILIZER AND LIME OF COMMERCIAL FARMS BY TYPE OF FARM, BY ECONOMIC AREAS: CENSUS OF 1954—Continued

State, economic area, and type of farm	Farms reporting use of fertilizer	Acres fertilized as a percent of total cropland plus improved pasture	Fertilizer							Lime							
			Percent distribution of—			Quantity used per acre fertilized (lb.)	Expenditures (dollars)			Farms reporting use of lime	Acres limed as a percent of total cropland plus improved pasture	Percent distribution of—			Expenditures (dollars)		
			Farms reporting fertilizer	Fertilizer used	Acres fertilized		For fertilizer	Per acre fertilized	Per cent. of fertilizer used			Farms reporting lime	Lime used	Acres limed	Quantity used per acre limed (lb.)	For lime	Per acre limed
Massachusetts—Continued																	
Area A.....	1,376	43.1	100.0	100.0	100.0	1,016	1,244,829	34.47	3.39	562	9.3	100.0	100.0	100.0	2,311	69,535	8.92
All crop farms.....	604	58.9	43.9	63.0	36.2	1,769	830,106	63.51	3.59	172	10.6	30.6	27.0	30.1	2,067	22,540	9.59
All livestock farms.....	671	37.4	48.8	32.3	58.9	557	358,155	16.84	3.02	365	9.3	64.9	68.8	67.8	2,346	45,020	8.52
General crop and livestock farms.....	45	46.1	3.3	3.5	4.6	768	35,815	21.45	2.79	5	2.8	0.9	2.5	1.3	4,500	1,500	15.00
All other farms.....	56	9.1	4.1	1.2	0.3	4,157	20,753	203.46	4.89	20	5.3	3.6	1.7	0.8	5,167	475	7.92
Area B.....	943	27.0	100.0	100.0	100.0	462	373,830	12.90	2.80	460	4.6	100.0	100.0	100.0	2,690	54,601	11.10
All crop farms.....	146	51.7	15.5	18.4	19.3	439	76,885	13.77	3.13	51	12.8	11.1	23.6	28.1	2,261	14,796	10.72
All livestock farms.....	672	24.5	71.3	74.4	75.1	457	265,880	12.23	2.67	369	3.7	30.2	70.2	67.4	2,804	36,915	11.15
General crop and livestock farms.....	35	16.9	3.7	4.8	3.6	605	19,255	18.25	3.02	20	2.9	4.3	5.1	3.7	3,778	2,380	13.22
All other farms.....	90	47.8	9.5	2.5	2.0	574	11,810	20.19	3.51	20	3.7	4.3	1.1	0.9	3,111	510	11.33
Area C.....	1,538	34.4	100.0	100.0	100.0	611	577,730	17.49	2.86	577	7.3	100.0	100.0	100.0	1,800	57,107	8.10
All crop farms.....	346	60.9	22.5	29.6	23.2	779	168,385	21.95	2.82	130	9.4	22.5	18.9	16.7	2,034	11,425	9.68
All livestock farms.....	712	29.2	46.3	54.2	65.2	508	294,615	13.68	2.69	292	6.5	50.6	68.2	68.6	1,789	38,082	7.88
General crop and livestock farms.....	60	32.7	3.9	3.1	4.5	427	20,530	13.97	3.27	15	12.4	2.6	7.6	7.9	1,730	5,385	9.70
All other farms.....	420	46.4	27.3	13.1	7.1	1,123	94,200	40.09	3.57	140	9.5	24.3	5.4	6.8	1,417	2,215	4.61
Areas D, E, and F.....	1,262	37.8	100.0	100.0	100.0	536	407,590	14.86	2.77	423	7.1	100.0	100.0	100.0	2,521	44,421	8.59
All crop farms.....	494	37.4	39.1	27.7	25.8	574	123,393	17.40	3.03	47	1.8	11.1	8.8	6.6	3,398	3,516	10.37
All livestock farms.....	637	38.3	40.5	57.8	63.2	491	223,962	12.92	2.63	311	9.6	73.5	78.7	84.0	2,362	34,345	7.91
General crop and livestock farms.....	45	33.0	3.6	10.9	6.7	881	44,945	24.63	2.80	30	7.4	7.1	11.1	7.9	3,537	6,040	14.73
All other farms.....	86	43.3	6.8	3.6	4.3	447	15,250	12.87	2.88	35	2.9	8.3	1.4	1.5	2,250	520	6.50
Michigan, total.....	81,041	44.4	100.0	100.0	100.0	250	31,163,156	7.26	2.90	12,078	2.2	100.0	100.0	100.0	3,943	1,437,722	6.85
All crop farms.....	26,872	57.4	33.2	41.1	37.2	277	13,003,948	8.14	2.94	2,904	1.9	24.0	26.0	25.3	4,058	380,435	7.16
All livestock farms.....	40,426	37.5	49.9	41.4	45.6	228	12,658,105	6.47	2.84	7,156	2.4	59.2	57.0	58.6	3,836	818,935	6.65
General crop and livestock farms.....	12,798	45.0	15.8	17.0	17.0	251	5,360,924	7.35	2.43	1,958	2.0	16.2	16.4	15.8	4,104	232,632	7.02
All other farms.....	945	20.3	1.2	0.4	0.2	422	140,179	13.49	3.20	60	1.3	0.5	0.5	0.3	6,321	5,720	8.35
Area 1.....	912	10.5	100.0	100.0	100.0	343	153,075	9.34	2.73	352	2.6	100.0	100.0	100.0	4,874	24,870	6.10
All crop farms.....	78	38.3	8.6	26.4	19.4	465	41,140	12.94	2.78	15	1.7	4.3	3.3	3.4	4,643	1,035	7.39
All livestock farms.....	710	8.8	77.9	61.8	70.0	302	96,682	8.43	2.79	322	3.0	91.5	94.9	94.8	4,875	23,040	5.96
General crop and livestock farms.....	91	11.0	10.0	9.9	8.5	399	11,995	8.59	2.15	15	0.6	4.3	1.9	1.7	5,286	795	11.36
All other farms.....	33	6.4	3.6	1.9	2.1	320	3,258	9.64	3.02	...	...	...	...	...	...	...	...
Area 2.....	1,722	15.9	100.0	100.0	100.0	270	365,417	7.57	2.80	113	0.5	100.0	100.0	100.0	2,422	5,892	4.04
All crop farms.....	72	34.0	4.2	14.4	9.6	406	58,910	12.74	3.14	6	0.2	5.3	2.8	1.7	4,000	210	8.40
All livestock farms.....	1,440	16.4	83.6	76.5	81.2	254	273,857	6.99	2.75	102	0.6	90.3	93.8	94.9	2,394	5,562	4.02
General crop and livestock farms.....	127	8.3	7.4	7.5	7.5	267	25,529	7.02	2.63	5	0.1	4.4	3.4	3.4	2,400	120	2.40
All other farms.....	83	12.6	4.8	1.7	1.7	267	7,121	8.63	3.24	...	...	...	...	...	...	...	...
Area 3.....	3,165	30.1	100.0	100.0	100.0	281	998,618	9.57	3.40	620	2.5	100.0	100.0	100.0	3,827	57,200	6.51
All crop farms.....	1,105	41.4	34.9	46.3	39.5	330	485,128	11.76	3.56	155	2.3	25.0	25.6	26.0	3,772	15,335	6.73
All livestock farms.....	1,479	25.2	46.7	36.0	42.4	239	350,240	7.92	3.31	345	3.0	55.6	59.8	60.2	3,803	32,515	6.15
General crop and livestock farms.....	525	27.0	16.6	16.6	17.5	266	151,390	8.27	3.11	115	1.7	18.5	14.5	13.3	4,162	9,075	7.76
All other farms.....	56	14.2	1.8	1.1	0.6	543	11,860	20.52	3.78	5	1.2	0.8	0.1	0.6	1,000	275	5.50
Area 4a.....	4,576	22.2	100.0	100.0	100.0	284	1,255,456	8.47	2.98	1,171	2.6	100.0	100.0	100.0	3,480	96,264	5.46
All crop farms.....	552	38.1	12.1	25.9	15.9	462	334,590	14.20	3.07	72	1.5	6.1	3.8	5.4	2,448	5,278	5.53
All livestock farms.....	3,323	19.9	72.6	58.1	67.6	244	723,053	7.22	2.96	911	2.8	77.8	76.1	79.0	3,355	72,877	5.24
General crop and livestock farms.....	675	24.8	14.8	15.9	16.4	276	196,613	8.09	2.93	178	2.7	15.2	19.0	15.2	4,349	17,609	6.56
All other farms.....	26	3.4	0.6	0.1	0.1	409	1,200	9.45	2.31	10	1.9	0.9	1.1	0.4	9,286	500	7.14
Area 4b.....	3,396	20.7	100.0	100.0	100.0	241	717,916	6.57	2.73	351	1.1	100.0	100.0	100.0	3,547	38,687	6.41
All crop farms.....	476	35.3	14.0	22.1	17.9	297	157,985	8.07	2.72	20	0.4	5.7	3.4	3.7	3,200	1,175	5.22
All livestock farms.....	2,289	18.2	67.4	59.8	63.6	227	431,311	6.21	2.74	295	1.3	84.0	86.4	80.4	3,811	34,602	7.13
General crop and livestock farms.....	596	22.8	17.6	17.9	18.2	237	127,315	6.41	2.71	36	1.1	10.3	10.3	15.9	2,292	2,910	3.04
All other farms.....	35	8.9	1.0	0.2	0.3	179	1,305	4.50	2.51	...	...	...	...	...	...	...	...
Areas 5a and A.....	10,189	53.5	100.0	100.0	100.0	248	4,093,703	6.92	2.79	635	0.9	100.0	100.0	100.0	3,076	61,900	6.07
All crop farms.....	4,591	62.4	45.1	53.1	49.7	265	2,177,698	7.40	2.80	175	0.7	27.6	28.6	32.6	2,704	21,700	6.53
All livestock farms.....	3,704	44.3	36.4	28.6	32.1	221	1,151,410	6.06	2.75	330	1.0	52.0	50.1	41.6	3,703	28,135	6.63
General crop and livestock farms.....	1,829	52.2	18.0	18.1	18.0	249	756,945	7.09	2.85	130	1.3	20.5	21.3	25.8	2,535	12,065	4.58
All other farms.....	65	42.0	0.6	0.2	0.1	321	7,650	9.75	3.04	...	...	...	...	...	...	...	...
Area 5b.....	9,118	58.2	100.0	100.0	100.0	239	4,386,903	6.90	2.89	281	0.4	100.0	100.0	100.0	3,374	28,795	6.96
All crop farms.....	3,823	67.2	42.0	46.5	46.6	239	2,093,527	7.07	2.96	95	0.3	33.8	29.6	35.1	2,838	9,260	6.36
All livestock farms.....	3,783	48.2	41.5	34.0	35.1	232	1,429,456	6.43	2.76	151	0.5	53.7	60.4	51.0	4,000	16,225	7.69
General crop and livestock farms.....	1,492	61.5	16.4	19.4	18.3	254	861,145	7.43	2.92	35	0.3	12.5	10.0	13.9	2,435	3,310	5.76
All other farms.....	20	18.6	0.2	0.1	(2)	350	2,775	11.56	3.30	...	...	...	...	...	...	...	...
Areas 6a, B, and C.....	7,248	43.0	100.0	100.0	100.0	272	2,375,115	8.11	2.98	1,610	3.6	100.0	100.0	100.0	3,886	178,280	7.24
All crop farms.....	1,542	52.7	21.3	34.7	22.8	415	860,475	12.89	3.11	300	4.3	18.6	20.7	22.1	3,639	42,785	7.87
All livestock farms.....	4,506	40.3	62.2														

USE OF FERTILIZER AND LIME

Table 6.—USE AND EXPENDITURES FOR FERTILIZER AND LIME OF COMMERCIAL FARMS BY TYPE OF FARM, BY ECONOMIC AREAS: CENSUS OF 1954—Continued

State, economic area, and type of farm	Fertilizer								Lime								
	Farms reporting use of fertilizer	Acres fertilized as a percent of total cropland plus improved pasture	Percent distribution of—			Quantity used per acre fertilized (lb.)	Expenditures (dollars)			Farms reporting use of lime	Acres limed as a percent of total cropland plus improved pasture	Percent distribution of—			Quantity used per acre limed (lb.)	Expenditures (dollars)	
			Farms reporting fertilizer	Fertilizer used	Acres fertilized		For fertilizer	Per acre fertilized	Per cent. of fertilizer used			Farms reporting lime	Lime used	Acres limed		For lime	Per acre limed
Michigan—Continued																	
Areas 7, D, and E.....	14,540	46.9	100.0	100.0	100.0	227	5,558,842	6.50	2.87	2,088	2.0	100.0	100.0	100.0	3,420	271,941	7.32
All crop farms.....	4,139	52.3	28.5	31.3	29.4	242	1,758,750	7.00	2.90	409	1.9	19.6	25.0	24.6	3,473	69,700	7.63
All livestock farms.....	8,133	44.5	55.9	52.9	54.8	219	2,913,164	6.22	2.84	1,307	2.2	62.6	58.8	61.3	3,278	162,493	7.13
General crop and livestock farms.....	2,193	47.4	15.1	15.7	15.8	226	880,698	6.53	2.89	372	1.8	17.8	16.3	14.1	3,947	39,748	7.59
All other farms.....	75	14.1	0.5	0.1	(Z)	535	6,230	15.58	2.91	...	...	...	...	...	...	...	...
Areas 8 and F.....	9,013	51.7	100.0	100.0	100.0	260	3,672,509	7.13	2.74	768	2.0	100.0	100.0	100.0	2,440	119,150	5.89
All crop farms.....	3,498	62.1	38.8	44.1	41.0	280	1,618,573	7.66	2.74	247	1.6	32.2	22.9	27.4	2,036	25,674	4.63
All livestock farms.....	4,189	44.8	46.5	39.0	44.5	228	1,364,746	5.96	2.61	400	2.5	52.1	62.2	61.9	2,453	69,771	5.57
General crop and livestock farms.....	1,144	52.6	12.7	16.3	14.0	302	662,000	9.16	3.03	111	1.6	14.5	14.7	10.6	3,400	23,205	10.87
All other farms.....	182	31.7	2.0	0.6	0.5	346	27,190	11.16	3.22	10	0.3	1.3	0.2	0.1	3,600	500	20.00
Area 9a.....	6,122	53.4	100.0	100.0	100.0	233	2,523,770	6.52	2.79	870	2.0	100.0	100.0	100.0	4,334	97,425	6.64
All crop farms.....	2,203	60.7	36.0	40.4	37.8	250	1,018,620	6.97	2.79	265	1.8	30.5	27.1	29.8	3,945	25,315	5.80
All livestock farms.....	2,733	49.5	44.6	42.0	43.9	224	1,055,285	6.22	2.78	490	2.5	56.3	62.3	57.8	4,667	59,105	6.97
General crop and livestock farms.....	1,156	50.8	18.9	17.4	18.3	222	446,745	6.31	2.84	115	1.3	13.2	10.6	12.4	3,774	13,005	7.15
All other farms.....	30	17.5	0.5	0.1	0.1	305	3,120	9.30	3.25	...	...	...	...	...	...	...	...
Areas 9b and G.....	6,223	43.8	100.0	100.0	100.0	240	2,842,532	7.35	3.06	2,116	5.0	100.0	100.0	100.0	5,438	325,864	7.36
All crop farms.....	1,892	50.6	30.4	36.3	33.7	259	1,033,305	7.93	3.07	562	4.4	26.6	31.2	25.8	6,564	94,174	8.24
All livestock farms.....	3,037	40.5	48.8	42.9	46.3	222	1,229,106	6.87	3.09	1,098	5.2	51.9	45.0	52.4	4,670	161,340	6.96
General crop and livestock farms.....	1,144	42.6	18.4	20.1	19.7	245	556,551	7.31	2.98	436	5.2	20.6	22.8	21.0	5,898	68,005	7.32
All other farms.....	150	25.1	2.4	0.8	0.3	567	22,570	18.28	3.22	20	7.4	0.9	1.1	0.8	7,233	2,255	6.18
Minnesota, total.....	72,466	18.8	100.0	100.0	100.0	151	22,975,308	5.54	3.66	11,580	0.9	100.0	100.0	100.0	3,947	960,039	5.07
All crop farms.....	19,153	22.0	26.4	37.7	41.8	136	8,986,438	5.18	3.80	943	0.2	8.1	9.3	9.3	3,913	100,977	5.71
All livestock farms.....	38,830	17.3	53.6	43.6	40.3	164	9,767,743	5.85	3.57	8,922	1.5	77.0	73.9	74.6	3,912	701,085	4.96
General crop and livestock farms.....	14,245	16.6	19.7	18.5	17.9	156	4,185,817	5.63	3.61	1,668	0.7	14.4	16.7	15.9	4,140	156,442	5.18
All other farms.....	238	10.6	0.3	0.2	0.1	430	35,310	15.88	3.69	47	1.6	0.4	0.1	0.2	2,986	1,535	4.45
Area 1.....	8,310	26.4	100.0	100.0	100.0	93	4,066,388	3.66	3.93	34	(Z)	100.0	100.0	100.0	1,738	494	2.59
All crop farms.....	4,812	32.1	57.9	74.8	77.9	89	3,088,838	3.57	3.99	13	(Z)	38.2	15.7	16.2	1,677	173	5.58
All livestock farms.....	1,788	14.3	21.5	10.9	9.2	111	421,309	4.13	3.72	15	(Z)	44.1	61.3	65.4	1,680	175	1.40
General crop and livestock farms.....	1,710	17.8	20.6	14.3	12.9	103	556,241	3.89	3.77	6	(Z)	17.6	21.1	18.3	2,000	146	4.17
All other farms.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Areas 2 and A.....	2,606	6.5	100.0	100.0	100.0	175	341,613	5.88	3.36	1,031	1.2	100.0	100.0	100.0	3,203	65,457	5.99
All crop farms.....	140	8.8	5.4	9.5	9.5	176	36,070	6.57	3.74	25	0.4	2.4	2.9	2.4	3,887	2,080	7.85
All livestock farms.....	2,043	6.2	78.4	66.2	69.2	168	225,379	5.61	3.34	923	1.5	89.5	87.5	89.3	3,138	56,777	5.82
General crop and livestock farms.....	383	7.4	14.7	23.4	21.1	194	77,994	6.37	3.28	63	0.5	6.1	8.2	7.0	3,740	6,015	7.81
All other farms.....	40	1.2	1.5	0.9	0.2	681	2,170	16.07	2.36	20	1.2	1.9	1.3	1.2	3,481	585	4.33
Area 3.....	4,891	10.1	100.0	100.0	100.0	126	756,639	4.42	3.52	185	0.1	100.0	100.0	100.0	2,268	14,615	6.12
All crop farms.....	379	15.6	7.7	14.8	18.0	103	123,087	3.99	3.87	10	0.1	5.4	5.7	5.4	2,385	1,115	8.58
All livestock farms.....	3,612	9.3	73.8	65.1	62.1	132	477,325	4.50	3.42	155	0.2	83.8	83.8	85.4	2,225	11,865	5.82
General crop and livestock farms.....	885	9.8	18.1	20.0	19.8	127	155,722	4.59	3.62	20	0.1	10.8	10.5	9.2	2,591	1,635	7.43
All other farms.....	15	6.4	0.3	0.1	(Z)	160	505	6.73	4.21	...	...	...	...	...	...	...
Area 4.....	7,494	19.9	100.0	100.0	100.0	161	1,198,858	5.73	3.55	2,457	2.5	100.0	100.0	100.0	3,349	118,996	4.60
All crop farms.....	324	19.2	4.3	9.1	7.2	205	117,072	7.80	3.80	95	1.3	3.9	4.3	4.0	3,570	6,121	5.85
All livestock farms.....	6,642	19.8	88.6	82.2	83.5	159	975,466	5.58	3.52	2,148	2.6	87.4	86.4	87.1	3,321	100,670	4.46
General crop and livestock farms.....	518	22.0	6.9	8.6	9.3	150	105,590	5.44	3.63	209	2.5	8.5	9.1	8.5	3,579	11,965	5.43
All other farms.....	10	3.0	0.1	0.1	0.1	174	730	6.35	3.65	5	2.0	0.2	0.2	0.3	1,867	240	3.20
Area 5.....	9,757	12.7	100.0	100.0	100.0	169	3,378,846	6.42	3.79	70	(Z)	100.0	100.0	100.0	2,419	2,550	4.86
All crop farms.....	4,357	11.1	44.7	44.8	46.0	165	1,536,060	6.35	3.85	30	(Z)	42.9	62.2	63.8	2,358	1,435	4.28
All livestock farms.....	3,183	15.8	32.6	34.8	32.8	180	1,147,382	6.64	3.69	30	(Z)	42.9	30.7	28.6	2,600	985	6.57
General crop and livestock farms.....	2,217	12.7	22.7	20.4	22.2	163	695,404	6.24	3.82	10	(Z)	14.3	7.1	7.6	2,250	130	3.25
All other farms.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Areas 6 and B.....	15,767	18.5	100.0	100.0	100.0	179	4,322,701	6.32	3.52	4,955	2.5	100.0	100.0	100.0	4,153	437,838	4.79
All crop farms.....	1,998	24.7	12.7	19.7	15.4	229	897,570	8.51	3.71	428	1.8	8.6	8.4	8.4	4,155	41,690	5.45
All livestock farms.....	10,498	17.4	66.6	58.4	63.0	166	2,502,205	5.80	3.49	3,691	2.7	74.5	72.9	73.2	4,135	314,272	4.70
General crop and livestock farms.....	3,129	18.5	19.8	21.3	21.4	179	894,376	6.11	3.42	815	2.1	16.4	18.7	18.4	4,231	81,576	4.85
All other farms.....	142	40.5	0.9	0.6	0.2	524	28,550	20.48	3.91	21	1.7	0.4	(Z)	0.1	2,000	300	5.00
Area 7.....	11,592	22.8	100.0	100.0	100.0	188	4,288,752	6.80	3.63	2,757	2.0	100.0	100.0	100.0	4,155	293,600	5.33
All crop farms.....	3,118	22.5	26.9	36.8	32.4	213	1,559,467	7.63	3.58	306	0.9	11.1	13.3	14.2	3,910	45,234	5.79
All livestock farms.....	5,487	25.0	47.3	41.8	45.4	173	1,805,685	6.30	3.65	1,920	3.2	69.6	68.2	67.6	4,194	194,221	5.22
General crop and livestock farms.....	2,976	19.7	25.7	21.3	22.1	181	921,435	6.61	3.66	530	1.4	19.2	18.3	18.1	4,202	53,735	5.39
All other farms.....	11	28.6	0.1	0.1	0.1	224	2,165	6.56	2.93	1	6.5	(Z)	0.1	0.1	4,000	410	5.47
Area 8.....	12,049	21.2	100.0	100.0	100.0	168	4,621,511	6.08	3.61	91	0.1	100.0	100.0	100.0	3,478	26,489	8.55
All crop farms.....	4,025	19.9	33.4	34.5	35.0	166	1,628,274	6.12	3.69	36	(Z)	39.6	9.1	13.7	2,331	3,129	7.40
All livestock farms.....	5,577	23.1	46.3	48.2	46.9	173	2,212,992	6.20	3.59	40	0.2	44.0	87.3	82.5	3,683	22,120	8.66
General crop and livestock farms.....	2,427	19.7	20.1</														

USE OF FERTILIZER AND LIME

Table 6.—USE AND EXPENDITURES FOR FERTILIZER AND LIME OF COMMERCIAL FARMS BY TYPE OF FARM, BY ECONOMIC

AREAS: CENSUS OF 1954—Continued

State, economic area, and type of farm	Fertilizer									Lime							
	Farms reporting use of fertilizer	Acres fertilized as a percent of total cropland plus improved pasture	Percent distribution of—			Quantity used per acre fertilized (lb.)	Expenditures (dollars)			Farms reporting use of lime	Acres limed as a percent of total cropland plus improved pasture	Percent distribution of—			Quantity used per acre limed (lb.)	Expenditures (dollars)	
			Farms reporting fertilizer	Fertilizer used	Acres fertilized		For fertilizer	Per acre fertilized	Per cent. of fertilizer used			Farms reporting lime	Lime used	Acres limed		For lime	Per acre limed
Mississippi—Continued																	
Area 1.....	39,675	58.7	100.0	100.0	100.0	216	11,882,295	8.99	4.16	355	1.5	100.0	100.0	100.0	2,234	197,208	5.66
All crop farms.....	39,224	59.9	98.9	95.0	94.5	217	11,356,617	9.10	4.18	323	1.1	91.0	68.1	63.6	2,390	146,142	6.59
All livestock farms.....	289	44.4	0.7	2.5	2.9	185	270,008	7.09	3.84	24	13.9	6.8	29.6	34.3	1,928	43,101	3.61
General crop and livestock farms.....	150	44.2	0.4	2.5	2.6	207	253,665	7.42	3.58	8	0.9	2.3	2.3	2.1	2,517	7,965	11.14
All other farms.....	12	14.3	(2)	(2)	(2)	224	2,005	5.90	2.64	...	...	...	...	...	...	...	...
Area 2.....	25,286	47.5	100.0	100.0	100.0	343	6,388,635	9.74	2.84	725	2.9	100.0	100.0	100.0	1,698	178,072	4.41
All crop farms.....	23,510	53.5	93.0	82.8	80.8	351	5,313,052	10.02	2.86	419	1.6	57.8	43.7	38.8	1,909	78,200	4.98
All livestock farms.....	1,458	32.2	5.8	14.2	15.8	308	886,148	8.54	2.77	269	7.2	37.1	52.0	57.4	1,537	90,705	3.91
General crop and livestock farms.....	272	34.9	1.1	2.8	3.1	310	178,021	8.73	2.81	28	2.2	3.9	4.0	3.2	2,108	7,915	6.08
All other farms.....	46	20.1	0.2	0.2	0.3	262	11,414	6.69	2.56	9	2.4	1.2	0.4	0.5	1,239	1,252	6.11
Areas 3 and A.....	11,785	41.2	100.0	100.0	100.0	345	2,950,381	9.10	2.64	715	3.4	100.0	100.0	100.0	1,437	123,857	4.65
All crop farms.....	8,861	56.6	75.2	58.7	56.3	360	1,746,033	9.57	2.66	182	1.6	25.5	20.0	19.6	1,466	26,848	5.14
All livestock farms.....	2,238	30.6	19.0	33.0	36.0	316	961,252	8.23	2.61	441	4.6	61.7	66.5	66.0	1,449	83,894	4.77
General crop and livestock farms.....	587	38.7	5.0	7.3	6.6	382	215,647	10.15	2.66	75	3.7	10.5	9.4	7.7	1,761	8,427	4.11
All other farms.....	99	13.2	0.8	1.0	1.2	290	27,449	7.14	2.46	17	6.2	2.4	4.1	6.7	867	4,688	2.61
Area 4.....	15,778	59.1	100.0	100.0	100.0	381	3,666,653	9.43	2.47	734	2.0	100.0	100.0	100.0	1,536	50,961	3.82
All crop farms.....	13,427	63.5	85.1	82.7	81.6	387	3,026,513	9.54	2.47	456	1.5	62.1	53.4	54.4	1,509	28,714	3.96
All livestock farms.....	1,577	45.1	10.0	12.2	13.1	355	460,271	9.01	2.54	215	4.2	29.3	35.8	36.0	1,529	15,558	3.24
General crop and livestock farms.....	690	47.8	4.4	4.6	4.8	364	167,974	8.98	2.46	58	1.9	7.9	5.5	5.6	1,512	4,039	5.39
All other farms.....	84	29.0	0.5	0.4	0.4	384	11,895	7.23	1.88	5	9.4	0.7	5.2	4.0	2,000	2,650	5.00
Area 5.....	10,812	40.6	100.0	100.0	100.0	337	2,384,874	8.11	2.40	257	1.7	100.0	100.0	100.0	1,939	47,571	3.83
All crop farms.....	8,537	53.6	79.0	64.9	62.7	349	1,545,935	8.38	2.40	104	1.0	40.5	25.5	26.9	1,623	11,677	3.50
All livestock farms.....	1,811	29.4	16.7	28.9	31.3	312	680,072	7.40	2.37	140	2.7	54.5	72.2	68.2	2,053	33,697	3.98
General crop and livestock farms.....	418	26.9	3.9	5.8	5.7	342	147,586	8.81	2.58	13	1.0	5.1	5.3	4.9	2,099	2,197	3.61
All other farms.....	46	18.9	0.4	0.5	0.3	493	11,281	11.99	2.43	...	...	...	...	...	...	...	...
Area 6a.....	21,932	62.6	100.0	100.0	100.0	373	5,539,558	9.45	2.53	1,179	3.7	100.0	100.0	100.0	1,578	158,945	4.61
All crop farms.....	17,715	70.7	80.8	72.4	71.7	377	4,011,287	9.55	2.53	438	1.2	37.2	21.1	20.0	1,662	36,312	5.26
All livestock farms.....	3,236	48.1	14.8	21.9	22.5	364	1,214,490	9.21	2.53	620	8.8	52.6	68.3	70.1	1,538	103,955	4.30
General crop and livestock farms.....	801	54.2	3.7	4.8	5.1	354	267,949	8.95	2.53	118	4.5	10.0	9.9	7.3	2,140	17,398	6.94
All other farms.....	180	29.7	0.8	0.9	0.7	467	45,832	11.29	2.42	3	6.5	0.3	6.7	2.6	436	1,280	1.44
Area 6b.....	9,810	61.4	100.0	100.0	100.0	361	2,389,425	9.19	2.55	535	3.6	100.0	100.0	100.0	1,640	62,939	4.15
All crop farms.....	7,254	70.4	73.9	67.2	66.5	365	1,615,477	9.35	2.56	169	1.0	31.6	18.5	16.2	1,875	13,500	5.51
All livestock farms.....	1,731	48.3	17.6	23.0	24.2	343	544,352	8.64	2.52	235	6.7	43.9	56.4	57.8	1,602	33,854	3.86
General crop and livestock farms.....	650	59.2	6.6	8.5	8.1	381	199,972	9.53	2.50	108	9.2	20.2	20.3	21.4	1,553	11,540	3.56
All other farms.....	175	25.6	1.8	1.2	1.2	362	29,624	9.26	2.56	23	5.7	4.3	4.9	4.7	1,694	4,045	5.68
Area 7.....	2,620	67.0	100.0	100.0	100.0	458	1,444,677	9.39	2.05	320	5.9	100.0	100.0	100.0	1,572	68,602	5.08
All crop farms.....	1,215	80.3	46.4	58.9	50.8	531	760,398	9.73	1.83	51	2.1	15.9	17.1	15.3	1,758	11,857	5.73
All livestock farms.....	1,059	59.5	40.4	30.4	36.1	386	510,784	9.19	2.38	186	8.7	58.1	57.3	60.1	1,497	41,494	5.11
General crop and livestock farms.....	298	61.7	11.4	9.2	10.4	406	147,303	9.24	2.28	59	8.2	18.4	16.6	15.6	1,676	11,753	5.57
All other farms.....	48	31.3	1.8	1.5	2.7	251	26,192	6.40	2.55	24	9.2	7.5	8.9	8.9	1,577	3,498	2.90
Area 8.....	543	48.6	100.0	100.0	100.0	462	226,112	10.49	2.27	104	4.6	100.0	100.0	100.0	1,552	12,420	6.03
All crop farms.....	62	73.4	11.4	13.5	14.9	419	32,295	10.06	2.40	15	2.6	14.4	4.4	5.6	1,217	550	4.78
All livestock farms.....	371	46.6	68.3	70.3	68.2	476	154,229	10.49	2.20	83	5.8	79.8	90.9	88.3	1,597	10,930	6.01
General crop and livestock farms.....	55	47.1	10.1	9.7	11.5	388	21,585	8.70	2.24	5	0.5	4.8	1.6	1.2	2,000	190	7.60
All other farms.....	55	37.1	10.1	6.5	5.4	561	18,003	15.49	2.76	1	3.2	1.0	3.1	4.9	1,000	750	7.50
Missouri, total.....	98,473	35.2	100.0	100.0	100.0	220	43,235,722	7.35	3.34	28,346	3.8	100.0	100.0	100.0	4,312	4,183,018	6.51
All crop farms.....	24,164	37.6	24.5	27.9	29.4	209	12,445,310	7.19	3.45	5,570	3.2	19.7	22.3	23.0	4,184	945,285	6.39
All livestock farms.....	62,110	33.7	63.1	60.0	57.5	229	25,593,220	7.56	3.30	18,953	4.2	66.9	64.9	64.9	4,314	2,694,700	6.46
General crop and livestock farms.....	11,897	37.0	12.1	12.0	13.0	203	5,154,769	6.75	3.32	3,774	3.7	13.3	12.6	12.0	4,540	535,599	6.97
All other farms.....	302	22.0	0.3	0.1	0.1	377	42,423	11.55	3.07	49	6.1	0.2	0.2	0.2	4,627	7,434	7.29
Areas 1 and A.....	10,111	25.8	100.0	100.0	100.0	212	5,761,462	8.39	3.96	3,735	3.8	100.0	100.0	100.0	3,777	578,712	5.80
All crop farms.....	1,985	27.8	19.6	21.3	25.6	176	1,373,159	7.81	4.43	507	2.2	13.6	13.9	13.9	3,801	76,214	5.51
All livestock farms.....	7,171	25.2	70.9	71.1	66.3	227	3,951,199	8.67	3.82	2,884	4.4	77.2	78.1	78.9	3,739	458,854	5.83
General crop and livestock farms.....	889	24.9	8.8	7.3	8.0	194	423,489	7.73	3.99	333	3.3	8.9	7.9	7.2	4,143	43,044	6.01
All other farms.....	66	50.7	0.7	0.3	0.1	622	13,615	18.91	3.04	11	6.0	0.3	0.1	0.1	4,706	600	7.06
Area 2a.....	13,394	26.1	100.0	100.0	100.0	220	5,338,638	7.78	3.53	5,325	4.5	100.0	100.0	100.0	4,127	777,222	6.51
All crop farms.....	2,653	26.0	19.8	22.3	24.7	198	1,205,791	7.11	3.58	908	3.4	17.1	18.8	18.8	4,137	168,653	7.52
All livestock farms.....	9,028	26.6	67.4	67.8	64.0	234	3,579,726	8.16	3.49	3,832	5.2	72.0	71.5	72.3	4,081	539,585	6.25
General crop and livestock farms.....	1,708	23.7	12.8	9.9	11.3	193	552,996	7.13	3.69	580	3.2	10.9	9.6	8.8	4,492	68,484	6.52
All other farms.....	5	33.3	(2)	(2)	(2)	400	125	25.00	6.25	5	7.0	0.1	0.1	0.1	4,000	500	4.76
Area 2b.....	15,356	38.6	100.0	100.0	100.0	249	9,368,901	8.40	3.37	7,293	6.3	100.0	100.0	100.0	4,902	1,287,405	7.11
All crop farms.....	4,022	36.7	26.2	27.5	29.2	235	2,599,768	8.00	3.40	1,922	5.7	26.4	28.0	28.1	4,892	346,740	6.82
All livestock farms.....	9,433	39.9	61.4	61.9	59.3	260											

USE OF FERTILIZER AND LIME

Table 6.—USE AND EXPENDITURES FOR FERTILIZER AND LIME OF COMMERCIAL FARMS BY TYPE OF FARM, BY ECONOMIC AREAS: CENSUS OF 1954—Continued

State, economic area, and type of farm	Fertilizer									Lime							
	Farms reporting use of fertilizer	Acres fertilized as a percent of total cropland plus improved pasture	Percent distribution of—			Quantity used per acre fertilized (lb.)	Expenditures (dollars)			Farms reporting use of lime	Acres limed as a percent of total cropland plus improved pasture	Percent distribution of—			Expenditures (dollars)		
			Farms reporting fertilizer	Fertilizer used	Acres fertilized		For fertilizer	Per acre fertilized	Per cent. of fertilizer used			Farms reporting lime	Lime used	Acres limed	Quantity used per acre limed (lb.)	For lime	Per acre limed
Missouri—Continued																	
Area 4.....	5,401	50.6	100.0	100.0	100.0	200	2,030,569	5.53	2.76	905	2.1	100.0	100.0	100.0	3,793	82,981	5.47
All crop farms.....	987	61.7	18.3	31.6	32.8	193	655,171	5.43	2.82	217	2.1	24.0	26.3	27.4	3,631	22,177	5.33
All livestock farms.....	3,774	44.8	69.9	54.0	53.6	202	1,083,831	5.51	2.73	589	2.1	65.1	58.0	60.1	3,663	49,341	5.42
General crop and livestock farms.....	630	55.3	11.7	14.3	13.5	211	291,057	5.85	2.77	99	2.1	10.9	15.7	12.5	4,771	11,463	6.05
All other farms.....	10	25.0	0.2	(2)	(2)	500	510	12.75	2.55	...	...	...	...	...	...	...	...
Area 5.....	5,993	34.3	100.0	100.0	100.0	213	1,884,090	6.76	3.17	1,225	2.9	100.0	100.0	100.0	4,335	152,596	6.53
All crop farms.....	423	49.7	7.1	8.5	9.8	185	163,735	6.01	3.25	68	3.0	5.6	6.1	7.0	3,769	9,720	5.91
All livestock farms.....	4,841	32.3	80.8	79.5	76.8	221	1,486,821	6.95	3.15	993	2.8	81.1	81.5	79.2	4,463	125,579	6.79
General crop and livestock farms.....	714	39.4	11.9	11.9	13.4	190	232,379	6.21	3.27	164	3.4	13.4	12.4	13.8	3,889	17,297	5.37
All other farms.....	15	19.3	0.3	0.1	(2)	338	1,155	8.88	2.62	...	...	...	...	...	...	...	...
Areas 6 and B.....	10,835	36.1	100.0	100.0	100.0	240	3,970,694	7.50	3.12	3,191	3.1	100.0	100.0	100.0	4,694	296,614	6.58
All crop farms.....	1,589	32.6	14.7	15.1	16.5	220	623,803	7.12	3.24	431	2.6	13.5	14.0	15.3	4,291	39,812	5.78
All livestock farms.....	7,331	37.0	67.7	69.2	67.4	247	2,712,295	7.60	3.08	2,179	3.2	68.3	68.9	68.1	4,751	207,590	6.76
General crop and livestock farms.....	1,805	36.5	16.7	15.4	15.9	232	621,811	7.37	3.18	571	3.2	17.9	17.0	16.5	4,835	48,602	6.55
All other farms.....	110	18.6	1.0	0.3	0.2	394	12,785	13.11	3.33	10	1.1	0.3	0.1	0.1	4,000	610	10.17
Area 7.....	10,879	34.1	100.0	100.0	100.0	222	2,827,420	6.40	2.88	1,399	1.6	100.0	100.0	100.0	3,578	109,665	5.37
All crop farms.....	377	46.0	3.5	4.8	5.2	203	124,422	5.39	2.65	51	3.2	3.6	4.6	7.9	2,106	4,860	3.03
All livestock farms.....	9,633	32.5	88.5	85.6	83.9	226	2,430,344	6.56	2.90	1,199	1.4	85.7	83.0	81.0	3,667	91,211	5.51
General crop and livestock farms.....	827	47.3	7.6	9.4	10.8	193	267,629	5.59	2.90	138	2.2	9.9	12.3	11.0	3,981	13,434	5.95
All other farms.....	42	8.9	0.4	0.2	0.1	460	5,025	12.85	2.79	11	0.7	0.8	0.1	0.1	3,333	160	5.33
Area 8.....	3,221	30.9	100.0	100.0	100.0	255	974,090	7.54	2.96	654	3.2	100.0	100.0	100.0	4,550	83,110	6.20
All crop farms.....	278	39.4	8.6	7.3	8.5	219	72,245	6.56	2.99	42	2.4	6.4	5.9	5.0	5,414	4,563	6.85
All livestock farms.....	2,657	29.7	82.5	84.5	81.7	264	817,122	7.74	2.94	581	3.4	88.8	89.7	90.5	4,513	74,182	6.11
General crop and livestock farms.....	269	38.8	8.4	8.0	9.5	214	82,842	6.75	3.15	30	1.3	4.6	3.0	3.1	4,537	3,165	7.72
All other farms.....	17	14.6	0.5	0.2	0.3	196	1,881	5.42	2.77	1	8.4	0.2	1.3	1.5	4,000	1,200	6.00
Area 9a.....	4,433	35.6	100.0	100.0	100.0	221	1,688,886	7.26	3.28	752	2.9	100.0	100.0	100.0	4,265	162,023	8.42
All crop farms.....	3,244	37.0	73.2	69.5	68.9	223	1,176,005	7.34	3.29	404	2.2	53.7	49.3	50.3	4,178	70,584	7.30
All livestock farms.....	573	29.3	12.9	12.4	13.1	211	204,278	6.73	3.20	163	4.5	21.7	22.0	24.3	3,858	28,081	6.00
General crop and livestock farms.....	606	35.5	13.7	18.0	17.9	223	307,528	7.38	3.32	185	4.2	24.6	28.7	25.4	4,827	63,358	12.97
All other farms.....	10	75.0	0.2	0.1	0.1	173	1,075	4.22	2.44	...	...	...	...	...	...	...	...
Area 9b.....	6,171	37.3	100.0	100.0	100.0	253	3,209,854	9.05	3.58	543	2.4	100.0	100.0	100.0	3,271	135,707	5.94
All crop farms.....	5,838	37.7	94.6	90.3	90.7	252	2,894,075	9.00	3.57	414	2.1	76.2	77.3	79.6	3,179	102,882	5.66
All livestock farms.....	81	22.6	1.3	1.5	1.6	233	43,720	7.69	3.31	31	6.2	5.7	6.7	6.8	3,226	12,650	8.16
General crop and livestock farms.....	252	37.8	4.1	8.2	7.7	269	272,059	9.95	3.70	98	4.3	18.0	16.0	13.6	3,838	20,175	6.50
All other farms.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Montana, total.....	6,027	4.2	100.0	100.0	100.0	86	2,186,223	3.47	4.06	40	(2)	100.0	100.0	100.0	730	1,306	2.19
All crop farms.....	2,883	4.3	47.8	54.9	71.0	66	1,238,519	2.77	4.18	30	(2)	75.0	34.4	51.9	484	635	2.05
All livestock farms.....	2,306	3.6	38.3	33.5	22.3	129	689,541	4.91	3.82	8	(2)	20.0	36.7	12.4	2,162	326	4.41
General crop and livestock farms.....	796	6.3	13.2	11.3	6.6	145	253,127	6.05	4.16	2	(2)	5.0	28.9	35.7	592	345	1.62
All other farms.....	42	5.1	0.7	0.2	0.1	274	5,036	10.60	3.87	...	...	...	...	...	...	...
Area 1a.....	1,229	8.9	100.0	100.0	100.0	146	275,641	5.39	3.69	36	0.1	100.0	100.0	100.0	533	975	2.00
All crop farms.....	424	12.5	34.5	38.3	37.4	149	101,855	5.32	3.56	30	0.2	83.3	57.7	63.5	484	635	2.05
All livestock farms.....	604	7.7	49.1	47.3	50.5	137	129,128	5.00	3.66	5	(2)	13.9	3.8	2.0	1,000	40	4.00
General crop and livestock farms.....	170	7.5	13.8	12.8	11.2	166	39,823	6.93	4.17	1	0.2	2.8	38.5	34.4	595	300	1.79
All other farms.....	31	6.1	2.5	1.6	0.8	287	4,835	11.38	3.96	...	...	...	...	...	...	...
Area 1b.....	933	4.9	100.0	100.0	100.0	122	324,108	4.69	3.84	2	(2)	100.0	100.0	100.0	1,824	315	3.46
All crop farms.....	243	7.3	26.0	31.6	38.2	101	110,354	4.19	4.14	...	...	...	...	...	...	...
All livestock farms.....	545	3.6	58.4	57.1	49.4	141	174,203	5.11	3.61	1	(2)	50.0	84.3	50.5	3,043	270	5.87
General crop and livestock farms.....	145	8.0	15.5	11.3	12.4	111	39,551	4.60	4.15	1	(2)	50.0	15.7	49.5	578	45	1.00
All other farms.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Area 2a.....	1,318	8.0	100.0	100.0	100.0	43	542,556	1.83	4.28	...	...	...	...	...	...	...
All crop farms.....	995	8.6	75.5	80.1	88.5	39	447,408	1.70	4.41	...	...	...	...	...	...	...
All livestock farms.....	256	4.9	19.4	16.0	9.4	73	74,417	2.67	3.68	...	...	...	...	...	...	...
General crop and livestock farms.....	57	7.7	4.3	3.8	2.1	79	20,581	3.32	4.23	...	...	...	...	...	...	...
All other farms.....	10	60.0	0.8	(2)	(2)	400	150	10.00	2.50	...	...	...	...	...	...	...
Area 2b.....	1,067	1.7	100.0	100.0	100.0	76	380,575	3.12	4.09	1	(2)	100.0	100.0	100.0	1,000	8	1.00
All crop farms.....	592	1.5	55.5	52.7	74.3	54	201,835	2.23	4.12	...	...	...	...	...	...	...
All livestock farms.....	344	2.4	32.2	35.0	19.0	141	132,509	5.73	4.06	1	(2)	100.0	100.0	100.0	1,000	8	1.00
General crop and livestock farms.....	130	4.4	12.2	12.3	6.7	139	46,180	5.63	4.05	...	...	...	...	...	...	...
All other farms.....	1	5.1	0.1	(2)	(2)	57	51	1.46	2.55	...	...	...	...	...	...	...
Area 3a.....	1,025	5.5	100.0	100.0	100.0	201	459,679	8.52	4.24	...	...	...	...	...	...	...
All crop farms.....	437	5.3	42.6	57.0	52.7	217	264,076	9.29	4.28	...	...	...	...	...	...	...
All livestock farms.....	356	4.8	34.7	24.0	29.0	166	106,385	6.80	4.09	...	...	...	...	...	...	...
General crop and livestock farms.....	232	8.0	22.6	19.0	18.3	208	89,218	9.02	4.33	...	...	...	...	...	...	...
All other farms.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Area 3b.....	455	3.3	100.0	100.0	100.0	139	203,664	5.50	3.94	1	(2)	100.0	100.0	100.0	200	8	0.80
All crop farms.....	192	6.2	42.2	55.2	53.7	143	112,991	5.68	3.96	...	...	...	...	...	...	...
All livestock farms.....	201	1.9	44.2	35.3	37.6	131	72,899	5.24	4.00	1	(2)	100.0	100.0	100.0	200	8	0.80
General crop and livestock farms.....																	

Table 6.—USE AND EXPENDITURES FOR FERTILIZER AND LIME OF COMMERCIAL FARMS BY TYPE OF FARM, BY ECONOMIC

AREAS: CENSUS OF 1954—Continued

State, economic area, and type of farm	Fertilizer									Lime							
	Farms reporting use of fertilizer	Acres fertilized as a percent of total cropland plus improved pasture	Percent distribution of—			Quantity used per acre fertilized (lb.)	Expenditures (dollars)			Farms reporting use of lime	Acres limed as a percent of total cropland plus improved pasture	Percent distribution of—			Quantity used per acre limed (lb.)	Expenditures (dollars)	
			Farms reporting fertilizer	Fertilizer used	Acres fertilized		For fertilizer	Per acre fertilized	Per cent. of fertilizer used			Lime used	Acres limed	For lime		Per acre limed	
Nebraska, total.....	41,984	12.9	100.0	100.0	100.0	146	21,377,554	7.19	4.92	5,868	0.7	100.0	100.0	100.0	3,602	1,274,779	8.01
All crop farms.....	16,475	13.7	39.2	41.4	42.9	141	9,034,909	7.07	5.02	2,406	0.7	41.0	41.7	42.0	3,580	539,245	8.07
All livestock farms.....	19,466	12.1	46.4	46.5	45.1	151	9,784,882	7.29	4.84	2,771	0.7	47.2	46.6	47.5	3,533	605,167	8.00
General crop and livestock farms.....	6,012	13.9	14.3	12.1	12.0	147	2,552,292	7.18	4.87	691	0.7	11.8	11.7	10.5	4,004	130,367	7.81
All other farms.....	31	3.3	0.1	(2)	(2)	1,413	5,871	78.28	5.54	...	...	...	...	...	...	...	...
Area 1.....	1,392	1.9	100.0	100.0	100.0	135	404,108	5.82	4.30	35	(2)	100.0	100.0	100.0	2,217	6,114	7.70
All crop farms.....	168	3.6	12.1	17.0	20.7	111	85,992	5.98	5.38	5	(2)	14.3	10.2	6.3	3,600	490	9.80
All livestock farms.....	971	1.5	69.8	64.4	66.3	132	238,832	5.19	3.94	25	(2)	71.4	78.4	84.3	2,063	4,874	7.29
General crop and livestock farms.....	252	3.8	18.1	18.5	13.0	192	79,138	8.75	4.55	5	(2)	14.3	11.4	9.4	2,667	750	10.00
All other farms.....	1	0.9	0.1	(2)	(2)	400	146	14.60	3.65	...	...	...	...	...	...	...	...
Area 2.....	1,884	3.0	100.0	100.0	100.0	188	792,336	8.41	4.47	1	(2)	100.0	100.0	100.0	1,000	2	1.00
All crop farms.....	868	1.9	46.1	40.6	42.7	179	325,343	8.09	4.52	1	(2)	100.0	100.0	100.0	1,000	2	1.00
All livestock farms.....	491	3.9	26.1	32.2	30.3	200	250,225	8.76	4.39	...	...	...	...	...	...	...	...
General crop and livestock farms.....	525	11.2	27.9	27.3	27.0	190	216,768	8.52	4.49	...	...	...	...	...	...	...	...
All other farms.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Area 3a.....	4,635	11.6	100.0	100.0	100.0	154	2,727,681	8.51	5.52	87	0.1	100.0	100.0	100.0	2,763	12,335	5.68
All crop farms.....	1,461	17.6	31.5	39.0	37.6	160	1,098,145	9.12	5.70	6	(2)	6.9	6.3	9.4	1,854	1,070	5.22
All livestock farms.....	2,269	8.9	49.0	44.3	45.7	149	1,180,095	8.05	5.39	55	0.1	63.2	84.8	79.0	2,966	9,593	5.59
General crop and livestock farms.....	895	12.5	19.3	16.6	16.7	153	447,941	8.38	5.46	26	0.1	29.9	8.9	11.6	2,120	1,672	6.66
All other farms.....	10	100.0	0.2	0.1	(2)	2,500	1,500	75.00	3.00	...	...	...	...	...	...	...	...
Area 3b.....	6,934	16.2	100.0	100.0	100.0	141	3,171,100	6.88	4.89	747	0.8	100.0	100.0	100.0	2,812	184,289	7.86
All crop farms.....	1,267	14.8	18.3	17.0	18.3	133	527,161	6.34	4.77	172	0.8	23.0	20.3	19.3	2,964	40,807	9.03
All livestock farms.....	4,642	16.9	66.9	69.9	67.9	145	2,245,248	7.17	4.95	545	1.0	73.0	76.0	77.5	2,758	137,752	7.59
General crop and livestock farms.....	1,025	15.0	14.8	13.1	14.0	131	398,691	6.17	4.70	30	0.2	4.0	3.7	3.2	3,219	5,730	7.59
All other farms.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Area 4.....	3,083	7.9	100.0	100.0	100.0	148	1,707,170	7.47	5.04	93	0.1	100.0	100.0	100.0	2,867	26,450	7.15
All crop farms.....	1,693	7.4	54.9	51.8	53.8	143	875,911	7.12	4.99	30	0.1	32.3	25.1	41.4	1,739	7,060	4.61
All livestock farms.....	1,033	9.4	33.5	39.4	37.1	157	681,445	8.02	5.10	53	0.2	57.0	71.0	55.8	3,650	17,990	8.72
General crop and livestock farms.....	352	6.7	11.4	8.8	9.0	144	149,064	7.22	5.01	10	(2)	10.8	3.9	2.8	3,905	1,400	13.33
All other farms.....	5	66.7	0.2	0.1	(2)	2,000	750	75.00	3.75	...	...	...	...	...	...	...	...
Area 5.....	8,171	22.0	100.0	100.0	100.0	128	4,421,145	6.71	5.25	1,549	1.4	100.0	100.0	100.0	3,816	395,570	9.25
All crop farms.....	5,058	21.4	61.9	65.0	64.7	128	2,869,096	6.73	5.25	877	1.2	56.6	56.7	56.7	3,815	238,460	9.34
All livestock farms.....	2,042	26.1	25.0	24.8	24.7	128	1,094,134	6.72	5.24	487	2.1	31.4	29.3	30.9	3,617	110,905	8.39
General crop and livestock farms.....	1,061	18.7	13.0	10.2	10.5	124	457,440	6.60	5.34	185	1.4	11.9	14.0	12.4	4,311	46,205	8.71
All other farms.....	10	1.5	0.1	(2)	(2)	1,600	475	47.50	2.97	...	...	...	...	...	...	...	...
Area 6.....	6,531	22.1	100.0	100.0	100.0	166	3,512,719	7.49	4.52	539	0.8	100.0	100.0	100.0	3,077	167,953	9.49
All crop farms.....	1,936	24.4	23.5	28.4	28.7	164	980,391	7.29	4.43	173	1.4	32.1	36.7	43.2	2,615	59,295	7.75
All livestock farms.....	4,389	21.5	67.2	62.0	62.4	164	2,197,853	7.51	4.56	331	0.7	61.4	59.2	53.3	3,415	102,083	10.81
General crop and livestock farms.....	606	20.4	9.3	9.6	8.9	178	334,475	7.98	4.48	35	0.3	6.5	4.1	3.4	3,639	6,575	10.78
All other farms.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Areas 7, A, and B.....	9,354	25.3	100.0	100.0	100.0	145	4,641,295	6.90	4.77	2,817	2.6	100.0	100.0	100.0	3,957	482,066	7.03
All crop farms.....	4,424	24.9	47.3	47.8	49.8	139	2,272,470	6.78	4.88	1,142	2.1	40.5	40.6	41.8	3,847	192,061	6.70
All livestock farms.....	3,629	27.8	38.8	41.7	39.6	152	1,897,050	7.12	4.67	1,275	3.2	45.3	45.3	44.2	4,054	221,970	7.32
General crop and livestock farms.....	1,296	20.1	13.9	10.4	10.6	143	468,775	6.59	4.61	400	2.7	14.2	14.1	14.0	3,980	68,035	7.09
All other farms.....	5	7.5	0.1	(2)	(2)	640	3,000	120.00	18.75	...	...	...	...	...	...	...	...
Nevada, total (Area 1).....	381	3.4	100.0	100.0	100.0	226	252,529	8.89	3.92	6	(2)	100.0	100.0	100.0	7,647	615	36.18
All crop farms.....	58	30.1	15.2	39.5	27.7	323	105,445	13.40	4.15	...	...	...	...	...	...	...	...
All livestock farms.....	261	2.0	68.5	45.2	53.7	191	103,290	6.78	3.55	6	(2)	100.0	100.0	100.0	7,647	615	36.18
General crop and livestock farms.....	62	8.2	16.3	15.3	18.6	186	43,794	8.27	4.45	...	...	...	...	...	...	...	...
All other farms.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
New Hampshire, total.....	2,444	20.3	100.0	100.0	100.0	516	810,052	13.09	2.54	996	4.9	100.0	100.0	100.0	2,276	92,578	6.24
All crop farms.....	222	61.8	9.1	33.2	18.7	915	257,325	22.22	2.43	105	14.1	10.5	20.8	17.8	2,663	17,305	6.55
All livestock farms.....	1,925	17.9	78.8	60.2	72.6	428	491,135	10.94	2.55	817	4.4	82.0	74.0	74.0	2,275	70,061	6.98
General crop and livestock farms.....	103	16.6	4.2	4.6	6.2	389	48,692	12.80	3.28	26	2.2	2.6	3.1	3.4	2,040	3,496	6.32
All other farms.....	194	13.1	7.9	1.9	2.6	386	12,900	8.10	2.10	48	5.9	4.8	2.2	4.8	1,020	1,716	2.41
Area 1.....	1,136	22.6	100.0	100.0	100.0	597	484,969	14.57	2.44	397	4.1	100.0	100.0	100.0	2,535	39,628	6.52
All crop farms.....	76	75.3	6.7	41.5	22.3	1,110	192,450	25.89	2.33	40	11.8	10.1	24.9	19.1	3,310	8,355	7.20
All livestock farms.....	933	19.5	82.1	51.6	68.3	451	253,011	11.12	2.47	331	3.8	83.4	68.8	73.1	2,386	27,962	6.29
General crop and livestock farms.....	55	20.0	4.8	5.6	8.6	387	33,450	11.74	3.03	20	2.9	5.0	5.4	6.9	2,000	2,975	7.08
All other farms.....	72	4.2	6.3	1.4	0.8	1,042	6,058	23.21	2.23	6	0.9	1.5	0.8	0.9	2,291	336	6.11
Areas 2 and A.....	1,308	18.1	100.0	100.0	100.0	421	325,083	11.38	2.70	599	5.6	100.0	100.0	100.0	2,096	52,950	6.05
All crop farms.....	146	46.8	11.2	19.5	14.5	567	64,875	15.63	2.76	65	16.7	10.9	17.4	16.9	2,155	8,950	6.05
All livestock farms.....	992	16.5	75.8	74.5	77.5	405	238,124	10.76	2.65	486	4.9	81.1	78.3	74.6	2,199	42,099	6.45
General crop and livestock farms.....	48	11.1	3.7	3.1	3.3	396	15,242	15.96	4.03	6	1.0	1.0	1.0	2,235	521	6.13	
All other farms.....	122	22.3	9.3	2.8	4.7	257	6,842	5.14	2.00	42	11.0	7.0	3.3	7.5	913	1,380	2.10
New Jersey, total.....	10,781	56.6	100.0	100.0	100.0	779	11,564,437	19.47	2.50	5,216	11.4	100.					

USE OF FERTILIZER AND LIME

Table 6.—USE AND EXPENDITURES FOR FERTILIZER AND LIME OF COMMERCIAL FARMS BY TYPE OF FARM, BY ECONOMIC AREAS: CENSUS OF 1954—Continued

State, economic area, and type of farm	Fertilizer									Lime							
	Farms reporting use of fertilizer	Acres fertilized as a percent of total cropland plus improved pasture	Percent distribution of—			Quantity used per acre fertilized (lb.)	Expenditures (dollars)			Farms reporting use of lime	Acres limed as a percent of total cropland plus improved pasture	Percent distribution of—			Quantity used per acre limed (lb.)	Expenditures (dollars)	
			Farms reporting use of fertilizer	Fertilizer used	Acres fertilized		For fertilizer	Per acre fertilized	Per cent. of fertilizer used			Farms reporting use of lime	Lime used	Acres limed		For lime	Per acre limed
New Jersey—Continued																	
Areas 1, A, B, and C.....	5,901	51.4	100.0	100.0	100.0	604	4,845,616	14.88	2.47	2,661	9.3	100.0	100.0	100.0	1,701	433,191	7.35
All crop farms.....	1,571	72.0	26.6	43.9	29.4	902	2,112,300	22.08	2.45	600	15.7	22.5	24.6	35.2	1,186	119,195	5.73
All livestock farms.....	3,530	44.5	59.8	45.2	62.0	440	2,175,376	10.77	2.45	1,767	7.4	66.4	65.9	57.2	1,960	268,581	7.96
General crop and livestock farms.....	298	62.2	5.0	6.8	6.4	633	333,435	15.90	2.51	128	9.7	4.8	6.8	5.6	2,095	27,390	8.36
All other farms.....	502	54.6	8.5	4.1	2.1	1,163	224,505	32.26	2.77	166	9.3	6.2	2.7	2.0	2,280	18,205	15.28
Areas 2, D, E, and F.....	4,880	64.4	100.0	100.0	100.0	992	6,718,821	25.04	2.52	2,555	14.6	100.0	100.0	100.0	1,904	558,471	9.19
All crop farms.....	2,725	72.4	55.8	72.8	59.4	1,216	4,901,796	30.75	2.53	1,168	16.2	45.7	57.3	58.7	1,857	283,671	7.95
All livestock farms.....	1,671	54.7	34.2	21.2	33.8	624	1,415,870	15.62	2.50	1,166	13.2	45.6	37.2	36.1	1,960	232,525	10.59
General crop and livestock farms.....	259	61.0	5.3	4.3	5.5	783	289,530	19.61	2.50	146	10.4	5.7	4.5	4.1	2,060	37,160	14.75
All other farms.....	225	54.0	4.6	1.6	1.3	1,238	111,625	31.76	2.56	75	9.0	2.9	1.0	1.0	2,034	5,115	8.74
New Mexico, total.....	2,927	10.5	100.0	100.0	100.0	247	2,359,323	10.24	4.14	2	(2)	100.0	100.0	100.0	2,966	3,602	11.22
All crop farms.....	2,115	19.5	72.3	85.8	81.0	262	2,030,501	10.88	4.16	1	(2)	50.0	99.8	99.7	2,969	3,600	11.25
All livestock farms.....	455	2.3	15.5	8.4	10.7	195	196,653	7.99	4.10	1	(2)	50.0	0.2	0.3	2,000	7.99	2.00
General crop and livestock farms.....	337	12.4	11.5	5.8	8.3	173	131,119	6.88	3.98	...	...	...	...	...	...	...	...
All other farms.....	20	1.9	0.7	(2)	(2)	550	1,050	26.25	4.77	...	...	...	...	...	...	...	...
Area 1a.....	349	14.3	100.0	100.0	100.0	153	92,181	6.27	4.11	...	...	...	...	...	...	...	...
All crop farms.....	73	14.9	20.9	33.1	20.9	241	33,230	10.81	4.48	...	...	...	...	...	...	...	...
All livestock farms.....	114	8.7	32.7	31.6	38.9	124	29,396	5.13	4.14	...	...	...	...	...	...	...	...
General crop and livestock farms.....	147	35.3	42.1	34.8	39.9	133	28,755	4.90	3.69	...	...	...	...	...	...	...	...
All other farms.....	15	17.5	4.3	0.5	0.2	343	800	22.86	6.67	...	...	...	...	...	...	...	...
Area 1b.....	126	4.8	100.0	100.0	100.0	153	33,554	6.82	4.46	...	...	...	...	...	...	...	...
All crop farms.....	56	5.4	44.4	22.9	17.6	198	6,400	7.38	3.72	...	...	...	...	...	...	...	...
All livestock farms.....	36	3.0	28.6	44.4	47.8	142	14,998	6.38	4.49	...	...	...	...	...	...	...	...
General crop and livestock farms.....	34	20.0	27.0	32.7	34.6	144	12,156	7.13	4.94	...	...	...	...	...	...	...	...
All other farms.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Area 2.....	549	1.5	100.0	100.0	100.0	195	193,307	8.64	4.42	...	...	...	...	...	...	...	...
All crop farms.....	248	2.2	45.2	49.3	50.4	191	99,999	8.87	4.64	...	...	...	...	...	...	...	...
All livestock farms.....	169	0.8	30.8	31.4	29.9	205	53,154	7.94	3.88	...	...	...	...	...	...	...	...
General crop and livestock farms.....	132	3.8	24.0	19.3	19.7	192	40,154	9.13	4.76	...	...	...	...	...	...	...	...
All other farms.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Area 3.....	1,903	36.5	100.0	100.0	100.0	263	2,040,281	10.83	4.12	2	0.1	100.0	100.0	100.0	2,966	3,602	11.22
All crop farms.....	1,738	41.8	91.3	92.3	91.0	267	1,890,872	11.03	4.13	1	(1)	50.0	99.8	99.7	2,969	3,600	11.25
All livestock farms.....	136	10.8	7.1	4.8	5.2	242	99,105	10.08	4.16	1	(2)	50.0	0.2	0.3	2,000	7.99	2.00
General crop and livestock farms.....	24	51.9	1.3	2.9	3.8	201	50,054	7.08	3.52	...	...	...	...	...	...	...	...
All other farms.....	5	0.8	0.3	(2)	(2)	2,000	250	50.00	2.50	...	...	...	...	...	...	...	...
New York, total.....	56,088	29.9	100.0	100.0	100.0	456	26,247,215	12.03	2.64	23,830	5.2	100.0	100.0	100.0	2,996	3,633,638	9.64
All crop farms.....	9,915	58.9	17.7	42.1	26.2	733	10,994,355	19.21	2.62	2,339	5.5	9.8	10.6	14.2	2,243	458,728	8.56
All livestock farms.....	41,158	24.4	73.4	48.7	64.6	344	12,686,446	9.00	2.61	19,996	5.3	83.9	84.7	81.1	3,129	3,000,166	9.82
General crop and livestock farms.....	3,603	38.3	6.4	8.1	8.7	423	2,218,585	11.70	2.77	1,097	3.2	4.6	4.3	4.2	3,066	157,042	9.90
All other farms.....	1,412	19.4	2.5	1.1	0.5	997	347,829	32.72	3.28	398	3.1	1.7	0.3	0.5	2,324	17,702	10.43
Areas 1, A, and B.....	8,547	45.5	100.0	100.0	100.0	448	4,934,986	12.07	2.70	2,180	4.6	100.0	100.0	100.0	2,827	322,342	7.87
All crop farms.....	3,409	58.1	39.9	52.3	44.4	528	2,582,670	14.23	2.70	626	3.6	28.7	30.6	27.7	3,119	102,262	9.00
All livestock farms.....	3,753	32.9	43.9	31.8	40.2	354	1,508,822	9.18	2.59	1,187	5.0	54.4	58.1	61.1	2,691	181,245	7.24
General crop and livestock farms.....	1,168	47.5	13.7	14.9	14.7	454	794,974	13.25	2.92	332	3.5	15.2	10.9	10.8	2,855	36,525	8.28
All other farms.....	217	29.6	2.5	1.0	0.8	586	48,520	15.49	2.64	35	1.7	1.6	0.4	0.5	2,757	2,310	12.49
Area 2.....	7,252	47.6	100.0	100.0	100.0	370	4,421,409	9.79	2.65	1,746	3.2	100.0	100.0	100.0	3,200	315,721	10.55
All crop farms.....	1,908	56.2	26.3	30.2	26.7	418	1,350,176	11.21	2.68	272	2.3	15.6	14.0	16.4	2,738	50,320	10.26
All livestock farms.....	4,296	43.6	59.2	52.4	57.1	340	2,276,673	8.83	2.60	1,281	3.6	73.4	74.5	71.4	3,340	226,526	10.60
General crop and livestock farms.....	982	52.5	13.5	17.0	16.0	393	750,765	10.38	2.64	192	2.6	11.0	11.4	12.0	3,025	38,750	10.76
All other farms.....	66	21.1	0.9	0.4	0.2	791	43,795	47.09	5.95	1	1.1	0.1	0.1	0.2	1,000	125	2.50
Area 3a.....	5,524	27.6	100.0	100.0	100.0	363	1,398,943	9.59	2.64	2,907	7.3	100.0	100.0	100.0	3,360	474,492	12.23
All crop farms.....	701	43.7	12.7	22.3	15.8	514	334,015	14.53	2.83	221	6.2	7.6	7.6	8.5	3,000	33,670	10.27
All livestock farms.....	4,571	26.2	82.7	74.4	80.4	336	1,018,858	8.69	2.58	2,540	7.7	87.4	89.3	88.4	3,396	426,552	12.45
General crop and livestock farms.....	207	21.2	3.7	3.1	3.7	304	43,315	7.97	2.62	131	4.6	4.5	2.8	3.1	3,105	12,630	10.66
All other farms.....	45	7.4	0.8	0.2	0.1	409	2,755	12.81	3.13	15	1.7	0.5	0.3	0.1	8,200	1,640	32.80
Area 3b.....	4,268	32.5	100.0	100.0	100.0	427	2,169,836	11.46	2.69	2,315	7.8	100.0	100.0	100.0	2,845	461,326	10.13
All crop farms.....	527	50.1	12.3	37.4	19.7	810	821,278	22.02	2.72	205	9.1	8.9	10.2	14.9	1,950	55,639	8.20
All livestock farms.....	3,406	29.7	79.8	55.0	73.7	319	1,182,888	8.48	2.66	1,985	7.8	85.7	85.3	80.3	3,023	386,732	10.57
General crop and livestock farms.....	280	33.0	6.6	6.7	6.4	449	140,040	11.65	2.59	120	5.8	5.2	4.2	4.6	2,583	17,380	8.24
All other farms.....	55	32.0	1.3	0.9	0.3	1,273	25,630	47.03	3.69	5	4.7	0.2	0.3	0.2	4,375	1,575	19.69
Areas 4 and C.....	6,248	36.5	100.0	100.0	100.0	377	2,807,196	10.21	2.71	2,200	4.8	100.0	100.0	100.0	2,653	305,369	8.48
All crop farms.....	1,012	60.4	16.2	27.8	21.5	487	808,380	13.70	2.81	109	6.1	5.0	6.0	16.6	968	21,325	3.58
All livestock farms.....	4,753	31.9	76.1	61.4	69.2	334	1,682,761	8.84	2.65	1,975	4.8	89.8	89.1	79.0	2,991	270,239	9.50
General crop and livestock farms.....	433	43.5	6.9	10.3	9.0	431	301,370	12.16	2.82	96	2.4	4.4	4.2	3.8	2,949	11,385	8.37
All other farms.....	50	29.6	0.8	0.5	0.3	616	14,685	16.69	2.71	20	7.7	0.9	0.7	0.6	2,870	2,420	10.52
Areas 5 and D.....	3,604	20.9	100.0	100.0	100.0	389											

USE OF FERTILIZER AND LIME

Table 6.—USE AND EXPENDITURES FOR FERTILIZER AND LIME OF COMMERCIAL FARMS BY TYPE OF FARM, BY ECONOMIC AREAS: CENSUS OF 1954—Continued

State, economic area, and type of farm	Fertilizer									Lime							
	Farms reporting use of fertilizer	Acres fertilized as a percent of total cropland plus improved pasture	Percent distribution of—			Quantity used per acre fertilized (lb.)	Expenditures (dollars)			Farms reporting use of lime	Acres limed as a percent of total cropland plus improved pasture	Percent distribution of—			Quantity used per acre limed (lb.)	Expenditures (dollars)	
			Farms reporting fertilizer	Fertilizer used	Acres fertilized		For fertilizer	Per acre fertilized	Per cent. of fertilizer used			Farms reporting lime	Lime used	Acres limed		For lime	Per acre limed
New York—Continued																	
Area 6 and E.....	5,733	18.8	100.0	100.0	100.0	363	1,394,177	9.46	2.61	3,981	6.7	100.0	100.0	100.0	3,152	551,716	10.42
All crop farms.....	78	49.5	1.4	10.2	4.6	810	153,740	22.82	2.82	37	7.1	0.9	1.5	1.8	2,523	20,340	21.12
All livestock farms.....	5,519	18.6	96.3	87.6	93.8	339	1,214,261	8.79	2.59	3,879	6.9	97.4	97.1	96.9	3,156	524,127	10.21
General crop and livestock farms.....	103	9.2	1.8	1.9	1.4	473	22,918	10.84	2.29	57	2.6	1.4	1.4	1.1	3,776	6,747	11.26
All other farms.....	33	5.3	0.6	0.3	0.2	491	3,258	10.12	2.06	8	1.0	0.2	0.1	0.1	3,355	502	8.10
Area 7.....	5,714	12.1	100.0	100.0	100.0	371	1,310,632	10.07	2.71	1,718	2.5	100.0	100.0	100.0	2,669	160,607	5.95
All crop farms.....	123	39.1	2.2	9.2	4.7	717	145,217	23.54	3.28	30	4.3	1.7	1.6	2.5	1,733	3,495	5.18
All livestock farms.....	5,422	11.8	94.9	88.5	93.1	353	1,137,179	9.39	2.66	1,641	2.5	95.5	96.6	96.0	2,687	154,904	5.98
General crop and livestock farms.....	120	7.4	2.1	1.8	1.8	380	22,545	9.63	2.53	35	1.1	2.0	1.5	1.3	3,118	1,825	5.37
All other farms.....	49	7.0	0.9	0.5	0.4	462	5,691	11.22	2.43	12	1.0	0.7	0.3	0.3	3,143	383	5.47
Area 8 and F.....	3,358	19.2	100.0	100.0	100.0	368	863,535	9.53	2.59	1,535	4.2	100.0	100.0	100.0	3,343	189,697	9.46
All crop farms.....	210	51.8	6.3	14.0	9.5	543	122,190	14.19	2.61	80	9.0	5.2	3.1	7.5	1,369	8,700	5.78
All livestock farms.....	2,917	18.0	86.9	78.8	85.3	340	684,400	8.86	2.61	1,393	4.2	90.7	93.5	89.0	3,514	172,920	9.70
General crop and livestock farms.....	142	16.8	4.2	4.3	4.1	386	36,465	9.87	2.55	46	3.0	3.0	3.3	3.3	3,269	7,445	11.11
All other farms.....	89	21.4	2.7	2.9	1.1	955	20,480	20.12	2.11	16	0.8	1.0	0.2	0.2	2,718	632	16.21
Area 9.....	4,132	25.4	100.0	100.0	100.0	458	1,942,088	12.27	2.68	2,825	8.0	100.0	100.0	100.0	3,104	525,784	10.50
All crop farms.....	964	60.3	23.3	36.6	29.8	563	714,320	15.16	2.69	357	10.4	12.6	15.5	16.2	2,961	80,490	9.91
All livestock farms.....	2,975	20.9	72.0	60.3	68.1	406	1,154,688	10.71	2.64	2,391	7.9	84.6	81.7	81.4	3,116	430,104	10.55
General crop and livestock farms.....	101	12.9	2.4	1.5	1.8	403	30,860	11.12	2.76	56	5.0	2.0	2.8	2.1	4,019	14,690	13.73
All other farms.....	92	9.2	2.2	1.5	0.4	1,760	42,220	67.55	3.84	21	1.9	0.7	0.1	0.3	763	500	3.82
Area G.....	1,708	75.3	100.0	100.0	100.0	2,064	3,897,225	50.78	2.46	689	8.7	100.0	100.0	100.0	1,375	86,510	9.72
All crop farms.....	857	89.3	50.2	94.9	88.8	2,206	3,647,294	53.52	2.43	346	9.3	50.2	68.5	79.7	1,181	67,905	9.57
All livestock farms.....	184	29.1	10.8	2.0	7.4	559	76,366	13.40	2.40	87	4.7	12.6	19.4	10.5	2,548	10,390	11.17
General crop and livestock farms.....	16	28.3	0.9	0.5	0.8	1,310	37,075	59.80	4.57	1	4.1	0.1	1.5	1.0	2,000	630	7.00
All other farms.....	651	59.5	38.1	2.6	3.0	1,794	136,490	59.84	3.34	255	20.5	37.0	10.7	8.8	1,669	7,585	9.66
North Carolina, total.....	174,474	69.6	100.0	100.0	100.0	587	64,517,485	14.69	2.50	21,505	4.1	100.0	100.0	100.0	1,867	1,631,910	6.23
All crop farms.....	147,021	72.7	84.3	79.5	74.0	631	51,982,486	16.00	2.54	13,199	2.6	61.4	39.1	44.1	1,656	721,443	6.25
All livestock farms.....	16,583	59.4	9.5	11.2	15.3	428	6,719,308	10.00	2.33	5,480	8.7	25.5	43.0	37.8	2,123	624,355	6.30
General crop and livestock farms.....	9,457	67.6	5.4	8.6	9.9	512	5,365,274	12.40	2.42	2,539	6.8	11.8	16.0	16.5	1,803	257,039	5.93
All other farms.....	1,413	53.1	0.8	0.7	0.8	509	450,417	12.14	2.39	287	5.9	1.3	1.9	1.6	2,269	29,073	7.10
Area 1 and A.....	12,800	37.3	100.0	100.0	100.0	555	1,853,997	12.88	2.32	3,389	8.0	100.0	100.0	100.0	2,375	121,386	3.93
All crop farms.....	8,106	41.2	63.3	56.0	47.9	648	1,068,750	15.49	2.39	1,475	5.4	43.5	32.5	29.4	2,629	34,822	3.83
All livestock farms.....	3,511	33.6	27.4	33.6	40.8	457	594,005	10.10	2.21	1,480	10.6	43.7	54.9	59.9	2,176	72,828	3.94
General crop and livestock farms.....	940	39.8	7.3	9.6	10.1	527	175,934	12.09	2.29	368	8.0	10.9	11.9	9.5	2,975	12,983	4.42
All other farms.....	243	25.1	1.9	0.8	1.1	381	15,308	9.50	2.49	66	5.7	1.9	0.7	1.2	1,339	753	2.07
Area 2.....	2,778	53.1	100.0	100.0	100.0	416	548,601	9.10	2.19	606	6.6	100.0	100.0	100.0	2,306	39,074	5.20
All crop farms.....	1,321	51.8	47.6	40.7	41.3	409	232,333	9.32	2.28	175	3.0	28.9	18.9	19.5	2,239	9,275	6.33
All livestock farms.....	1,138	54.3	41.0	42.7	42.4	418	235,763	9.21	2.20	321	9.4	53.0	51.0	51.0	1,993	15,398	3.48
General crop and livestock farms.....	177	58.5	6.4	12.4	10.9	471	57,450	8.72	1.85	55	7.6	9.1	17.2	11.3	3,506	5,040	5.93
All other farms.....	142	45.6	5.1	4.3	5.3	338	23,055	7.22	2.14	55	10.9	9.1	12.8	10.2	2,915	9,361	12.27
Area 3, B, and C.....	29,451	58.7	100.0	100.0	100.0	585	7,691,768	14.35	2.45	2,632	3.0	100.0	100.0	100.0	2,109	179,570	6.50
All crop farms.....	26,853	57.5	91.2	83.3	76.0	640	6,441,674	15.80	2.47	1,752	1.7	66.6	41.8	43.4	2,033	78,301	6.54
All livestock farms.....	1,864	64.5	6.3	13.1	19.0	404	988,987	9.72	2.41	687	8.8	26.1	52.8	50.0	2,226	91,399	6.62
General crop and livestock farms.....	515	60.1	1.7	2.9	4.1	410	208,062	9.36	2.28	167	4.2	6.3	4.6	5.7	1,688	8,275	5.26
All other farms.....	219	43.2	0.7	0.7	0.9	499	53,045	11.60	2.32	26	2.5	1.0	0.9	0.9	2,000	1,595	6.13
Area 4a.....	5,833	55.4	100.0	100.0	100.0	417	1,643,815	9.66	2.32	1,001	5.3	100.0	100.0	100.0	2,128	109,067	6.72
All crop farms.....	3,102	55.6	53.2	41.4	35.2	490	702,132	11.73	2.19	292	2.7	29.2	14.0	17.9	1,674	16,170	5.58
All livestock farms.....	2,071	55.3	35.5	43.8	49.1	371	697,945	8.35	2.25	535	6.4	53.4	64.2	59.2	2,304	71,580	7.45
General crop and livestock farms.....	551	57.3	9.4	13.5	14.3	395	223,353	9.20	2.33	162	8.3	16.2	19.8	21.6	1,949	19,885	5.67
All other farms.....	109	43.1	1.9	1.3	1.4	389	20,385	8.45	2.17	12	3.8	1.2	2.0	1.3	3,308	1,432	6.79
Area 4b.....	5,149	66.3	100.0	100.0	100.0	364	2,099,832	8.25	2.26	1,618	8.9	100.0	100.0	100.0	2,048	243,314	7.11
All crop farms.....	2,163	63.1	42.0	28.8	29.7	354	619,300	8.20	2.32	366	4.3	22.6	13.7	15.1	1,858	31,335	6.08
All livestock farms.....	1,762	71.5	34.2	47.8	46.7	373	997,513	8.39	2.25	798	12.1	49.3	60.1	58.8	2,093	151,710	7.54
General crop and livestock farms.....	1,129	61.9	21.9	22.3	22.5	362	459,579	8.03	2.22	434	9.5	26.8	25.4	25.6	2,032	58,949	6.73
All other farms.....	95	49.0	1.8	1.1	1.1	362	23,440	8.14	2.25	20	3.3	1.2	0.9	0.6	3,077	1,320	6.77
Area 5 and D.....	10,469	72.4	100.0	100.0	100.0	444	3,756,079	9.72	2.19	1,542	4.6	100.0	100.0	100.0	2,118	139,086	5.64
All crop farms.....	7,105	75.6	67.9	55.8	53.3	464	2,089,072	10.14	2.18	516	2.3	33.5	25.5	24.9	2,167	36,357	5.91
All livestock farms.....	2,198	68.3	21.0	28.9	31.3	410	1,092,319	9.04	2.20	742	7.5	48.1	56.3	53.5	2,230	78,654	5.96
General crop and livestock farms.....	975	70.9	9.3	13.7	13.7	446	507,428	9.60	2.15	254	6.6	16.5	16.0	20.0	1,695	21,985	4.45
All other farms.....	191	66.2	1.8	1.6	1.8	396	67,260	9.69	2.44	30	3.7	1.9	2.2	1.6	2,935	2,090	5.43
Area 6 and E.....	27,175	76.4	100.0	100.0	100.0	671	10,377,014	17.30	2.58	1,401	1.6	100.0	100.0	100.0	1,883	87,473	7.00
All crop farms.....	24,935	77.9	91.8	88.8	86.7	688	9,240,404	17.77	2.58	967	0.9	69.0	41.1	48.7	1,589	43,84	

USE OF FERTILIZER AND LIME

Table 6.—USE AND EXPENDITURES FOR FERTILIZER AND LIME OF COMMERCIAL FARMS BY TYPE OF FARM, BY ECONOMIC AREAS: CENSUS OF 1954—Continued

State, economic area, and type of farm	Fertilizer									Lime							
	Farms reporting use of fertilizer	Acres fertilized as a percent of total cropland plus improved pasture	Percent distribution of—			Quantity used per acre fertilized (lb.)	Expenditures (dollars)			Farms reporting use of lime	Acres limed as a percent of total cropland plus improved pasture	Percent distribution of—			Quantity used per acre limed (lb.)	Expenditures (dollars)	
			Farms reporting fertilizer	Fertilizer used	Acres fertilized		For fertilizer	Per acre fertilized	Per cwt. of fertilizer used			Farms reporting lime	Lime used	Acres limed		For lime	Per acre limed
North Carolina—Continued																	
Area 8.....	27,048	83.0	100.0	100.0	100.0	685	12,388,975	17.85	2.60	1,780	1.8	100.0	100.0	100.0	1,215	89,392	5.86
All crop farms.....	26,028	84.3	96.2	94.1	93.1	693	11,685,775	18.08	2.61	1,586	1.5	89.1	65.0	74.2	1,064	66,653	5.89
All livestock farms.....	522	67.5	1.9	2.1	2.9	481	254,970	12.50	2.60	108	4.6	6.1	14.4	9.0	1,939	9,379	6.80
General crop and livestock farms.....	438	67.8	1.6	3.4	3.7	643	405,625	16.00	2.49	86	6.8	4.8	20.6	16.8	1,492	13,360	5.22
All other farms.....	60	85.5	0.2	0.4	0.3	935	42,605	20.63	2.21	...	(2)	...	...	...	...	...	...
Area 9.....	13,707	75.1	100.0	100.0	100.0	578	5,725,338	14.33	2.48	826	1.8	100.0	100.0	100.0	1,635	69,643	7.10
All crop farms.....	12,230	77.6	89.2	85.3	82.6	597	4,867,789	14.75	2.47	631	1.5	76.4	60.8	64.0	1,553	40,991	6.53
All livestock farms.....	672	63.2	4.9	5.4	7.1	441	325,431	11.50	2.47	89	4.1	10.8	17.2	18.7	1,508	11,780	6.44
General crop and livestock farms.....	727	67.8	5.3	9.0	9.9	524	514,644	12.97	2.47	95	2.8	11.5	21.6	16.9	2,089	16,482	9.95
All other farms.....	78	45.4	0.6	0.3	0.3	535	17,474	12.61	2.35	11	1.3	1.3	0.4	0.4	1,500	390	9.75
Area 10.....	4,323	78.3	100.0	100.0	100.0	586	2,911,471	14.70	2.51	910	8.3	100.0	100.0	100.0	1,852	150,306	7.17
All crop farms.....	3,705	78.5	85.7	75.5	79.2	559	2,230,621	14.21	2.54	683	8.2	75.1	76.6	78.0	1,820	115,793	7.09
All livestock farms.....	267	67.9	6.2	4.8	5.0	565	132,975	13.45	2.38	109	13.2	12.0	9.9	9.1	2,010	14,908	7.78
General crop and livestock farms.....	325	80.9	7.5	18.8	15.0	736	526,085	17.71	2.41	103	6.1	11.3	11.0	10.6	1,922	15,780	7.08
All other farms.....	26	82.1	0.6	0.8	0.8	628	21,790	14.50	2.31	15	26.0	1.6	2.4	2.3	2,000	3,825	8.05
Area 11.....	20,753	74.7	100.0	100.0	100.0	682	8,721,519	17.97	2.64	3,352	4.8	100.0	100.0	100.0	1,573	232,363	7.44
All crop farms.....	19,148	77.4	92.3	87.6	85.9	695	7,666,685	18.40	2.65	2,936	3.8	87.6	59.3	65.3	1,428	150,051	7.35
All livestock farms.....	960	58.2	4.6	6.6	7.7	578	544,854	14.53	2.51	259	8.8	7.7	24.3	18.1	2,109	48,889	8.65
General crop and livestock farms.....	566	68.1	2.7	5.2	5.8	612	453,090	16.15	2.64	140	11.4	4.2	14.7	15.0	1,539	29,695	6.34
All other farms.....	79	55.7	0.4	0.7	0.6	710	56,890	18.69	2.63	17	8.9	0.5	1.8	1.6	1,766	3,728	7.66
North Dakota, total.....	9,924	6.0	100.0	100.0	100.0	64	4,509,111	2.69	4.18	13	(2)	100.0	100.0	100.0	857	166	1.19
All crop farms.....	7,831	7.2	78.9	84.3	86.0	63	3,801,703	2.64	4.18	10	(2)	76.9	91.7	96.4	815	150	1.11
All livestock farms.....	1,041	2.7	10.5	7.7	7.1	70	345,130	2.91	4.16	2	(2)	15.4	3.3	1.4	2,000	6	3.00
General crop and livestock farms.....	997	3.5	10.0	8.0	6.9	74	360,078	3.10	4.20	1	(2)	7.7	5.0	2.1	2,000	10	3.33
All other farms.....	55	4.2	0.6	0.1	(2)	831	2,200	33.85	4.07	...	(2)	...	...	...	...	...	...
Area 1.....	537	1.1	100.0	100.0	100.0	73	165,042	3.09	4.24	3	(2)	100.0	100.0	100.0	2,000	16	3.20
All crop farms.....	282	1.2	52.5	50.4	61.8	60	80,192	2.43	4.08	...	(2)	...	...	...	...	...	...
All livestock farms.....	177	1.0	33.0	34.2	27.7	90	57,359	3.88	4.31	2	(2)	66.7	40.0	40.0	2,000	6	3.00
General crop and livestock farms.....	78	0.7	14.5	15.4	10.4	108	27,491	4.94	4.58	1	(2)	33.3	60.0	60.0	2,000	10	3.33
All other farms.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Area 2a.....	313	1.1	100.0	100.0	100.0	50	74,898	1.99	3.97	...	...	...	...	...	...	...	...
All crop farms.....	268	1.1	85.6	79.4	88.4	45	60,565	1.82	4.04	...	...	...	...	...	...	...	...
All livestock farms.....	26	0.9	8.3	15.8	6.7	118	10,519	4.17	3.53	...	...	...	...	...	...	...	...
General crop and livestock farms.....	19	0.9	6.1	4.8	4.9	49	3,814	2.06	4.24	...	...	...	...	...	...	...	...
All other farms.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Area 2b.....	119	0.3	100.0	100.0	100.0	51	15,459	2.03	4.03	...	...	...	...	...	...	...	...
All crop farms.....	63	0.3	52.9	54.2	54.2	51	8,252	2.00	3.97	...	...	...	...	...	...	...	...
All livestock farms.....	24	0.4	20.2	24.5	29.3	42	3,888	1.75	4.14	...	...	...	...	...	...	...	...
General crop and livestock farms.....	32	0.3	26.9	21.4	16.6	65	3,319	2.64	4.05	...	...	...	...	...	...	...	...
All other farms.....	...	(2)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Area 3a.....	2,359	6.1	100.0	100.0	100.0	43	858,356	1.99	4.61	10	(2)	100.0	100.0	100.0	815	150	1.11
All crop farms.....	2,000	6.9	84.8	86.1	88.2	42	746,890	1.96	4.66	10	(2)	100.0	100.0	100.0	815	150	1.11
All livestock farms.....	206	3.6	8.7	7.9	6.8	50	63,146	2.14	4.28	...	...	...	...	...	...	...	...
General crop and livestock farms.....	153	3.1	6.5	6.0	4.9	53	48,320	2.29	4.35	...	...	...	...	...	...	...	...
All other farms.....	...	(2)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Area 3b.....	1,411	5.0	100.0	100.0	100.0	53	481,925	2.30	4.33	...	...	...	...	...	...	...	...
All crop farms.....	1,025	5.5	72.6	79.0	80.4	52	380,136	2.25	4.32	...	...	...	...	...	...	...	...
All livestock farms.....	162	3.9	11.5	11.3	10.1	59	54,707	2.59	4.36	...	...	...	...	...	...	...	...
General crop and livestock farms.....	224	3.5	15.9	9.7	9.5	54	47,082	2.36	4.37	...	...	...	...	...	...	...	...
All other farms.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Area 3c.....	960	4.4	100.0	100.0	100.0	71	265,223	2.89	4.06	...	...	...	...	...	...	...	...
All crop farms.....	609	5.5	63.4	67.8	70.0	69	181,049	2.82	4.09	...	...	...	...	...	...	...	...
All livestock farms.....	243	3.9	25.3	24.9	21.7	82	63,109	3.17	3.88	...	...	...	...	...	...	...	...
General crop and livestock farms.....	108	2.0	11.2	7.3	8.2	63	21,065	2.78	4.41	...	...	...	...	...	...	...	...
All other farms.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Area 4.....	4,225	23.6	100.0	100.0	100.0	77	2,648,208	3.13	4.05	...	...	...	...	...	...	...	...
All crop farms.....	3,584	24.7	84.8	88.7	89.7	76	2,344,619	3.09	4.05	...	...	...	...	...	...	...	...
All livestock farms.....	203	12.0	4.8	3.4	3.4	78	92,402	3.24	4.17	...	...	...	...	...	...	...	...
General crop and livestock farms.....	383	21.1	9.1	7.9	7.0	87	208,987	3.55	4.07	...	...	...	...	...	...	...	...
All other farms.....	55	39.4	1.3	0.1	(2)	831	2,200	33.85	4.07	...	...	...	...	...	...	...	...
Ohio, total.....	110,820	52.2	100.0	100.0	100.0	289	49,332,674	7.74	2.67	40,502	6.4	100.0	100.0	100.0	3,702	5,947,606	7.64
All crop farms.....	37,784	53.0	34.1	36.3	37.7	279	18,061,372	7.52	2.70	9,105	4.3	22.5	24.5	25.2	3,594	1,317,007	6.71
All livestock farms.....	52,192	51.2	47.1	45.9	44.3	299	22,454,747	7.95	2.65	23,889	8.1	59.0	58.6	57.8	3,756	3,664,071	8.15
General crop and livestock farms.....	19,700	53.6	17.8	17.3	17.8	282	8,517,303	7.52	2.67	7,283	6.2	18.0	16.7	16.8	3,683	954,398	7.30
All other farms.....	1,144	38.0	1.0	0.5	0.2	617	299,252	19.65	3.18	225	3.6	0.6	0.2	0.2	3,244	12,130	8.34
Areas 1 and A.....	16,536	52.8	100.0	100.0	100.0	272	8,288,810	7.47	2.75	3,205	2.9	100.0	100.0	100.0	2,780	357,103	5.86
All crop farms.....	10,298	48.4	62.3	58.0	60.2	262	4,773,759	7.15	2.73	1,894	2.7	59.1	61.7	60.3	2,848	218,238	5.94
All livestock farms.....	3,081	63.8	18.6	21.4	20.5	284	1,813,746	7.97	2.80	721	4.1	22.5	24.8	24.2	2,844	85,860	5.82
General crop and livestock farms.....	3,071	58.5	18.6	19.9	19.1	285	1,624,140	7.68	2.70	585	2.6	18.3	13.5	15.5	2,421	52,930	5.62
All other farms.....	86	59.3	0.5	0.													

Table 6.—USE AND EXPENDITURES FOR FERTILIZER AND LIME OF COMMERCIAL FARMS BY TYPE OF FARM, BY ECONOMIC AREAS: CENSUS OF 1954—Continued

State, economic area, and type of farm	Fertilizer									Lime									
	Farms reporting use of fertilizer	Acres fertilized as a percent of total cropland plus improved pasture	Percent distribution of—			Quantity used per acre fertilized (lb.)	Expenditures (dollars)			Farms reporting use of lime	Acres limed as a percent of total cropland plus improved pasture	Percent distribution of—			Expenditures (dollars)				
			Farms reporting fertilizer	Fertilizer used	Acres fertilized		For fertilizer	Per acre fertilized	Per cent. of fertilizer used			Farms reporting lime	Lime used	Acres limed	Quantity used per acre limed (lb.)	For lime	Per acre limed		
Ohio—Continued																			
Area 2.....	17,069	56.3	100.0	100.0	100.0	258	8,667,623	6.94	2.70	4,878	5.0	100.0	100.0	100.0	3,781	670,946	6.01		
All crop farms.....	7,267	55.9	42.6	44.7	46.0	250	3,863,222	6.73	2.69	1,729	4.1	35.4	38.8	38.0	3,867	254,532	6.01		
All livestock farms.....	6,032	56.9	35.3	35.0	33.4	270	3,044,811	7.30	2.70	1,964	6.2	40.3	39.7	40.9	3,676	269,974	5.92		
General crop and livestock farms.....	3,740	56.3	21.9	20.3	20.6	254	1,757,340	6.85	2.70	1,185	5.2	24.3	21.4	21.2	3,831	146,440	6.20		
All other farms.....	30	16.0	0.2	(2)	(2)	419	2,250	21.43	5.11	...	...	...	...	...	...	...	...
Areas 3, B, C, and D.....	23,152	58.7	100.0	100.0	100.0	276	13,199,781	7.46	2.70	5,074	4.4	100.0	100.0	100.0	3,849	966,661	7.20		
All crop farms.....	8,270	59.3	35.7	33.1	34.1	268	4,419,028	7.32	2.73	1,348	3.4	26.6	27.6	25.8	4,112	256,727	7.42		
All livestock farms.....	10,974	58.1	47.4	52.7	50.6	288	6,907,223	7.71	2.68	2,925	5.3	57.6	60.0	61.3	3,767	587,648	7.14		
General crop and livestock farms.....	3,792	59.2	16.4	14.0	15.2	254	1,849,075	6.89	2.71	796	3.8	15.7	12.4	12.8	3,716	121,736	7.07		
All other farms.....	116	64.0	0.5	0.2	0.1	356	24,455	10.61	2.98	5	1.7	0.1	(2)	(2)	3,333	550	9.17		
Areas 4a and E.....	4,446	54.6	100.0	100.0	100.0	350	2,220,895	8.92	2.55	2,204	8.7	100.0	100.0	100.0	4,284	280,207	7.04		
All crop farms.....	2,042	59.3	45.9	47.9	51.3	327	1,082,085	8.48	2.59	962	8.7	43.6	43.7	47.1	3,977	114,602	6.11		
All livestock farms.....	1,528	48.5	34.4	32.6	32.6	350	688,005	8.48	2.42	886	9.1	40.2	39.8	38.2	4,465	120,465	7.92		
General crop and livestock farms.....	581	55.9	13.1	16.7	15.4	379	380,330	9.93	2.62	306	8.2	13.9	15.9	14.1	4,827	42,470	7.58		
All other farms.....	295	37.8	6.6	2.8	0.8	1,300	70,475	36.99	2.85	50	4.8	2.3	0.6	0.6	4,125	2,670	11.12		
Area 4b.....	8,292	54.7	100.0	100.0	100.0	306	3,266,351	7.99	2.61	5,301	11.9	100.0	100.0	100.0	3,682	818,170	9.19		
All crop farms.....	1,410	53.2	17.0	19.2	17.3	339	672,695	9.48	2.80	595	6.5	11.2	10.8	9.8	4,096	83,790	9.65		
All livestock farms.....	5,191	54.7	62.6	61.9	62.0	305	1,973,730	7.79	2.55	3,600	13.1	67.9	69.5	68.4	3,745	576,006	9.47		
General crop and livestock farms.....	1,641	55.3	19.8	18.6	20.2	283	609,876	7.39	2.61	1,091	13.0	20.6	19.5	21.8	3,294	157,784	8.11		
All other farms.....	50	95.8	0.6	0.3	0.5	154	10,050	4.65	3.03	15	1.6	0.3	0.1	(2)	6,857	590	16.86		
Areas 5, F, G, and H.....	9,999	49.7	100.0	100.0	100.0	348	3,371,775	9.09	2.61	6,287	12.9	100.0	100.0	100.0	3,934	938,721	9.75		
All crop farms.....	1,628	57.8	16.3	21.2	17.3	425	721,770	11.22	2.64	813	12.0	12.9	12.5	13.9	3,536	117,675	8.77		
All livestock farms.....	7,064	48.4	70.6	68.4	72.4	329	2,279,050	8.48	2.58	4,733	13.0	75.3	77.9	75.2	4,078	725,730	10.03		
General crop and livestock farms.....	1,046	48.0	10.5	9.4	9.9	331	322,260	8.81	2.66	696	13.4	11.1	9.4	10.6	3,475	92,771	9.09		
All other farms.....	261	33.6	2.6	1.0	0.4	942	48,695	35.57	3.77	45	7.2	0.7	0.2	0.3	2,441	2,545	8.63		
Area 6a.....	6,589	52.0	100.0	100.0	100.0	301	3,039,184	8.07	2.68	2,557	8.3	100.0	100.0	100.0	3,469	466,043	7.75		
All crop farms.....	1,562	53.7	23.7	22.5	23.8	286	682,150	7.61	2.67	412	7.9	16.1	18.8	22.1	2,951	79,963	6.02		
All livestock farms.....	3,821	50.6	58.0	58.9	56.9	312	1,814,779	8.47	2.71	1,689	9.0	66.1	65.2	63.5	3,560	316,738	8.29		
General crop and livestock farms.....	1,196	54.2	18.2	18.5	19.2	290	541,680	7.50	2.58	456	6.5	17.8	16.0	14.4	3,863	69,342	8.01		
All other farms.....	10	61.5	0.2	0.1	0.1	107	575	1.03	0.96	...	...	...	...	...	...	...	...
Areas 6b and J.....	7,959	37.6	100.0	100.0	100.0	333	2,333,996	9.01	2.71	4,746	11.1	100.0	100.0	100.0	3,647	678,503	8.90		
All crop farms.....	978	50.6	12.3	22.8	19.2	396	564,307	11.37	2.87	452	9.7	9.5	11.0	12.5	3,206	76,615	8.02		
All livestock farms.....	5,724	35.4	71.9	62.7	65.2	320	1,434,480	8.49	2.65	3,543	11.6	74.7	72.1	72.4	3,633	491,258	8.90		
General crop and livestock farms.....	1,176	38.0	14.8	14.0	15.0	310	321,442	8.27	2.67	706	10.9	14.9	16.4	14.7	4,091	108,270	9.70		
All other farms.....	81	13.8	1.0	0.6	0.6	331	13,767	8.82	2.67	45	2.6	0.9	0.4	0.4	3,828	2,360	8.14		
Areas 7 and K.....	8,099	41.8	100.0	100.0	100.0	314	2,939,490	7.96	2.54	2,804	7.2	100.0	100.0	100.0	3,873	366,967	5.80		
All crop farms.....	2,751	38.8	34.0	29.6	28.9	322	862,403	8.09	2.52	563	4.4	20.1	19.4	19.0	3,952	70,675	5.89		
All livestock farms.....	3,123	43.8	38.6	44.0	46.0	300	1,288,470	7.59	2.53	1,360	8.6	48.5	51.3	52.8	3,765	192,762	5.78		
General crop and livestock farms.....	2,095	41.7	25.9	25.4	24.8	322	751,872	8.22	2.55	856	8.1	30.5	29.3	28.2	4,026	103,330	5.80		
All other farms.....	130	54.1	1.6	1.1	0.3	974	36,745	29.40	3.02	25	1.7	0.9	(2)	0.1	1,500	200	5.00		
Areas 8a and L.....	3,746	37.0	100.0	100.0	100.0	334	997,766	8.85	2.65	1,206	7.2	100.0	100.0	100.0	3,365	161,318	7.36		
All crop farms.....	1,158	44.9	30.9	30.5	32.8	310	287,428	7.77	2.51	197	6.5	16.3	20.1	24.2	2,788	31,480	5.93		
All livestock farms.....	1,973	32.9	52.7	53.4	51.8	344	549,078	9.40	2.73	774	7.6	64.2	62.9	61.3	3,457	106,093	7.90		
General crop and livestock farms.....	560	40.7	14.9	15.2	14.9	340	152,475	9.06	2.66	220	6.9	18.2	15.7	13.1	4,045	22,110	7.72		
All other farms.....	55	14.8	1.5	0.9	0.5	612	8,785	15.28	2.50	15	8.1	1.2	1.3	1.4	3,016	1,635	5.19		
Area 8b.....	4,933	31.9	100.0	100.0	100.0	373	1,007,003	9.95	2.67	2,240	7.9	100.0	100.0	100.0	3,631	242,967	9.74		
All crop farms.....	420	47.6	8.5	13.2	11.0	447	132,525	11.88	2.66	140	6.8	6.2	5.5	6.4	3,138	12,710	7.99		
All livestock farms.....	3,681	29.2	74.6	65.7	69.0	355	661,375	9.47	2.67	1,694	7.7	75.6	77.0	73.8	3,789	191,537	10.41		
General crop and livestock farms.....	802	36.8	16.3	20.4	19.4	392	206,813	10.53	2.69	386	9.0	17.2	17.0	19.2	3,218	37,215	7.78		
All other farms.....	30	45.9	0.6	0.6	0.6	414	6,290	11.23	2.71	20	13.1	0.9	0.5	0.6	2,625	1,505	9.41		
Oklahoma, total.....	24,735	13.4	100.0	100.0	100.0	125	6,730,958	3.57	2.86	1,733	0.4	100.0	100.0	100.0	2,606	259,392	4.73		
All crop farms.....	10,255	13.5	41.5	43.0	55.1	98	3,190,621	3.08	3.15	479	0.2	27.6	32.5	30.7	2,759	92,174	5.48		
All livestock farms.....	10,130	13.5	41.0	41.4	31.9	58.2	2,540,003	4.23	2.61	1,035	0.7	59.7	58.8	59.8	2,566	141,540	4.32		
General crop and livestock farms.....	4,233	12.6	17.1	15.3	13.0	147	972,860	3.97	2.70	208	0.3	12.0	8.1	9.4	2,231	24,268	4.70		
All other farms.....	117	25.9	0.5	0.3	0.1	687	27,474	23.89	3.48	11	1.7	0.6	0.6	0.1	13,000	1,410	18.80		
Area 1.....	874	1.7	100.0	100.0	100.0	92	168,578	2.79	3.03	...	...	...	...	...	...	...	...
All crop farms.....	423	1.7	48.4	51.7	57.2	83	86,809	2.51	3.01	...	...	...	...	...	...	...	...
All livestock farms.....	264	1.5	30.2	28.8	26.5	100	49,837	3.12	3.11	...	...	...	...	...	...	...	...
General crop and livestock farms.....	187	2.8	21.4	19.5	16.3	111	31,932	3.25	2.93	...	...	...	...	...	...	...	...
All other farms.....																			

USE OF FERTILIZER AND LIME

Table 6.—USE AND EXPENDITURES FOR FERTILIZER AND LIME OF COMMERCIAL FARMS BY TYPE OF FARM, BY ECONOMIC AREAS: CENSUS OF 1954—Continued

State, economic area, and type of farm	Fertilizer									Lime							
	Farms reporting use of fertilizer	Acres fertilized as a percent of total cropland plus improved pasture	Percent distribution of—			Quantity used per acre fertilized (lb.)	Expenditures (dollars)			Farms reporting use of lime	Acres limed as a percent of total cropland plus improved pasture	Percent distribution of—			Expenditures (dollars)		
			Farms reporting fertilizer	Fertilizer used	Acres fertilized		For fertilizer	Per acre fertilized	Per cent. of fertilizer used			Farms reporting lime	Lime used	Acres limed	Quantity used per acre limed (lb.)	For lime	Per acre limed
Oklahoma—Continued																	
Area 4.....	4,036	9.3	100.0	100.0	100.0	105	898,414	3.06	2.91	17	(2)	100.0	100.0	100.0	1,584	5,097	4.59
All crop farms.....	2,406	9.4	59.6	60.7	68.1	94	573,772	2.87	3.06	1	(2)	5.9	1.6	2.3	1,120	82	3.28
All livestock farms.....	751	10.8	18.6	16.7	14.7	133	154,178	3.57	2.68	5	(2)	29.4	28.4	11.3	4,000	1,000	8.00
General crop and livestock farms.....	879	7.8	21.8	20.7	17.3	126	170,464	3.36	2.67	11	0.1	64.7	70.0	86.5	1,281	4,015	4.18
All other farms.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Areas 5 and B.....	3,691	24.2	100.0	100.0	100.0	139	911,036	3.62	2.61	251	0.5	100.0	100.0	100.0	2,286	24,402	4.42
All crop farms.....	888	32.4	24.1	28.8	37.8	106	311,934	3.28	3.10	41	0.3	16.3	16.6	15.3	2,485	4,046	4.79
All livestock farms.....	1,968	20.9	53.3	49.9	43.1	161	411,263	3.79	2.36	175	0.8	69.7	70.7	72.7	2,221	16,311	4.06
General crop and livestock farms.....	795	20.9	21.5	20.9	19.0	152	183,049	3.83	2.51	35	0.3	13.9	12.7	12.0	2,424	4,045	6.13
All other farms.....	40	43.7	1.1	0.4	0.1	613	4,790	21.29	3.47	...	...	...	...	...	...	...
Area 6.....	1,629	17.8	100.0	100.0	100.0	168	344,469	4.22	2.51	96	0.7	100.0	100.0	100.0	3,214	14,825	4.78
All crop farms.....	366	16.5	22.5	15.4	18.1	143	51,726	3.50	2.45	6	0.2	6.2	4.7	5.8	2,611	760	4.22
All livestock farms.....	881	17.5	54.1	66.0	63.5	175	218,916	4.22	2.42	83	0.9	86.5	93.5	90.4	3,322	13,905	4.96
General crop and livestock farms.....	377	21.2	23.1	17.9	18.3	164	68,827	4.60	2.80	7	0.2	7.3	1.8	3.8	1,538	160	1.37
All other farms.....	5	11.1	0.3	0.7	(2)	5,000	5,000	250.00	5.00	...	...	...	...	...	...	...
Area 7a.....	969	10.7	100.0	100.0	100.0	170	220,358	4.46	2.61	80	0.3	100.0	100.0	100.0	2,025	4,640	3.47
All crop farms.....	214	14.7	22.1	20.0	27.5	124	50,763	3.73	3.01	...	...	...	...	...	...	...
All livestock farms.....	534	8.6	55.1	54.8	50.6	185	113,609	4.54	2.46	69	0.4	86.2	94.1	83.5	2,281	4,327	3.88
General crop and livestock farms.....	221	14.1	22.8	25.2	21.9	196	55,986	5.17	2.63	11	0.3	13.8	5.9	16.5	727	313	1.42
All other farms.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Area 7b.....	1,138	23.6	100.0	100.0	100.0	162	232,325	3.45	2.12	39	0.4	100.0	100.0	100.0	1,722	8,513	6.76
All crop farms.....	396	23.9	34.8	24.7	27.8	145	56,502	3.02	2.09	1	0.1	2.6	13.8	6.0	4,000	1,500	20.00
All livestock farms.....	446	23.4	39.2	46.6	50.0	151	102,163	3.03	2.00	23	0.3	59.0	26.3	36.9	1,226	3,213	6.91
General crop and livestock farms.....	291	23.6	25.6	28.6	22.2	209	73,410	4.90	2.35	15	1.1	38.5	59.9	57.1	1,806	3,800	5.28
All other farms.....	5	25.0	0.4	0.1	(2)	2,000	250	50.00	2.50	...	...	...	...	...	...
Area 8a.....	2,267	25.1	100.0	100.0	100.0	167	694,791	4.62	2.77	231	1.3	100.0	100.0	100.0	2,890	32,960	4.29
All crop farms.....	837	30.8	36.9	35.9	40.5	148	246,791	4.06	2.74	47	1.2	20.3	23.1	31.4	2,124	8,280	3.43
All livestock farms.....	1,062	22.5	46.8	49.0	44.7	183	336,187	5.00	2.74	163	1.6	70.6	64.0	61.0	3,033	19,195	4.10
General crop and livestock farms.....	338	21.5	14.9	14.5	14.6	165	104,863	4.78	2.89	16	0.5	6.9	9.5	7.3	3,779	4,360	7.79
All other farms.....	30	62.4	1.3	0.7	0.2	672	6,950	26.23	3.90	5	5.9	2.2	3.4	0.3	30,000	1,125	45.00
Area 8b.....	937	22.7	100.0	100.0	100.0	193	223,129	4.97	2.57	94	1.4	100.0	100.0	100.0	1,849	8,533	3.12
All crop farms.....	153	38.0	16.3	26.5	27.6	186	62,010	5.01	2.69	15	0.6	16.0	13.2	6.6	3,722	1,080	6.00
All livestock farms.....	707	19.9	75.5	67.0	66.8	194	145,364	4.85	2.50	79	1.7	84.0	86.8	93.4	1,717	7,453	2.92
General crop and livestock farms.....	77	18.3	8.2	6.5	5.6	223	15,755	6.26	2.80	...	...	...	...	...	...
All other farms.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Area 9.....	1,604	18.1	100.0	100.0	100.0	187	338,442	4.88	2.61	161	1.6	100.0	100.0	100.0	1,946	20,897	3.46
All crop farms.....	450	27.0	28.1	26.7	27.1	184	101,690	5.40	2.93	...	...	...	...	...	...
All livestock farms.....	973	16.0	60.7	59.5	60.2	185	188,228	4.51	2.44	152	2.3	94.4	96.3	98.0	1,912	20,087	3.40
General crop and livestock farms.....	174	16.9	10.8	13.6	12.6	203	48,250	5.53	2.72	8	0.2	5.0	2.8	1.5	3,667	560	6.22
All other farms.....	7	6.2	0.4	0.1	0.1	320	274	5.48	1.71	1	3.7	0.6	0.9	0.5	3,333	250	8.33
Oregon, total.....	17,483	23.8	100.0	100.0	100.0	226	11,375,165	8.91	3.94	1,369	0.4	100.0	100.0	100.0	3,000	321,946	15.31
All crop farms.....	7,728	25.9	44.2	52.2	53.3	221	6,364,152	9.35	4.22	475	0.3	34.7	29.9	34.5	2,594	90,853	12.52
All livestock farms.....	5,299	12.1	30.3	16.3	17.6	209	1,598,273	7.11	3.40	553	0.4	40.4	36.7	31.4	3,508	108,921	16.52
General crop and livestock farms.....	3,663	44.8	21.0	29.9	28.1	241	3,240,221	9.04	3.75	290	0.9	21.2	30.2	32.5	2,794	112,706	16.52
All other farms.....	793	16.0	4.5	1.5	1.0	332	172,519	13.11	3.95	51	0.4	3.7	3.3	1.7	5,891	9,466	27.12
Area 1a.....	1,053	12.2	100.0	100.0	100.0	296	218,226	10.48	3.55	151	0.8	100.0	100.0	100.0	5,551	33,386	26.04
All crop farms.....	181	31.6	17.2	11.1	8.7	379	26,965	14.90	3.93	5	0.7	3.3	0.3	3.1	500	80	2.00
All livestock farms.....	700	11.3	66.5	73.5	78.3	278	153,671	9.43	3.40	123	0.7	81.5	78.3	84.6	5,137	27,236	25.10
General crop and livestock farms.....	48	23.9	4.6	5.1	8.2	185	11,175	6.54	3.54	2	0.4	1.3	1.7	2.1	4,519	680	25.19
All other farms.....	124	7.6	11.8	10.2	4.8	631	26,415	26.52	4.21	21	1.0	13.9	19.7	10.1	10,769	5,390	41.46
Area 1b.....	1,148	28.4	100.0	100.0	100.0	242	397,834	7.44	3.07	105	0.8	100.0	100.0	100.0	2,753	16,616	11.27
All crop farms.....	201	51.0	17.5	39.2	26.1	364	177,425	12.71	3.50	10	0.4	9.5	10.3	7.5	3,818	1,125	10.23
All livestock farms.....	757	25.3	65.9	51.1	62.9	197	185,297	5.51	2.80	87	0.9	82.9	76.5	80.7	2,610	13,094	11.00
General crop and livestock farms.....	101	27.2	8.8	5.4	6.2	210	19,497	5.86	2.79	6	0.9	5.7	5.6	7.3	2,131	846	7.91
All other farms.....	89	16.2	7.8	4.3	4.8	221	15,615	6.14	2.78	2	0.4	1.9	7.5	4.5	4,537	1,551	23.15
Areas 2a and A.....	7,019	42.4	100.0	100.0	100.0	285	3,193,132	11.36	3.99	742	1.2	100.0	100.0	100.0	3,157	122,191	15.45
All crop farms.....	3,797	48.2	54.1	59.3	48.3	350	1,869,055	13.76	3.93	336	1.2	45.3	41.4	44.4	2,942	53,136	15.14
All livestock farms.....	1,551	29.6	22.1	13.5	18.4	210	411,823	7.98	3.81	241	1.6	32.5	39.2	35.1	3,526	43,413	15.64
General crop and livestock farms.....	1,276	46.8	18.2	24.3	31.6	220	815,134	9.19	4.18	149	0.8	20.1	19.0	19.2	3,135	24,678	16.29
All other farms.....	395	27.7	5.6	2.8	1.7	467	97,120	19.91	4.26	16	0.6	2.2	0.4	1.4	972	964	9.01
Area 2b.....	3,341	50.0	100.0	100.0	100.0	236	2,821,179	8.98	3.81	319	1.4	100.0	100.0	100.0	2,815	141,231	15.62
All crop farms.....	1,085	50.3	32.5	28.2	27.4	243	846,862	9.82	4.05	110	1.9	34.5	28.4	35.4	2,258	32,626	10.21
All livestock farms.....	923	27.9	27.6	10.9	12.9	199	301,122	7.43	3.73	94	0.9	29.5	17.4	14.0	3,494	23,937	18.86
General crop and livestock farms.....	1,187	63.0	35.5	60.1	58.5	242	1,651,440	8.99	3.71	113	1.6	35.4	53.3	50.2	2,990	83,207	18.33
All other farms.....	146	18.7	4.4	0.8	1.2	157	21,755	5.84	3.71	2	0.2	0.6	0.9	0.4	6,514	1,461	41.74
Area 3.....	1,392																

USE OF FERTILIZER AND LIME

301

Table 6.—USE AND EXPENDITURES FOR FERTILIZER AND LIME OF COMMERCIAL FARMS BY TYPE OF FARM, BY ECONOMIC AREAS: CENSUS OF 1954—Continued

State, economic area, and type of farm	Fertilizer									Lime							
	Farms reporting use of fertilizer	Acres fertilized as a percent of total cropland plus improved pasture	Percent distribution of—			Quantity used per acre fertilized (lb.)	Expenditures (dollars)			Farms reporting use of lime	Acres limed as a percent of total cropland plus improved pasture	Percent distribution of—			Expenditures (dollars)		
			Farms reporting fertilizer	Fertilizer used	Acres fertilized		For fertilizer	Per acre fertilized	Per cent. of fertilizer used			Farms reporting lime	Lime used	Acres limed	Quantity used per acre limed (lb.)	For lime	Per acre limed
Oregon—Continued																	
Area 4.....	3,530	14.8	100.0	100.0	100.0	315	3,109,674	10.99	3.49	41	0.1	100.0	100.0	100.0	1,130	8,386	6.47
All crop farms.....	1,421	29.3	40.3	61.0	51.4	374	1,954,472	13.45	3.60	13	0.1	31.7	57.4	29.8	2,176	3,850	9.95
All livestock farms.....	1,146	6.0	32.5	16.7	23.9	220	466,817	6.90	3.14	8	(2)	19.5	16.0	21.2	851	1,241	4.51
General crop and livestock farms.....	942	26.6	26.7	22.1	24.4	284	682,387	9.87	3.47	20	0.2	48.8	26.6	49.0	614	3,295	5.19
All other farms.....	21	5.4	0.6	0.2	0.3	213	5,998	7.44	3.49	...	...	...	...	...	...	...	...
Pennsylvania, total.....																	
70,395	49.6	100.0	100.0	100.0	354	28,970,202	9.13	2.58	33,611	9.0	100.0	100.0	100.0	2,714	4,496,230	7.76	
All crop farms.....	9,580	55.5	13.6	20.3	16.0	485	6,156,900	13.06	2.69	3,207	7.7	9.5	10.2	11.3	2,465	458,646	7.02
All livestock farms.....	49,391	43.3	70.2	61.8	67.2	351	17,795,416	8.98	2.56	25,425	9.4	75.6	76.2	74.6	2,774	3,425,672	7.93
General crop and livestock farms.....	10,036	51.7	14.3	16.9	16.2	398	4,722,828	9.90	2.49	4,596	8.2	13.7	12.5	13.0	2,605	558,501	7.40
All other farms.....	1,388	35.5	2.0	1.0	0.6	571	295,058	15.77	2.76	383	12.4	1.1	1.1	1.1	2,560	53,411	8.15
Areas 1a, A, and B.....																	
6,692	44.0	100.0	100.0	100.0	369	2,178,697	9.90	2.68	3,764	10.3	100.0	100.0	100.0	3,249	447,858	8.69	
All crop farms.....	958	57.9	14.3	26.4	18.5	526	635,978	15.60	2.96	387	7.8	10.3	9.6	10.6	2,928	46,600	8.53
All livestock farms.....	5,128	41.8	76.6	65.2	73.2	329	1,370,689	8.51	2.59	2,977	10.8	79.6	80.8	80.5	3,265	361,613	8.72
General crop and livestock farms.....	536	43.9	8.0	7.6	7.7	366	155,245	9.16	2.50	350	10.6	9.3	8.6	7.9	3,518	36,470	8.92
All other farms.....	70	20.5	1.0	0.8	0.6	482	16,785	12.96	2.69	30	8.2	0.8	1.0	1.0	3,288	3,175	6.11
Area 1b.....																	
3,867	37.0	100.0	100.0	100.0	329	1,039,040	8.51	2.59	2,449	11.2	100.0	100.0	100.0	3,023	312,272	8.44	
All crop farms.....	395	39.5	10.2	10.4	10.0	343	109,835	9.00	2.62	192	9.5	7.8	6.4	7.9	2,466	20,195	6.92
All livestock farms.....	2,953	36.4	76.4	76.4	77.1	326	793,533	8.43	2.59	1,919	11.1	78.4	80.9	77.3	3,155	253,840	8.84
General crop and livestock farms.....	442	40.8	11.4	12.1	12.3	325	124,519	8.32	2.56	321	14.5	13.1	12.1	14.4	2,542	36,673	6.87
All other farms.....	77	22.2	2.0	1.1	0.6	584	11,153	15.15	2.59	17	4.6	0.7	0.5	0.4	3,868	1,564	10.36
Area 2.....																	
6,539	23.9	100.0	100.0	100.0	365	1,567,173	9.31	2.55	4,634	11.2	100.0	100.0	100.0	2,749	760,533	9.69	
All crop farms.....	122	40.8	1.9	6.5	3.3	713	105,455	18.81	2.64	52	13.5	1.1	2.2	2.4	2,601	19,670	10.57
All livestock farms.....	6,230	23.8	95.3	89.8	93.5	351	1,392,318	8.85	2.52	4,445	11.2	95.9	93.7	94.2	2,734	709,459	9.59
General crop and livestock farms.....	151	21.1	2.3	3.5	2.9	441	65,280	13.20	2.99	121	10.3	2.6	3.7	3.1	3,335	27,375	11.31
All other farms.....	36	7.6	0.6	0.2	0.2	267	4,120	11.44	4.29	16	6.3	0.3	0.4	0.4	2,609	4,029	13.47
Area 3.....																	
2,069	47.3	100.0	100.0	100.0	360	844,823	9.65	2.68	1,031	9.4	100.0	100.0	100.0	2,510	106,942	6.13	
All crop farms.....	370	42.0	17.9	14.7	14.9	355	121,620	9.34	2.63	105	7.6	10.2	11.4	13.5	2,119	11,940	5.07
All livestock farms.....	1,337	48.6	64.6	63.0	66.5	341	538,192	9.25	2.71	756	9.5	73.3	70.5	65.0	2,724	75,827	6.69
General crop and livestock farms.....	337	48.6	16.3	22.1	18.2	436	181,486	11.37	2.61	165	11.4	16.0	18.0	21.4	2,107	18,960	5.07
All other farms.....	25	23.5	1.2	0.3	0.4	225	3,525	9.93	4.41	5	1.0	0.5	0.1	0.1	3,333	215	14.33
Area 4a.....																	
3,557	38.2	100.0	100.0	100.0	308	1,022,001	8.14	2.64	2,221	12.1	100.0	100.0	100.0	2,677	289,620	7.30	
All crop farms.....	405	39.7	11.4	11.8	12.2	298	121,425	7.94	2.67	220	13.4	9.9	9.3	13.0	1,907	24,915	4.84
All livestock farms.....	2,528	38.5	71.1	73.4	73.4	308	748,245	8.12	2.64	1,619	12.0	72.9	76.1	72.7	2,802	220,255	7.64
General crop and livestock farms.....	562	36.5	15.8	14.0	13.6	317	143,760	8.42	2.66	362	11.9	16.3	14.4	14.0	2,745	42,920	7.72
All other farms.....	62	26.2	1.7	0.9	0.8	340	8,571	8.42	2.48	20	3.2	0.9	0.3	0.3	2,640	1,530	12.24
Area D.....																	
4,002	26.4	100.0	100.0	100.0	323	932,610	8.33	2.58	2,613	9.6	100.0	100.0	100.0	2,910	342,330	8.43	
All crop farms.....	375	31.0	9.4	10.2	8.2	400	97,525	10.58	2.64	175	11.0	6.7	7.2	8.1	2,614	25,125	7.67
All livestock farms.....	3,099	25.6	77.4	76.3	79.2	311	706,240	7.96	2.56	2,137	9.4	81.8	83.8	80.6	3,024	285,100	8.70
General crop and livestock farms.....	362	30.3	9.0	11.4	11.4	320	107,555	8.39	2.62	261	9.5	10.0	7.6	9.9	2,250	25,995	6.49
All other farms.....	166	27.6	4.1	2.1	1.1	616	21,290	17.21	2.79	40	13.3	1.5	1.3	1.5	2,672	6,105	10.26
Areas 4b and E.....																	
3,501	35.5	100.0	100.0	100.0	367	1,215,095	9.41	2.56	1,867	10.1	100.0	100.0	100.0	2,707	275,070	7.51	
All crop farms.....	332	41.0	9.5	13.2	10.1	479	166,955	12.80	2.67	186	12.4	10.0	10.8	10.8	2,707	31,745	8.02
All livestock farms.....	2,551	34.7	72.9	71.6	74.7	352	865,590	8.97	2.55	1,365	9.8	73.1	76.3	74.3	2,781	209,695	7.71
General crop and livestock farms.....	577	37.2	16.5	15.0	15.0	367	178,705	9.24	2.52	310	10.2	16.6	12.7	14.5	2,373	32,950	6.21
All other farms.....	41	14.5	1.2	0.3	0.2	444	3,845	13.98	3.15	6	8.4	0.3	0.2	0.4	1,375	680	4.25
Areas 5 and F.....																	
7,932	49.2	100.0	100.0	100.0	297	2,875,002	7.48	2.52	2,915	6.9	100.0	100.0	100.0	2,955	442,730	8.23	
All crop farms.....	1,032	46.8	13.0	12.3	12.2	298	360,059	7.65	2.57	317	5.8	10.9	10.9	10.8	2,985	50,773	8.78
All livestock farms.....	5,539	49.4	69.8	70.4	69.9	299	2,023,756	7.54	2.52	2,079	7.1	71.3	71.6	71.9	2,946	311,815	8.07
General crop and livestock farms.....	1,263	50.5	15.9	17.0	17.7	284	481,789	7.08	2.49	508	6.9	17.4	17.1	17.2	2,943	78,590	8.50
All other farms.....	98	33.2	1.2	0.3	0.2	406	9,398	10.36	2.55	11	3.7	0.4	0.4	0.2	5,545	1,552	15.37
Areas 6, C, and G.....																	
5,856	53.0	100.0	100.0	100.0	419	2,772,475	10.48	2.50	2,984	9.7	100.0	100.0	100.0	2,333	353,281	7.29	
All crop farms.....	1,217	60.6	20.8	30.2	24.7	513	832,634	12.75	2.49	477	8.2	16.0	16.6	18.2	2,135	64,973	7.39
All livestock farms.....	3,502	48.6	59.8	48.1	54.4	370	1,336,491	9.29	2.51	1,976	10.8	66.2	68.1	66.2	2,398	233,168	7.27
General crop and livestock farms.....	987	59.1	16.9	21.2	20.4	436	588,060	10.92	2.50	496	8.2	16.6	15.0	15.3	2,286	53,350	7.19
All other farms.....	150	35.8	2.6	0.5	0.6	352	15,290	10.30	2.93	35	3.6	1.2	0.3	0.3	2,267	1,790	11.93
Areas 7 and H.....																	
7,330	57.3	100.0	100.0	100.0	332	3,584,540	8.65	2.61	2,510	7.5	100.0	100.0	100.0	2,904	339,416	6.27	
All crop farms.....	1,248	65.2	17.0	22.1	20.9	350	798,241	9.20	2.63	361	7.1	14.4	16.6	17.5	2,748	56,010	5.91
All livestock farms.....	4,805	54.4	65.6	58.6	61.4	317	2,144,323	8.43	2.66	1,692	7.7	67.4	67.9	66.4	2,971	226,930	6.32
General crop and livestock farms.....	1,205	59.3	16.4	18.6	17.2	361	616,230	8.67	2.40	445	7.1	17.7	15.2	15.7	2,808	55,335	6.51
All other farms.....	72	88.6	1.0	0.7	0.5	494	25,746	13.33	2.70	12	9.2	0.5	0.3	0.4	2,348	1,141	5.68
Areas J and K.....																	
9,287	61.6	100.0	100.0	100.0	468	4,535,502	11.64	2.48	3,089	7.3	100.0	100.0	100.0	2,365	335,494	7.29	

USE OF FERTILIZER AND LIME

Table 6.—USE AND EXPENDITURES FOR FERTILIZER AND LIME OF COMMERCIAL FARMS BY TYPE OF FARM, BY ECONOMIC

AREAS: CENSUS OF 1954—Continued

State, economic area, and type of farm	Fertilizer									Lime							
	Farms reporting use of fertilizer	Acres fertilized as a percent of total cropland plus improved pasture	Percent distribution of—			Quantity used per acre fertilized (lb.)	Expenditures (dollars)			Farms reporting use of lime	Acres limed as a percent of total cropland plus improved pasture	Percent distribution of—			Quantity used per acre limed (lb.)	Expenditures (dollars)	
			Farms reporting fertilizer	Fertilizer used	Acres fertilized		For fertilizer	Per acre fertilized	Per cent of fertilizer used			Farms reporting lime	Lime used	Acres limed		For lime	Per acre limed
Rhode Island, total (Areas 1 and A.....)	566	33.6	100.0	100.0	100.0	748	307,311	20.82	2.78	192	6.4	100.0	100.0	100.0	2,045	25,981	9.17
All crop farms.....	100	54.9	17.7	24.6	12.1	1,519	79,215	44.38	2.92	10	1.1	5.2	1.9	1.2	3,143	490	14.00
All livestock farms.....	376	31.6	66.4	58.8	80.7	345	172,526	14.48	2.66	157	6.9	81.8	91.2	91.7	2,034	23,656	9.11
General crop and livestock farms...	25	36.2	4.4	2.7	4.3	472	10,025	15.66	3.32	5	0.6	2.6	0.5	0.4	3,000	135	13.50
All other farms.....	65	33.9	11.5	13.9	2.9	3,614	45,545	107.16	2.97	20	15.1	10.4	6.4	6.7	1,947	1,700	8.95
South Carolina, total.....	70,143	71.1	100.0	100.0	100.0	491	31,848,807	11.41	2.32	4,348	3.2	100.0	100.0	100.0	1,744	606,180	4.86
All crop farms.....	59,265	76.3	84.5	72.5	68.7	518	23,292,635	12.15	2.34	2,403	1.9	55.3	39.0	39.1	1,739	249,662	5.12
All livestock farms.....	6,075	59.6	8.7	14.9	18.0	407	4,548,740	9.07	2.23	1,270	6.5	29.2	43.1	44.0	1,710	250,257	4.57
General crop and livestock farms...	4,143	68.7	5.9	11.7	12.2	470	3,721,856	10.90	2.32	533	3.6	12.3	15.0	14.5	1,806	91,570	5.06
All other farms.....	660	43.9	0.9	0.9	1.2	390	285,576	8.73	2.24	142	4.1	3.3	2.9	2.5	2,059	14,691	4.80
Area 1.....	1,533	62.9	100.0	100.0	100.0	413	562,822	10.44	2.52	247	8.4	100.0	100.0	100.0	1,821	35,238	4.90
All crop farms.....	1,032	67.4	67.3	55.5	52.7	436	322,075	11.33	2.60	100	6.2	40.5	36.7	36.6	1,825	14,245	5.42
All livestock farms.....	299	60.5	19.5	30.1	29.4	423	161,102	10.16	2.40	101	11.9	40.9	40.8	43.5	1,705	12,765	4.08
General crop and livestock farms...	136	59.9	8.9	11.8	14.7	330	65,555	8.26	2.50	26	8.9	10.5	18.9	16.5	2,093	7,323	6.19
All other farms.....	66	42.4	4.3	2.6	3.2	342	14,090	8.25	2.41	20	6.1	8.1	3.7	3.4	1,959	905	3.69
Area 2.....	7,781	67.0	100.0	100.0	100.0	416	3,329,322	9.49	2.28	963	6.1	100.0	100.0	100.0	1,603	136,480	4.27
All crop farms.....	6,048	70.6	77.7	64.0	60.8	437	2,110,590	9.89	2.26	519	3.9	53.9	43.1	37.2	1,856	61,024	5.12
All livestock farms.....	1,235	64.6	15.9	25.3	29.0	362	852,996	8.37	2.31	303	9.5	31.5	40.3	47.0	1,373	53,185	3.53
General crop and livestock farms...	378	62.0	4.9	8.3	7.9	434	280,922	10.07	2.32	99	8.4	10.3	12.1	11.8	1,644	16,684	4.40
All other farms.....	120	40.3	1.5	2.5	2.2	467	84,814	11.01	2.36	42	6.5	4.4	4.5	3.9	1,832	5,587	4.47
Area 3.....	4,696	60.4	100.0	100.0	100.0	411	1,683,717	9.00	2.19	313	3.4	100.0	100.0	100.0	1,885	50,898	4.81
All crop farms.....	3,750	66.3	79.9	62.2	58.1	440	1,043,129	9.59	2.18	121	1.4	38.7	18.4	21.5	1,618	9,415	4.14
All livestock farms.....	646	54.7	13.8	28.4	31.8	367	471,887	7.94	2.16	121	5.9	38.7	66.9	60.5	2,084	34,343	5.36
General crop and livestock farms...	198	58.4	4.2	8.1	8.4	395	146,547	9.28	2.35	45	6.2	14.4	11.7	15.8	1,396	6,350	3.80
All other farms.....	102	30.8	2.2	1.3	1.7	311	22,154	6.92	2.22	26	2.2	8.3	3.0	2.2	2,565	790	3.43
Area 4.....	4,211	60.8	100.0	100.0	100.0	401	1,650,875	9.08	2.26	526	4.6	100.0	100.0	100.0	1,756	59,464	4.31
All crop farms.....	2,884	72.7	68.5	56.5	49.3	460	933,042	10.42	2.26	185	3.3	35.2	25.5	29.6	1,509	17,135	4.19
All livestock farms.....	877	53.7	20.8	30.9	36.8	338	506,817	7.58	2.25	258	6.0	49.0	54.8	54.5	1,765	32,450	4.31
General crop and livestock farms...	330	53.4	7.8	10.4	11.1	374	176,450	8.71	2.33	48	4.2	9.1	14.7	11.6	2,219	7,223	4.51
All other farms.....	120	38.6	2.8	2.2	2.8	309	34,566	6.69	2.17	35	4.4	6.7	5.1	4.3	2,092	2,656	4.50
Areas 5, A, and B.....	5,946	66.3	100.0	100.0	100.0	446	3,035,102	9.95	2.23	372	2.3	100.0	100.0	100.0	1,966	60,523	5.61
All crop farms.....	4,971	73.2	83.6	79.7	76.4	465	2,426,325	10.41	2.24	236	1.6	63.4	51.3	48.2	2,095	30,942	5.96
All livestock farms.....	578	48.4	9.7	10.7	13.5	351	322,087	7.80	2.22	85	4.6	22.8	33.2	36.3	1,795	20,273	5.18
General crop and livestock farms...	353	55.6	5.9	8.8	9.1	429	258,613	9.30	2.17	40	3.1	10.8	14.3	14.3	1,966	8,758	5.67
All other farms.....	44	46.7	0.7	0.9	1.0	415	28,077	9.67	2.33	11	2.0	3.0	1.2	1.2	2,000	550	4.40
Area 6.....	19,707	77.3	100.0	100.0	100.0	473	11,127,699	10.70	2.26	912	2.5	100.0	100.0	100.0	1,780	176,144	5.15
All crop farms.....	16,828	79.2	85.4	70.1	69.3	479	7,812,839	10.84	2.26	505	1.6	55.4	41.4	42.7	1,726	73,168	5.01
All livestock farms.....	1,131	67.3	5.7	10.8	11.9	429	1,158,532	9.33	2.17	216	6.8	23.7	37.9	36.8	1,832	62,942	5.00
General crop and livestock farms...	1,669	78.2	8.5	18.6	18.2	483	2,116,659	11.16	2.31	189	2.8	20.7	19.6	19.7	1,772	37,414	5.56
All other farms.....	79	58.9	0.4	0.4	0.6	354	39,669	6.93	1.96	2	2.6	0.2	1.1	0.7	2,579	2,620	10.40
Area 7.....	21,478	80.0	100.0	100.0	100.0	641	7,865,960	16.32	2.54	763	1.5	100.0	100.0	100.0	1,473	41,635	4.76
All crop farms.....	20,366	82.0	94.8	90.3	88.3	656	7,143,478	16.79	2.56	645	1.1	84.5	63.6	63.3	1,480	29,033	5.24
All livestock farms.....	505	68.9	2.4	4.9	6.3	495	359,308	11.79	2.38	76	6.1	10.0	29.7	30.6	1,430	10,372	3.88
General crop and livestock farms...	557	66.7	2.6	4.6	5.3	561	350,284	13.78	2.46	42	1.4	5.5	6.7	6.1	1,617	2,230	4.14
All other farms.....	50	48.1	0.2	0.2	0.2	672	12,890	17.19	2.56	...	...	...	...	...	...	...	...
Areas 8 and C.....	4,791	64.4	100.0	100.0	100.0	602	2,593,310	13.56	2.25	252	2.5	100.0	100.0	100.0	1,882	45,798	6.18
All crop farms.....	3,386	73.1	70.7	57.2	51.1	674	1,501,157	15.35	2.28	92	1.9	36.5	26.7	33.7	1,495	14,700	5.89
All livestock farms.....	804	55.9	16.8	28.6	32.0	538	716,011	11.70	2.18	110	3.2	43.7	51.5	47.6	2,039	23,927	6.79
General crop and livestock farms...	522	61.5	10.9	12.2	14.0	528	326,826	12.25	2.32	44	2.4	17.5	15.9	13.8	2,176	5,588	5.47
All other farms.....	79	54.9	1.6	1.9	2.9	403	49,316	8.89	2.21	6	3.6	2.4	5.8	5.0	2,190	1,583	4.30
South Dakota, total.....	10,359	2.8	100.0	100.0	100.0	140	3,191,349	5.83	4.18	111	(2)	100.0	100.0	100.0	1,371	2,631	2.99
All crop farms.....	2,816	2.3	27.2	27.9	29.3	133	860,726	5.37	4.04	27	(2)	24.3	35.6	37.5	1,303	778	2.36
All livestock farms.....	5,796	3.3	56.0	58.6	57.3	143	1,911,290	6.09	4.27	63	(2)	56.8	46.9	55.1	1,167	1,608	3.32
General crop and livestock farms...	1,712	2.2	16.5	13.4	13.4	140	415,283	5.68	4.06	11	(2)	9.9	15.9	6.4	3,429	215	3.84
All other farms.....	35	3.8	0.3	0.1	(2)	1,818	4,050	73.64	4.05	10	0.7	9.0	1.7	1.1	2,000	30	3.00
Area 1.....	372	0.4	100.0	100.0	100.0	181	137,779	8.12	4.48	2	(2)	100.0	100.0	100.0	2,667	58	6.44
All crop farms.....	107	0.4	28.8	34.9	36.0	176	45,796	7.50	4.27	1	(2)	50.0	83.3	55.6	4,000	50	10.00
All livestock farms.....	199	0.3	53.5	44.7	48.7	166	63,404	7.68	4.61	1	(2)	50.0	16.7	44.4	1,000	8	2.00
General crop and livestock farms...	56	0.7	15.0	19.8	15.2	236	27,929	10.80	4.58	...	...	...	...	...	...	...	...
All other farms.....	10	4.8	2.7	0.7	0.1	1,000	650	32.50	3.25	...	...	...	...	...	...	...	...
Area 2a.....	209	0.4	100.0	100.0	100.0	76	53,028	3.60	4.74	3	(2)	100.0	100.0	100.0	1,355	220	3.55
All crop farms.....	56	0.4	26.8	29.7	29.2	77	16,857	3.91	5.08	...	...	...	...	...	...	...	...
All livestock farms.....	118	0.5	56.5	58.5	60.4	73	31,293	3.51	4.78	2	(2)	66.7	97.6	98.4	1,344	215	3.52
General crop and livestock farms...	30	0.2	14.4	10.0	10.4	73	4,178	2.73									

USE OF FERTILIZER AND LIME

Table 6.—USE AND EXPENDITURES FOR FERTILIZER AND LIME OF COMMERCIAL FARMS BY TYPE OF FARM, BY ECONOMIC AREAS: CENSUS OF 1954—Continued

State, economic area, and type of farm	Fertilizer									Lime							
	Farms reporting use of fertilizer	Acres fertilized as a percent of total cropland plus improved pasture	Percent distribution of—			Quantity used per acre fertilized (lb.)	Expenditures (dollars)			Farms reporting use of lime	Acres limed as a percent of total cropland plus improved pasture	Percent distribution of—			Quantity used per acre limed (lb.)	Expenditures (dollars)	
			Farms reporting fertilizer	Fertilizer used	Acres fertilized		For fertilizer	Per acre fertilized	Per cent. of fertilizer used			Farms reporting lime	Lime used	Acres limed		For lime	Per acre limed
South Dakota—Continued																	
Area 3a.....	400	1.2	100.0	100.0	100.0	87	81,143	4.03	4.64	...	...	...	...	...	...	...
All crop farms.....	90	1.5	22.5	24.3	32.4	65	20,124	3.08	4.75	...	...	...	...	...	...	...
All livestock farms.....	261	1.2	65.3	65.7	58.7	97	52,808	4.47	4.60	...	...	...	...	...	...	...
General crop and livestock farms.....	49	0.8	12.2	10.1	8.9	99	8,211	4.60	4.67	...	...	...	...	...	...	...
All other farms.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Area 3b.....	1,677	3.2	100.0	100.0	100.0	132	470,677	6.03	4.57	35	(2)	100.0	100.0	100.0	2,256	695 3.56	
All crop farms.....	542	3.0	32.3	32.1	34.5	123	156,384	5.80	4.73	10	(2)	28.6	43.2	53.8	1,810	230 2.19	
All livestock farms.....	848	3.6	50.6	56.9	52.6	143	262,361	6.39	4.47	20	(2)	57.1	15.9	20.5	1,750	285 7.12	
General crop and livestock farms.....	287	2.4	17.1	11.0	12.9	112	51,932	5.16	4.59	5	(2)	14.3	40.9	25.6	3,600	180 3.60	
All other farms.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Area 4a.....	2,280	4.5	100.0	100.0	100.0	135	558,877	5.11	3.78	15	(2)	100.0	100.0	100.0	400	195 1.30	
All crop farms.....	691	4.4	30.3	35.4	36.2	132	193,391	4.88	3.70	...	...	...	...	...	...	...
All livestock farms.....	1,056	5.4	46.3	43.0	43.8	133	243,121	5.08	3.83	10	(2)	66.7	83.3	96.7	345	165 1.14	
General crop and livestock farms.....	533	3.4	23.4	21.6	19.9	146	122,365	5.62	3.84	5	(2)	33.3	16.7	3.3	2,000	30 6.00	
All other farms.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Area 4b.....	4,576	11.3	100.0	100.0	100.0	155	1,640,028	6.43	4.16	40	(2)	100.0	100.0	100.0	1,500	1,040 4.00	
All crop farms.....	984	8.9	21.5	21.2	21.7	151	318,504	5.77	3.81	5	(2)	12.5	5.1	7.7	1,000	110 5.50	
All livestock farms.....	2,982	13.1	65.2	68.1	67.2	157	1,148,859	6.71	4.28	25	(2)	62.5	89.7	88.5	1,522	900 3.91	
General crop and livestock farms.....	590	8.4	12.9	10.6	11.1	147	169,965	5.98	4.08	...	...	...	...	...	...	...
All other farms.....	20	4.3	0.4	0.2	(2)	2,000	2,700	90.00	4.50	10	1.4	25.0	5.1	3.8	2,000	30 3.00	
Tennessee, total.....	107,945	36.9	100.0	100.0	100.0	327	23,737,892	8.31	2.55	8,153	1.6	100.0	100.0	100.0	3,195	667,035 5.32	
All crop farms.....	68,054	40.4	63.0	51.2	48.6	344	12,606,387	9.08	2.64	2,526	0.8	31.0	22.5	23.2	3,102	168,386 5.80	
All livestock farms.....	26,430	33.1	24.5	32.9	35.2	306	7,559,435	7.53	2.46	3,935	2.3	48.3	56.7	56.8	3,190	360,501 5.06	
General crop and livestock farms.....	12,552	36.8	11.6	14.9	15.5	315	3,350,063	7.58	2.41	1,586	2.0	19.5	19.9	19.4	3,286	132,213 5.44	
All other farms.....	909	33.5	0.8	1.0	0.7	432	222,007	10.51	2.43	106	1.4	1.3	0.9	0.7	4,051	5,935 6.85	
Areas 1 and A.....	29,846	39.3	100.0	100.0	100.0	312	7,283,419	9.23	2.96	921	1.1	100.0	100.0	100.0	2,614	141,885 6.46	
All crop farms.....	26,537	42.8	88.9	76.8	77.6	309	5,671,910	9.26	3.00	477	0.7	51.8	38.5	42.8	2,352	58,748 6.26	
All livestock farms.....	2,088	30.8	7.0	16.1	15.4	328	1,104,879	9.12	2.78	309	2.3	33.6	43.4	40.6	2,795	58,729 6.59	
General crop and livestock farms.....	1,135	29.9	3.8	6.6	6.7	308	474,590	9.00	2.92	133	2.0	14.4	17.5	16.2	2,825	23,568 6.61	
All other farms.....	86	31.4	0.3	0.4	0.4	349	32,040	10.76	3.09	2	1.1	0.2	0.6	0.5	3,580	840 8.40	
Area 2.....	11,733	41.7	100.0	100.0	100.0	285	2,628,384	7.39	2.59	762	1.5	100.0	100.0	100.0	2,940	73,961 5.74	
All crop farms.....	8,061	46.5	68.7	63.1	59.6	302	1,690,557	7.97	2.64	245	0.7	32.2	22.9	24.5	2,754	18,705 5.93	
All livestock farms.....	2,322	35.4	19.8	24.3	26.1	266	622,257	6.71	2.52	361	2.8	47.4	61.4	57.9	3,120	40,351 5.41	
General crop and livestock farms.....	1,304	38.0	11.1	12.3	14.0	250	307,010	6.18	2.47	155	1.7	20.3	15.4	17.4	2,601	14,780 6.58	
All other farms.....	46	29.5	0.4	0.3	0.3	318	8,560	8.14	2.58	1	0.8	0.1	0.2	0.2	3,000	125 4.17	
Area 3.....	5,791	42.1	100.0	100.0	100.0	282	1,334,438	6.56	2.33	569	1.5	100.0	100.0	100.0	3,150	35,633 5.04	
All crop farms.....	3,152	45.8	54.4	46.3	45.0	290	616,630	6.74	2.32	186	1.0	32.7	22.6	29.1	2,448	8,357 4.07	
All livestock farms.....	1,992	37.9	34.4	40.8	41.9	274	545,714	6.40	2.34	307	1.7	54.0	58.3	52.7	3,485	20,591 5.52	
General crop and livestock farms.....	594	46.9	10.3	12.6	12.7	279	167,280	6.47	2.32	65	2.1	11.4	17.2	16.5	3,288	6,315 5.42	
All other farms.....	53	21.8	0.9	0.4	0.4	244	4,814	5.70	2.34	11	3.2	1.9	1.9	1.8	3,440	370 2.96	
Area 4.....	6,430	37.5	100.0	100.0	100.0	403	1,918,342	10.14	2.51	482	1.6	100.0	100.0	100.0	3,596	40,331 5.10	
All crop farms.....	4,309	38.2	67.0	58.7	51.6	459	1,129,210	11.57	2.52	180	0.9	37.3	30.5	30.2	3,597	12,160 5.10	
All livestock farms.....	1,063	31.1	16.5	16.1	20.4	319	311,553	8.08	2.53	176	2.9	36.5	63.6	44.8	3,459	18,336 5.18	
General crop and livestock farms.....	1,038	42.6	16.1	25.0	27.9	361	475,624	9.00	2.49	126	1.6	26.1	25.9	25.0	3,682	9,835 4.97	
All other farms.....	20	38.7	0.3	0.1	0.2	262	1,955	6.74	2.57	...	...	...	...	...	...	...
Areas 5 and B.....	13,505	26.7	100.0	100.0	100.0	267	2,373,357	6.44	2.41	982	1.5	100.0	100.0	100.0	2,549	79,443 3.80	
All crop farms.....	4,156	30.3	30.8	22.1	18.6	318	487,545	7.13	2.24	95	0.3	9.7	3.9	3.7	2,671	3,950 5.10	
All livestock farms.....	7,117	25.7	52.7	60.2	63.2	255	1,482,323	6.37	2.50	670	1.8	68.2	73.6	76.0	2,467	56,773 3.58	
General crop and livestock farms.....	2,172	27.4	16.1	17.5	18.0	260	398,249	6.01	2.31	202	1.7	20.6	22.1	19.7	2,870	18,345 4.47	
All other farms.....	60	15.5	0.4	0.2	0.2	262	5,240	6.02	2.30	15	2.2	1.5	0.4	0.6	1,680	375 3.00	
Area 6.....	11,287	39.9	100.0	100.0	100.0	331	2,473,421	7.80	2.36	1,284	2.0	100.0	100.0	100.0	3,665	84,201 5.25	
All crop farms.....	4,712	37.3	41.7	27.6	26.7	342	674,274	7.96	2.33	276	1.0	21.5	16.4	14.4	4,170	15,200 6.57	
All livestock farms.....	4,117	40.2	36.5	44.3	47.3	310	1,124,179	7.50	2.42	646	2.4	50.3	51.6	55.7	3,397	42,671 4.78	
General crop and livestock farms.....	2,229	42.1	19.7	24.4	24.0	336	583,922	7.68	2.28	332	2.6	25.9	30.6	29.1	3,856	25,045 5.36	
All other farms.....	229	45.9	2.0	3.6	2.0	603	91,046	14.35	2.38	30	0.9	2.3	1.4	0.8	6,154	1,285 9.88	
Area 7.....	1,883	40.5	100.0	100.0	100.0	368	696,887	9.61	2.61	362	2.9	100.0	100.0	100.0	4,772	33,088 6.42	
All crop farms.....	443	45.6	23.5	22.9	16.1	524	155,878	13.37	2.55	45	1.3	12.4	5.7	6.5	4,209	2,325 6.94	
All livestock farms.....	1,060	39.3	56.3	61.3	68.0	331	440,458	8.94	2.70	269	3.4	74.3	82.5	82.1	4,794	27,213 6.43	
General crop and livestock farms.....	335	43.3	17.8	14.6	14.4	374	92,736	8.90	2.38	47	2.3	13.0	10.8	10.6	4,860	3,175 5.84	
All other farms.....	45	27.8	2.4	1.2	1.6	293	7,815	6.90	2.35	1	1.0	0.3	1.0	0.8	5,952	375 8.93	
Areas 8a, C, and D.....	9,334	37.2	100.0	100.0	100.0	362	2,077,965	8.09	2.24	1,257	2.7	100.0	100.0	100.0	3,425	94,875 5.08	
All crop farms.....	4,332	31.9	46.4	28.0	25.4	398	577,760	8.84	2.22	346	1.8	27.5	20.1	19.5	3,530	19,456 5.35	
All livestock farms.....	3,315	39.6	35.5	54.7	55.7	355	1,142,460	7.99	2.25	669	3.3	53.2	62.1	64.7	3,286	58,899 4.87	
General crop and livestock farms.....	1,434	39.7	15.4	14.5	16.4	320	298,305	7.07	2.21	206	2.5	16.4	15.9	14.3	3,820	14,275 5.36	
All other farms.....	253	35.7	2.7	2.8	2.5	407	59,440	9.38	2.30	36	1.6	2.9	1.9	1.5	4,296	2,245 7.90	
Area 8b.....	18,136	36.1	100.0	100.0	100.0	424	2,951,679	9.72	2.29	1,534	1.8	100.0	100.0	100.0	3,663	83,618 5.61	
All crop farms.....	12,352	35.3	68.1	54.3	47.7	483											

USE OF FERTILIZER AND LIME

Table 6.—USE AND EXPENDITURES FOR FERTILIZER AND LIME OF COMMERCIAL FARMS BY TYPE OF FARM, BY ECONOMIC AREAS: CENSUS OF 1954—Continued

State, economic area, and type of farm	Fertilizer									Lime							
	Farms reporting use of fertilizer	Acres fertilized as a percent of total cropland plus improved pasture	Percent distribution of—			Quantity used per acre fertilized (lb.)	Expenditures (dollars)			Farms reporting use of lime	Acres limed as a percent of total cropland plus improved pasture	Percent distribution of—			Expenditures (dollars)		
			Farms reporting fertilizer	Fertilizer used	Acres fertilized		For fertilizer	Per acre fertilized	Per cent. of fertilizer used			Farms reporting lime	Lime used	Acres limed	Quantity used per acre limed (lb.)	For lime	Per acre limed
Texas, total.....	63,215	11.2	100.0	100.0	100.0	213	28,593,660	6.82	3.21	1,236	0.1	100.0	100.0	100.0	1,818	209,048	4.88
All crop farms.....	32,058	11.0	50.7	60.4	59.7	215	18,959,932	7.57	3.52	326	(Z)	26.4	19.8	21.7	1,662	43,100	4.64
All livestock farms.....	21,734	10.2	34.4	28.0	29.0	205	6,803,914	5.59	2.73	767	0.3	62.1	74.4	72.3	1,869	155,144	5.01
General crop and livestock farms...	8,495	16.0	13.4	10.6	10.6	212	2,570,346	5.78	2.73	122	0.1	9.9	3.6	4.5	1,477	6,380	3.35
All other farms.....	928	22.4	1.5	1.1	0.7	345	259,468	9.20	2.66	21	0.5	1.7	2.2	1.5	2,555	4,424	6.67
Areas 1a and A.....	843	33.8	100.0	100.0	100.0	308	2,307,190	15.21	4.93	6	0.1	100.0	100.0	100.0	3,931	5,400	9.31
All crop farms.....	754	46.2	89.4	93.2	93.2	308	2,207,833	15.61	5.06	6	0.1	100.0	100.0	100.0	3,931	5,400	9.31
All livestock farms.....	67	4.0	7.9	3.9	3.5	341	44,223	8.22	2.41	...	...	...	...	...	...	...	...
General crop and livestock farms...	22	48.8	2.6	2.8	3.2	272	55,134	11.29	4.15	...	...	...	...	...	...	...	...
All other farms.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Area 1b.....	156	1.2	100.0	100.0	100.0	184	67,548	5.72	3.10	1	(Z)	100.0	100.0	100.0	2,000	750	6.00
All crop farms.....	27	6.3	17.3	34.7	32.0	206	26,982	7.15	3.58	...	...	...	...	...	...	...	...
All livestock farms.....	117	0.8	75.0	60.1	65.1	170	37,701	4.91	2.88	1	(Z)	100.0	100.0	100.0	2,000	750	6.00
General crop and livestock farms...	12	4.9	7.7	5.2	2.9	328	2,865	8.23	2.51	...	...	...	...	...	...	...	...
All other farms.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Area 2.....	1,558	5.2	100.0	100.0	100.0	151	338,190	4.83	3.19	6	(Z)	100.0	100.0	100.0	196	315	1.24
All crop farms.....	175	3.9	11.2	13.8	14.2	147	46,934	4.71	3.21	...	...	...	...	...	...	...	...
All livestock farms.....	1,257	5.3	80.7	80.5	79.6	153	271,966	4.88	3.19	6	(Z)	100.0	100.0	100.0	196	315	1.24
General crop and livestock farms...	121	7.4	7.8	5.5	6.1	136	18,840	4.40	3.24	...	...	...	...	...	...	...	...
All other farms.....	5	2.4	0.3	0.2	(Z)	1,067	450	30.00	2.81	...	...	...	...	...	...	...	...
Area 3.....	663	11.2	100.0	100.0	100.0	279	788,209	8.95	3.21	...	...	...	...	...	...	...	...
All crop farms.....	419	24.2	63.2	74.2	63.2	327	571,580	10.28	3.14	...	...	...	...	...	...	...	...
All livestock farms.....	199	4.8	30.0	17.4	29.0	167	145,903	5.71	3.42	...	...	...	...	...	...	...	...
General crop and livestock farms...	44	23.2	6.6	8.4	7.8	299	70,426	10.26	3.44	...	...	...	...	...	...	...	...
All other farms.....	1	8.3	0.2	0.1	(Z)	457	300	8.57	1.88	...	...	...	...	...	...	...	...
Area 4.....	2,281	5.0	100.0	100.0	100.0	164	2,084,644	6.78	4.15	6	(Z)	100.0	100.0	100.0	3,273	1,380	6.27
All crop farms.....	1,891	5.5	82.9	82.4	83.3	162	1,727,621	6.75	4.17	6	(Z)	100.0	100.0	100.0	3,273	1,380	6.27
All livestock farms.....	151	1.3	6.6	4.9	5.3	151	116,746	7.13	4.73	...	...	...	...	...	...	...	...
General crop and livestock farms...	234	13.2	10.3	12.7	11.4	183	239,827	6.85	3.75	...	...	...	...	...	...	...	...
All other farms.....	5	100.0	0.2	(Z)	(Z)	2,000	450	90.00	4.50	...	...	...	...	...	...	...	...
Area 5.....	1,421	2.6	100.0	100.0	100.0	277	1,044,656	9.39	3.39	6	(Z)	100.0	100.0	100.0	2,000	300	6.00
All crop farms.....	1,234	2.3	86.8	78.7	85.7	254	895,601	9.40	3.70	6	(Z)	100.0	100.0	100.0	2,000	300	6.00
All livestock farms.....	48	2.0	3.4	1.7	1.7	265	15,417	8.04	3.03	...	...	...	...	...	...	...	...
General crop and livestock farms...	139	16.0	9.8	19.0	12.6	431	133,638	9.53	2.21	...	...	...	...	...	...	...	...
All other farms.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Area 6a.....	1,340	2.0	100.0	100.0	100.0	120	386,340	3.62	3.00	...	...	...	...	...	...	...	...
All crop farms.....	882	1.9	65.8	57.1	65.0	106	219,301	3.16	2.99	...	...	...	...	...	...	...	...
All livestock farms.....	262	2.2	19.6	25.2	21.8	141	108,785	4.71	3.35	...	...	...	...	...	...	...	...
General crop and livestock farms...	176	3.5	13.1	16.8	13.3	152	51,219	3.61	2.38	...	...	...	...	...	...	...	...
All other farms.....	20	3.4	1.5	0.9	0.1	2,000	7,035	117.25	5.86	...	...	...	...	...	...	...	...
Area 6b.....	479	3.9	100.0	100.0	100.0	148	124,520	3.92	2.65	1	0.1	100.0	100.0	100.0	2,143	2,587	3.70
All crop farms.....	166	4.4	34.7	34.3	33.7	151	36,531	3.42	2.26	...	...	...	...	...	...	...	...
All livestock farms.....	222	3.8	46.3	56.2	56.7	147	76,714	4.26	2.90	1	0.1	100.0	100.0	100.0	2,143	2,587	3.70
General crop and livestock farms...	91	3.5	19.0	9.5	9.6	147	11,275	3.69	2.52	...	...	...	...	...	...	...	...
All other farms.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Area 7a.....	3,537	21.8	100.0	100.0	100.0	138	781,990	3.55	2.57	25	(Z)	100.0	100.0	100.0	736	1,010	2.32
All crop farms.....	1,049	37.9	29.7	30.5	34.3	123	250,381	3.32	2.70	10	0.1	40.0	84.4	50.6	1,227	595	2.70
All livestock farms.....	1,914	15.9	54.1	52.8	49.7	147	413,557	3.78	2.57	15	(Z)	60.0	15.6	49.4	233	415	1.93
General crop and livestock farms...	548	28.8	15.5	16.4	15.8	143	115,142	3.30	2.31	...	...	...	...	...	...	...	...
All other farms.....	26	16.1	0.7	0.3	0.3	139	2,910	5.20	3.73	...	...	...	...	...	...	...	...
Area 7b and B.....	1,626	10.7	100.0	100.0	100.0	168	384,967	4.85	2.89	31	0.1	100.0	100.0	100.0	1,704	2,665	4.81
All crop farms.....	437	9.5	26.9	28.1	32.7	144	114,382	4.42	3.06	5	(Z)	16.1	1.1	9.0	200	25	0.50
All livestock farms.....	822	11.7	50.6	54.5	49.3	186	209,524	5.36	2.89	21	0.1	67.7	96.8	89.2	1,850	2,560	5.18
General crop and livestock farms...	337	9.8	20.7	14.3	15.9	151	51,141	4.06	2.68	5	(Z)	16.1	2.1	1.8	2,000	80	8.00
All other farms.....	30	43.6	1.8	3.2	2.1	248	9,920	5.85	2.36	...	...	...	...	...	...	...	...
Area 7c.....	730	4.4	100.0	100.0	100.0	124	116,081	3.84	3.09	5	(Z)	100.0	100.0	100.0	267	225	3.00
All crop farms.....	58	3.1	7.9	9.4	8.9	131	12,335	4.98	3.50	...	...	...	...	...	...	...	...
All livestock farms.....	599	4.9	82.1	81.7	81.1	125	93,458	3.81	3.04	...	...	...	...	...	...	...	...
General crop and livestock farms...	68	3.0	9.3	8.9	10.0	111	10,238	3.38	3.05	5	0.1	100.0	100.0	100.0	267	225	3.00
All other farms.....	5	2.0	0.7	0.1	(Z)	400	50	10.00	2.50	...	...	...	...	...	...	...	...
Areas 8, C, D, and E.....	9,369	9.5	100.0	100.0	100.0	187	2,291,227	4.91	2.63	173	0.1	100.0	100.0	100.0	1,235	20,554	3.53
All crop farms.....	5,764	8.0	61.5	54.4	55.6	183	1,254,983	4.84	2.65	90	0.1	52.0	29.3	35.3	1,023	6,105	2.96
All livestock farms.....	2,371	13.7	25.3	32.0	31.6	189	748,028	5.08	2.69	72	0.3	41.6	64.5	61.2	1,300	13,699	3.84
General crop and livestock farms...	1,183	10.3	12.6	13.2	12.6	195	276,502	4.69	2.41	11	(Z)	6.4	6.2	3.4	2,250	750	3.75
All other farms.....	51	13.7	0.5	0.5	0.2	467	11,714	13.16	2.82	...	...	...	...	...	...	...	...
Area 9.....	4,686	27.2	100.0	100.0	100.0	215	1,500,278	5.68	2.65	71	0.5	100.0	100.0	100.0	1,178	12,542	2.62
All crop farms.....	2,008	29.1	42.9	37.8	41.7	195	565,748	5.34	2.64	9	0.1	12.7	12.1	4.4	3,238	1,775	8.45
All livestock farms.....	1,916	24.0	40.9	48.8	45.7	229	736,072	6.10	2.66	55	0.9	77.5	84.7	93.2	1,070	10,172	2.28
General crop and livestock farms...	751	37.7	16.0	13.3	12.6	227	197,132	5.93	2.61	6	0.1	8.5	1.2	1.3	1,167	255	4.25
All other farms.....	11	20.8	0.2	0.1	(Z)	420	1,326	13.26	3.16	1	11.9	1.4	2.0	1.2	2,000	340	5.96

Z Less than 0.05.

Table 6.-USE AND EXPENDITURES FOR FERTILIZER AND LIME OF COMMERCIAL FARMS BY TYPE OF FARM, BY ECONOMIC

AREAS: CENSUS OF 1954-Continued

State, economic area, and type of farm	Fertilizer									Lime							
	Farms reporting use of fertilizer	Acres fertilized as a percent of total cropland plus improved pasture	Percent distribution of—			Quantity used per acre fertilized (lb.)	Expenditures (dollars)			Farms reporting use of lime	Acres limed as a percent of total cropland plus improved pasture	Percent distribution of—			Expenditures (dollars)		
			Farms reporting fertilizer	Fertilizer used	Acres fertilized		For fertilizer	Per acre fertilized	Per cent. of fertilizer used			Farms reporting lime	Lime used	Acres limed	For lime	Per acre limed	
Texas—Continued																	
Area 10.....	4,615	19.1	100.0	100.0	100.0	201	829,989	5.17	2.58	37	(2)	100.0	100.0	100.0	937	1,492	3.78
All crop farms.....	1,557	15.9	33.7	34.8	33.5	208	279,991	5.20	2.50	5	(2)	13.5	8.1	3.8	2,000	140	9.33
All livestock farms.....	1,639	20.9	35.5	41.3	41.6	199	368,784	5.53	2.77	7	(2)	18.9	48.6	24.1	1,895	322	3.39
General crop and livestock farms.....	1,412	21.8	30.6	23.9	24.9	193	180,810	4.53	2.35	25	0.2	67.6	43.2	72.2	561	1,030	3.61
All other farms.....	7	5.7	0.2	0.1	(2)	256	404	5.18	2.02	...	...	...	...	...	...	...	...
Areas 11 and F.....	3,670	10.8	100.0	100.0	100.0	147	1,125,579	4.42	3.00	11	(2)	100.0	100.0	100.0	959	227	1.88
All crop farms.....	1,193	7.8	32.5	32.1	33.0	143	391,017	4.65	3.25	5	(2)	45.5	86.2	49.6	1,667	170	2.83
All livestock farms.....	1,615	11.9	44.0	46.1	44.9	151	500,544	4.38	2.90	5	(2)	45.5	8.6	45.5	182	45	0.82
General crop and livestock farms.....	812	17.9	22.1	21.3	22.0	143	228,648	4.08	2.86	1	(2)	9.1	5.2	5.0	1,000	12	2.00
All other farms.....	50	25.9	1.4	0.5	0.1	702	5,370	18.84	2.68	...	...	...	...	...	...	...	...
Area 12.....	14,344	32.8	100.0	100.0	100.0	265	4,150,200	6.44	2.43	529	0.9	100.0	100.0	100.0	2,045	102,603	5.52
All crop farms.....	6,332	40.3	44.1	38.8	39.4	261	1,630,409	6.43	2.47	75	0.3	14.2	7.9	10.1	1,594	8,050	4.28
All livestock farms.....	5,706	27.3	39.8	44.8	45.0	263	1,849,474	6.38	2.42	398	1.4	75.2	85.3	82.8	2,107	88,693	5.76
General crop and livestock farms.....	1,837	39.1	12.8	12.6	12.7	264	503,476	6.17	2.34	44	0.4	8.3	3.1	4.5	1,422	2,388	2.88
All other farms.....	469	30.2	3.3	3.9	2.9	346	166,841	8.80	2.54	12	0.8	2.3	3.7	2.6	2,901	3,472	7.14
Area 13.....	2,509	28.5	100.0	100.0	100.0	249	602,220	6.62	2.66	171	1.1	100.0	100.0	100.0	2,152	19,486	5.67
All crop farms.....	1,172	39.0	46.7	44.6	48.5	229	264,797	6.00	2.62	36	0.6	21.1	15.0	18.2	1,776	2,300	3.68
All livestock farms.....	1,116	23.4	44.5	48.9	46.2	263	299,907	7.13	2.71	123	1.5	71.9	80.1	76.6	2,251	16,576	6.29
General crop and livestock farms.....	132	24.5	5.3	3.6	3.0	290	21,013	7.57	2.61	10	1.2	5.8	4.1	4.1	2,143	490	3.50
All other farms.....	89	13.2	3.5	3.0	2.3	326	16,503	8.00	2.46	2	0.3	1.2	0.8	1.2	1,500	120	3.00
Areas 14, G, and H.....	6,243	32.5	100.0	100.0	100.0	220	6,984,178	8.35	3.80	136	0.2	100.0	100.0	100.0	1,998	30,822	5.51
All crop farms.....	4,064	40.2	64.8	8.5	85.6	217	6,091,031	8.51	3.92	52	0.1	38.2	29.8	40.4	1,473	10,170	4.50
All livestock farms.....	1,593	13.4	25.5	12.2	11.2	239	689,387	7.33	3.07	63	0.4	46.3	63.8	52.8	2,412	19,010	6.43
General crop and livestock farms.....	484	33.0	7.8	3.0	3.0	225	187,375	7.52	3.34	15	0.4	11.0	5.5	5.4	2,033	1,150	3.83
All other farms.....	122	12.2	2.0	0.3	0.2	288	16,385	8.74	3.03	6	0.5	4.4	1.0	1.4	1,375	492	6.15
Area 15.....	3,145	24.2	100.0	100.0	100.0	263	2,685,654	10.01	3.81	21	0.1	100.0	100.0	100.0	1,610	6,690	6.37
All crop farms.....	2,896	24.2	92.1	88.6	88.4	263	2,372,475	10.00	3.79	21	0.1	100.0	100.0	100.0	1,610	6,690	6.37
All livestock farms.....	120	14.8	3.8	3.1	5.6	146	77,724	5.18	3.55	...	...	...	...	...	...	...	...
General crop and livestock farms.....	92	57.2	2.9	7.4	5.4	361	215,645	14.96	4.34	...	...	...	...	...	...	...	...
All other farms.....	37	57.5	1.2	0.9	0.6	391	19,810	12.51	3.20	...	...	...	...	...	...	...	...
Utah, total.....	5,650	7.4	100.0	100.0	100.0	258	1,514,992	9.45	3.66	41	(2)	100.0	100.0	100.0	1,049	773	2.01
All crop farms.....	1,372	5.9	24.3	27.9	24.1	298	457,184	11.82	3.97	5	(2)	12.2	2.5	2.6	1,000	20	2.00
All livestock farms.....	2,851	6.8	50.5	43.9	48.8	232	632,041	8.07	3.49	26	(2)	63.4	35.6	61.0	613	353	1.50
General crop and livestock farms.....	1,361	12.3	24.1	25.6	26.7	247	401,032	9.38	3.79	10	(2)	24.4	61.9	36.4	1,786	400	2.86
All other farms.....	66	33.6	1.2	2.7	0.4	1,698	24,735	37.76	2.22	...	...	...	...	...	...	...	...
Area 1.....	2,094	7.1	100.0	100.0	100.0	219	569,955	8.52	3.89	11	(2)	100.0	100.0	100.0	1,588	333	2.08
All crop farms.....	411	4.9	19.6	27.3	25.7	233	163,659	9.51	4.09	...	...	...	...	...	...	...	...
All livestock farms.....	1,195	7.3	57.1	49.6	51.6	210	264,787	7.67	3.64	6	(2)	54.5	5.5	31.3	280	33	0.66
General crop and livestock farms.....	483	13.9	23.1	23.0	22.6	223	141,009	9.31	4.17	5	0.1	45.5	94.5	68.8	2,182	300	2.73
All other farms.....	5	1.7	0.2	0.1	(2)	500	500	25.00	5.00	...	...	...	...	...	...	...	...
Areas 2 and A.....	2,154	15.3	100.0	100.0	100.0	307	562,692	11.11	3.62	25	(2)	100.0	100.0	100.0	759	255	1.76
All crop farms.....	775	14.2	36.0	29.6	26.6	341	178,680	13.24	3.88	5	(2)	20.0	9.1	6.9	1,000	20	2.00
All livestock farms.....	787	12.1	36.5	35.3	38.8	278	193,512	9.83	3.53	15	0.1	60.0	81.8	72.4	857	135	1.29
General crop and livestock farms.....	531	22.9	24.7	28.0	33.3	258	166,265	9.86	3.82	5	(2)	20.0	9.1	20.7	333	100	3.33
All other farms.....	61	78.9	2.8	7.1	1.3	1,735	24,235	38.17	2.20	...	...	...	...	...	...	...	...
Area 3.....	1,402	4.8	100.0	100.0	100.0	260	382,345	8.94	3.43	5	(2)	100.0	100.0	100.0	500	185	2.31
All crop farms.....	186	3.8	13.3	26.2	18.7	366	114,845	14.39	3.93	...	...	...	...	...	...	...	...
All livestock farms.....	869	4.7	62.0	48.3	56.2	224	173,742	7.22	3.23	5	(2)	100.0	100.0	100.0	500	185	2.31
General crop and livestock farms.....	347	6.5	24.8	25.5	25.1	264	93,758	8.73	3.30	...	...	...	...	...	...	...	...
All other farms.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Vermont, total.....	7,493	19.7	100.0	100.0	100.0	431	2,129,877	10.38	2.41	4,114	5.3	100.0	100.0	100.0	2,334	298,552	5.42
All crop farms.....	120	61.0	2.4	10.2	5.0	882	238,135	23.18	2.63	38	3.8	0.9	1.1	1.2	2,281	3,196	4.99
All livestock farms.....	6,988	19.3	93.2	86.7	92.0	404	1,819,595	9.64	2.37	3,932	5.4	95.6	94.3	94.9	2,318	281,453	5.38
General crop and livestock farms.....	179	15.2	2.4	2.3	2.3	431	49,597	10.61	2.46	97	5.3	2.4	3.9	3.0	3,069	11,210	6.89
All other farms.....	151	9.8	2.0	0.8	0.8	448	22,550	14.46	3.23	47	3.4	1.1	0.7	1.0	1,688	2,693	5.00
Area 1.....	3,403	18.9	100.0	100.0	100.0	410	967,314	9.73	2.37	1,852	5.1	100.0	100.0	100.0	2,174	123,146	4.57
All crop farms.....	87	51.0	1.7	6.8	2.9	970	70,700	24.66	2.54	11	2.5	0.6	0.4	0.5	1,643	460	3.29
All livestock farms.....	3,298	18.7	96.9	92.1	95.8	394	883,445	9.28	2.35	1,826	5.3	98.6	98.9	99.1	2,169	121,866	4.56
General crop and livestock farms.....	41	13.8	1.2	1.0	1.2	347	12,230	10.15	2.93	10	1.0	0.5	0.6	0.3	4,471	710	8.35
All other farms.....	7	2.7	0.2	0.1	0.1	338	939	12.19	3.61	5	0.4	0.3	(2)	(2)	1,000	110	11.00
Area 2.....	4,095	20.6	100.0	100.0	100.0	450	1,162,563	10.98	2.44	2,262	5.5	100.0	100.0	100.0	2,488	175,406	6.23
All crop farms.....	123	66.0	3.0	13.2	7.0	848	167,435	22.61	2.67	27	4.5	1.2	1.8	1.8	2,460	2,736	5.47
All livestock farms.....	3,640	20.0	90.1	82.0	88.3	418	936,150	10.01	2.40	2,106	5.5	93.1	90.4	90.9	2,474	159,587	6.24
General crop and livestock farms.....	138	15.8	3.4	3.4	3.3	460	37,367	10.77	2.34	87	7.0	3.8	6.6	5.5	2,992	10,500	6.81
All other farms.....	144	11.3	3.5	1.4	1.4	453	21,611	14.58	3.22	42	4.0	1.9	1.3	1.9	1,701	2,583	4.88
Virginia, total.....	63,274	45.7	100.0	100.0	100.0	593	26,399,651	12.56	2.27								

USE OF FERTILIZER AND LIME

Table 6.—USE AND EXPENDITURES FOR FERTILIZER AND LIME OF COMMERCIAL FARMS BY TYPE OF FARM, BY ECONOMIC AREAS: CENSUS OF 1954—Continued

State, economic area, and type of farm	Fertilizer								Lime								
	Farms reporting use of fertilizer	Acres fertilized as a percent of total cropland plus improved pasture	Percent distribution of—			Quantity used per acre fertilized (lb.)	Expenditures (dollars)			Farms reporting use of lime	Acres limed as a percent of total cropland plus improved pasture	Percent distribution of—			Expenditures (dollars)		
			Farms reporting fertilizer	Fertilizer used	Acres fertilized		For fertilizer	Per acre fertilized	Per cent. of fertilizer used			Farms reporting lime	Lime used	Acres limed	For lime	Per acre limed	
Virginia—Continued																	
Area 1.....	2,085	27.2	100.0	100.0	100.0	435	328,627	10.00	2.30	184	2.4	100.0	100.0	100.0	3,169	16,384	5.63
All crop farms.....	1,355	34.0	65.0	45.4	36.3	545	148,834	12.48	2.29	35	1.0	19.0	8.6	11.8	2,290	1,365	3.96
All livestock farms.....	534	25.4	25.6	47.4	56.5	365	156,210	8.41	2.31	113	3.1	61.4	76.2	78.2	3,089	12,675	5.57
General crop and livestock farms.....	181	18.9	8.7	7.0	7.0	438	22,905	10.02	2.29	36	2.4	19.6	15.2	10.0	4,841	2,344	8.08
All other farms.....	15	21.1	0.7	0.2	0.3	280	678	6.78	2.42	...	...	...	...	...	...	...	...
Area 2.....	9,035	37.8	100.0	100.0	100.0	443	1,808,002	10.46	2.36	1,692	6.3	100.0	100.0	100.0	4,493	200,630	7.00
All crop farms.....	4,162	44.4	46.1	27.8	24.5	503	501,340	11.83	2.35	201	1.4	11.9	4.5	4.7	4,361	9,740	7.30
All livestock farms.....	3,831	36.3	42.4	61.1	63.1	429	1,100,202	10.09	2.35	1,247	8.3	73.7	87.8	87.2	4,527	173,436	6.95
General crop and livestock farms.....	970	34.6	10.7	10.5	11.4	409	196,730	9.99	2.44	223	3.7	13.2	6.8	7.3	4,237	14,594	7.01
All other farms.....	72	41.8	0.8	0.6	1.0	251	9,730	5.57	2.22	21	6.3	1.2	0.8	0.9	3,992	2,860	10.87
Areas 3 and A.....	3,737	28.8	100.0	100.0	100.0	493	1,106,914	10.70	2.17	1,349	6.1	100.0	100.0	100.0	3,125	119,303	5.44
All crop farms.....	205	40.4	5.5	5.4	6.8	389	65,453	9.26	2.38	30	0.7	2.2	0.6	0.6	3,231	585	4.50
All livestock farms.....	3,050	28.5	81.6	83.4	81.4	506	921,697	10.94	2.16	1,137	6.4	84.3	85.4	86.5	3,086	101,201	5.33
General crop and livestock farms.....	408	28.6	10.9	10.0	10.8	454	106,704	9.53	2.10	157	6.8	11.6	13.3	12.1	3,432	16,407	6.18
All other farms.....	74	15.6	2.0	1.2	1.0	612	13,060	12.94	2.11	25	2.9	1.9	0.7	0.8	2,649	1,110	6.00
Area 4.....	4,750	38.5	100.0	100.0	100.0	410	1,754,687	8.88	2.16	1,136	4.3	100.0	100.0	100.0	3,243	115,409	5.19
All crop farms.....	446	53.4	9.4	17.4	19.2	372	349,376	9.22	2.48	70	3.0	6.2	9.5	9.4	3,260	9,282	4.43
All livestock farms.....	3,666	35.5	77.2	70.3	68.0	424	1,199,076	8.43	2.11	919	4.5	80.9	78.6	77.0	3,310	93,777	5.47
General crop and livestock farms.....	616	39.2	13.0	11.3	12.2	380	189,945	7.85	2.07	145	4.8	12.8	11.6	13.2	2,833	12,005	4.08
All other farms.....	22	57.1	0.5	1.0	0.6	693	16,290	13.58	1.96	2	3.3	0.2	0.3	0.3	3,429	345	4.93
Areas 5 and B.....	4,678	37.4	100.0	100.0	100.0	464	2,992,171	10.20	2.20	2,162	10.5	100.0	100.0	100.0	2,694	495,863	6.02
All crop farms.....	385	46.2	8.2	9.0	9.7	433	285,864	10.04	2.32	132	7.7	6.1	5.6	5.8	2,614	25,509	5.38
All livestock farms.....	3,626	36.5	77.5	81.4	80.1	471	2,405,691	10.23	2.17	1,765	11.1	81.6	87.0	87.1	2,691	429,252	5.98
General crop and livestock farms.....	560	38.6	12.0	7.8	8.6	420	243,033	9.67	2.30	227	7.5	10.5	5.9	5.9	2,668	33,021	6.77
All other farms.....	107	35.9	2.3	1.8	1.6	509	57,583	11.99	2.36	38	7.4	1.8	1.5	1.2	3,378	8,081	8.21
Areas 6 and C.....	8,897	44.2	100.0	100.0	100.0	487	3,064,989	10.89	2.24	2,223	5.4	100.0	100.0	100.0	2,918	252,653	7.34
All crop farms.....	4,685	47.0	52.7	37.2	35.4	511	1,162,320	11.67	2.28	792	4.7	35.6	22.6	29.2	2,259	60,375	6.01
All livestock farms.....	2,632	43.6	29.6	45.7	46.7	476	1,381,180	10.51	2.21	1,004	6.1	45.2	58.8	53.6	3,203	146,836	7.96
General crop and livestock farms.....	1,395	41.8	15.7	15.2	15.7	472	458,610	10.39	2.20	394	5.0	17.7	16.4	15.3	3,120	40,613	7.69
All other farms.....	185	34.6	2.1	1.8	2.2	409	62,879	10.23	2.50	33	3.8	1.5	2.2	1.9	3,362	4,829	7.20
Area 7.....	18,742	44.9	100.0	100.0	100.0	628	5,382,336	15.34	2.44	1,942	3.0	100.0	100.0	100.0	2,537	160,458	7.05
All crop farms.....	16,773	45.5	89.5	80.0	74.6	674	4,385,414	16.76	2.49	1,292	1.8	66.5	46.5	45.6	2,590	79,296	7.64
All livestock farms.....	1,108	44.2	6.2	13.4	16.8	500	660,862	11.21	2.24	472	7.5	24.3	42.2	43.9	2,436	63,847	6.38
General crop and livestock farms.....	525	42.7	2.8	4.9	6.1	508	250,702	11.67	2.30	133	3.3	6.8	8.1	7.4	2,792	12,218	7.29
All other farms.....	276	40.1	1.5	1.7	2.5	424	85,358	9.68	2.29	45	3.2	2.3	3.2	3.1	2,577	5,097	7.18
Areas 8 and 9.....	3,861	63.0	100.0	100.0	100.0	465	2,409,668	10.34	2.22	1,517	9.5	100.0	100.0	100.0	1,789	225,381	6.41
All crop farms.....	1,922	64.9	49.8	48.9	51.0	446	1,168,709	9.82	2.20	730	9.4	48.1	43.6	49.2	1,585	101,262	5.86
All livestock farms.....	1,075	58.6	27.8	33.4	30.9	503	792,848	11.01	2.19	503	9.1	33.2	36.9	31.8	2,079	75,768	6.78
General crop and livestock farms.....	734	65.6	19.0	15.6	16.0	452	393,991	10.54	2.33	323	10.9	16.7	17.7	17.6	1,794	44,566	7.20
All other farms.....	130	69.5	3.4	2.1	2.0	476	54,120	11.39	2.39	31	7.4	2.0	1.8	1.4	2,277	3,785	7.50
Area 10.....	5,723	79.6	100.0	100.0	100.0	676	4,578,822	15.66	2.32	1,209	4.9	100.0	100.0	100.0	1,433	108,616	6.06
All crop farms.....	4,292	79.0	75.0	67.3	69.3	656	3,075,124	15.19	2.32	927	4.8	76.7	60.1	68.5	1,258	68,584	5.99
All livestock farms.....	673	79.8	11.8	17.0	15.3	753	767,111	17.20	2.28	108	4.3	8.9	15.9	13.3	1,709	14,276	5.99
General crop and livestock farms.....	696	82.4	12.2	14.9	14.9	676	701,180	16.07	2.38	163	5.6	13.5	21.8	16.6	1,884	23,731	7.98
All other farms.....	62	82.6	1.1	0.8	0.6	976	35,407	21.87	2.24	11	14.9	0.9	2.2	1.6	1,945	2,025	6.91
Areas 11 and D.....	1,766	70.1	100.0	100.0	100.0	977	2,973,435	20.67	2.12	668	10.5	100.0	100.0	100.0	1,984	155,196	7.22
All crop farms.....	1,197	72.9	67.8	75.9	70.0	1,060	2,241,711	22.26	2.10	465	10.8	69.6	67.0	69.2	1,922	107,270	7.21
All livestock farms.....	239	61.2	13.5	8.6	13.3	628	268,879	14.02	2.23	83	8.5	12.4	15.7	12.3	2,528	22,970	8.67
General crop and livestock farms.....	289	64.6	16.4	13.2	13.0	994	399,140	21.36	2.15	104	11.3	15.6	12.2	15.2	1,584	18,301	5.58
All other farms.....	41	76.3	2.3	2.3	3.7	607	63,705	12.02	1.98	16	10.0	2.4	5.1	3.2	3,108	6,655	9.58
Washington, total.....	19,003	23.2	100.0	100.0	100.0	174	13,924,448	7.94	4.57	1,223	0.3	100.0	100.0	100.0	2,377	276,943	11.78
All crop farms.....	11,562	24.3	60.8	74.7	84.1	154	11,083,729	7.52	4.87	231	0.1	18.9	19.2	17.3	2,636	56,010	13.77
All livestock farms.....	5,339	16.0	28.1	15.0	10.3	253	1,598,124	8.82	3.49	889	1.5	72.7	62.6	72.0	2,066	171,419	10.13
General crop and livestock farms.....	1,520	27.1	8.0	9.0	5.2	298	1,095,992	11.94	4.01	36	0.6	2.9	15.8	8.3	4,512	42,770	21.88
All other farms.....	582	15.1	3.1	1.2	0.4	563	146,603	21.91	3.89	67	1.3	5.5	2.4	2.4	2,428	6,744	12.02
Area 1.....	594	11.6	100.0	100.0	100.0	235	86,704	7.54	3.21	61	0.5	100.0	100.0	100.0	1,465	3,555	7.04
All crop farms.....	151	27.4	26.3	10.2	7.3	329	10,025	11.96	3.63	...	...	...	...	...	...	...	...
All livestock farms.....	355	11.3	61.8	80.3	82.7	228	69,808	7.34	3.22	46	0.4	75.4	82.4	72.3	1,671	2,835	7.77
General crop and livestock farms.....	40	23.6	7.0	7.6	7.9	226	4,800	5.27	2.33	5	0.1	8.2	2.7	1.0	4,000	100	20.00
All other farms.....	28	3.2	4.9	1.9	2.1	207	2,071	8.56	4.14	10	1.8	16.4	14.9	26.7	85	620	4.59
Area 2.....	3,030	33.3	100.0	100.0	100.0	366	1,261,020	13.14	3.59	726	5.5	100.0	100.0	100.0	2,807	214,880	13.63
All crop farms.....	695	65.0	22.9	34.4	23.2	544	462,265	20.80	3.82	85	7.4	11.7	18.5	16.1	3,210	39,620	15.57
All livestock farms.....	2,092	27.0	69.0	50.													

USE OF FERTILIZER AND LIME

307

Table 6.—USE AND EXPENDITURES FOR FERTILIZER AND LIME OF COMMERCIAL FARMS BY TYPE OF FARM, BY ECONOMIC AREAS: CENSUS OF 1954—Continued

State, economic area, and type of farm	Fertilizer									Lime							
	Farms reporting use of fertilizer	Acres fertilized as a percent of total cropland plus improved pasture	Percent distribution of—			Quantity used per acre fertilized (lb.)	Expenditures (dollars)			Farms reporting use of lime	Acres limed as a percent of total cropland plus improved pasture	Percent distribution of—			Expenditures (dollars)		
			Farms reporting use of fertilizer	Fertilizer used	Acres fertilized		For fertilizer	Per acre fertilized	Per cent. of fertilizer used			Farms reporting use of lime	Lime used	Acres limed	For lime	Per acre limed	
Washington—Continued																	
Areas 4 and C.....	1,400	17.6	100.0	100.0	100.0	256	34,688	9.17	3.58	151	1.9	100.0	100.0	100.0	1,128	21,914	5.40
All crop farms.....	34	30.4	24.6	29.4	17.3	437	90,445	13.97	3.20	15	0.9	9.9	12.2	4.6	3,027	3,920	21.19
All livestock farms.....	852	15.3	60.9	54.9	64.8	218	197,242	8.13	3.74	126	2.2	83.4	70.9	85.8	933	15,994	4.59
General crop and livestock farms...	112	19.8	8.0	8.9	11.4	201	29,721	6.94	3.46	5	1.7	3.3	15.7	8.9	2,000	1,750	4.86
All other farms.....	92	21.0	6.6	6.7	6.5	263	26,280	10.72	4.08	5	0.3	3.3	1.1	0.7	1,667	250	8.33
Area 5a.....	1,894	18.7	100.0	100.0	100.0	342	611,302	13.58	3.97	30	0.3	100.0	100.0	100.0	843	2,535	3.05
All crop farms.....	1,724	28.1	91.0	89.5	84.7	361	557,586	14.62	4.05	20	0.5	66.7	94.3	85.5	930	2,360	3.32
All livestock farms.....	128	6.6	6.8	8.9	13.6	224	44,641	7.28	3.25	5	0.1	16.7	4.3	12.0	300	125	1.25
General crop and livestock farms...	31	4.8	1.6	1.1	1.0	391	6,400	14.38	3.68	...	...	...	...	...	...	...	...
All other farms.....	11	10.1	0.6	0.5	0.7	234	2,675	8.69	3.72	5	0.7	16.7	1.4	2.4	500	50	2.50
Area 5b.....	435	13.4	100.0	100.0	100.0	154	172,624	5.93	3.84	1	(2)	100.0	100.0	100.0	2,000	4	4.00
All crop farms.....	122	25.1	28.0	59.0	58.4	156	108,534	6.38	4.10	...	...	...	...	...	...	...	...
All livestock farms.....	238	9.2	54.7	34.4	33.9	157	48,795	4.95	3.16	...	...	...	...	...	...	...	...
General crop and livestock farms...	66	5.3	15.2	6.1	6.7	141	10,173	5.23	3.71	...	...	...	...	...	...	...	...
All other farms.....	9	4.4	2.1	0.6	1.0	89	5,122	17.60	19.70	1	(2)	100.0	100.0	100.0	2,000	4	4.00
Area 6.....	4,750	25.1	100.0	100.0	100.0	290	3,066,434	11.93	4.12	10	(2)	100.0	100.0	100.0	2,000	590	9.08
All crop farms.....	3,211	26.5	67.6	70.3	68.9	296	2,215,896	12.51	4.23	5	(2)	50.0	92.3	92.3	2,000	550	9.17
All livestock farms.....	751	16.1	15.8	12.2	12.4	285	311,576	9.77	3.42	...	...	...	...	...	...	...	...
General crop and livestock farms...	755	31.5	15.9	17.3	18.5	272	535,925	11.29	4.15	...	...	...	...	...	...	...	...
All other farms.....	33	9.6	0.7	0.2	0.2	239	3,037	5.86	2.45	5	0.1	50.0	7.7	7.7	2,000	40	8.00
Area 7a.....	5,23	15.9	100.0	100.0	100.0	133	3,213,734	6.90	5.24	...	...	...	...	...	...	...	...
All crop farms.....	1,745	15.9	88.7	88.4	96.5	121	2,921,773	6.50	5.39	...	...	...	...	...	...	...	...
All livestock farms.....	92	8.9	4.5	2.5	1.2	273	68,840	12.44	4.55	...	...	...	...	...	...	...	...
General crop and livestock farms...	131	34.8	6.5	8.9	2.3	514	218,821	20.54	4.00	...	...	...	...	...	...	...	...
All other farms.....	5	23.6	0.2	0.2	0.1	308	4,300	13.23	4.30	...	...	...	...	...	...	...	...
Areas 7b and D.....	3,378	32.1	100.0	100.0	100.0	110	4,666,092	5.90	5.36	8	(2)	100.0	100.0	100.0	168	125	1.32
All crop farms.....	2,820	33.0	82.9	92.7	95.5	107	4,401,195	5.83	5.45	6	(2)	75.0	75.0	86.3	146	100	1.22
All livestock farms.....	324	17.7	9.6	3.9	2.8	154	130,557	5.84	3.80	2	(2)	25.0	25.0	13.7	308	25	1.92
General crop and livestock farms...	208	25.0	6.2	3.1	1.7	204	122,712	9.35	4.59	...	...	...	...	...	...	...	...
All other farms.....	46	17.5	1.4	0.3	(2)	1,572	11,628	80.19	5.10	...	...	...	...	...	...	...	...
West Virginia, total.....	13,865	20.3	100.0	100.0	100.0	371	2,393,180	8.80	2.38	5,304	5.9	100.0	100.0	100.0	3,612	466,180	6.57
All crop farms.....	2,084	29.6	15.0	16.1	16.6	360	444,538	9.85	2.74	365	3.7	6.9	6.8	7.9	3,107	32,057	5.75
All livestock farms.....	10,098	19.1	70.8	74.6	73.9	374	1,720,038	8.56	2.29	4,327	5.6	81.6	84.7	83.3	3,674	394,170	6.67
General crop and livestock farms...	1,435	20.3	10.3	8.5	8.7	364	207,103	8.78	2.41	557	5.1	10.5	7.9	8.4	3,407	37,360	6.28
All other farms.....	258	12.1	1.9	0.8	0.8	378	21,501	10.17	2.69	55	1.9	1.0	0.6	0.5	4,761	2,593	7.95
Areas 1 and A.....	1,233	14.2	100.0	100.0	100.0	396	206,067	9.82	2.48	804	6.5	100.0	100.0	100.0	3,539	70,948	7.44
All crop farms.....	80	28.4	6.5	9.3	9.1	403	19,685	10.31	2.58	30	3.7	2.6	5.9	1,589	3,730	6.66	
All livestock farms.....	1,028	13.9	83.4	81.7	83.3	388	166,827	9.49	2.44	708	6.3	88.1	88.0	83.4	3,731	60,110	7.55
General crop and livestock farms...	110	11.8	8.9	8.6	7.3	468	17,705	11.61	2.48	65	7.9	8.1	9.3	10.6	3,094	7,040	6.94
All other farms.....	15	3.0	1.2	0.5	0.4	533	2,850	38.00	7.13	1	0.2	0.1	0.1	0.1	6,000	68	13.60
Areas 2a and B.....	2,187	18.8	100.0	100.0	100.0	372	3,909,93	9.69	2.61	591	4.1	100.0	100.0	100.0	3,565	56,170	7.13
All crop farms.....	1,064	15.2	48.7	25.9	22.5	429	1,01,021	12.47	2.91	138	3.3	23.4	19.4	22.7	3,044	9,872	5.52
All livestock farms.....	852	21.9	39.0	64.0	69.4	343	215,262	8.61	2.51	367	4.8	62.1	70.9	69.6	3,635	43,512	7.94
General crop and livestock farms...	249	12.1	11.4	9.5	7.9	450	31,115	10.96	2.43	85	2.5	14.4	9.3	7.4	4,483	2,720	4.69
All other farms.....	22	9.2	1.0	0.5	0.2	933	1,695	22.60	2.42	1	3.7	0.2	0.4	0.4	4,000	66	2.20
Area 2b.....	4,401	10.9	100.0	100.0	100.0	402	254,407	9.22	2.29	983	4.8	100.0	100.0	100.0	3,292	76,012	6.30
All crop farms.....	172	8.5	7.2	5.0	4.8	417	13,800	10.35	2.48	4	1.6	4.6	2.4	2.1	3,760	1,670	6.68
All livestock farms.....	1,925	10.9	80.2	83.5	83.2	404	209,162	9.11	2.25	831	4.9	84.5	88.1	86.1	3,369	66,593	6.41
General crop and livestock farms...	281	14.4	11.7	10.9	10.9	403	30,300	10.04	2.49	105	6.7	10.7	9.4	11.6	2,655	7,680	5.47
All other farms.....	23	5.2	1.0	0.5	1.0	196	1,145	4.02	2.04	2	0.4	0.2	0.1	0.2	2,476	69	3.29
Area 3.....	1,671	16.2	100.0	100.0	100.0	410	369,541	9.95	2.43	779	5.9	100.0	100.0	100.0	3,422	68,161	6.94
All crop farms.....	85	17.1	5.1	7.0	4.5	643	20,635	17.05	2.65	30	8.7	3.9	5.1	6.3	2,862	3,180	5.17
All livestock farms.....	1,406	15.8	84.1	85.8	86.3	408	228,711	9.79	2.40	689	5.9	88.4	90.0	89.2	3,454	62,256	7.10
General crop and livestock farms...	155	22.7	9.3	6.6	8.6	317	18,530	7.97	2.52	55	4.2	7.1	4.5	4.4	3,517	2,605	5.99
All other farms.....	25	13.3	1.5	0.6	0.7	357	1,655	8.95	2.51	5	0.7	0.2	0.2	0.1	6,000	120	12.00
Areas 4 and C.....	859	17.3	100.0	100.0	100.0	372	83,179	9.36	2.51	238	6.5	100.0	100.0	100.0	3,101	15,421	4.64
All crop farms.....	175	21.3	20.4	17.2	15.9	403	13,875	9.81	2.25	20	5.9	8.4	10.2	11.7	2,692	1,370	3.51
All livestock farms.....	582	16.7	67.8	73.7	74.3	369	59,704	9.04	2.45	192	5.6	80.7	72.3	67.1	3,341	10,980	4.92
General crop and livestock farms...	67	18.9	7.8	6.7	8.3	300	7,435	10.10	3.37	21	18.0	8.8	17.4	21.0	2,568	3,011	4.32
All other farms.....	35	10.0	4.1	2.4	1.5	615	2,185	16.81	2.73	5	0.4	2.1	0.1	0.2	2,000	60	12.00
Area 5.....	4,440	24.0	100.0	100.0	100.0	376	789,842	8.76	2.33	1,623	5.8	100.0	100.0	100.0	3,915	140,313	6.46
All crop farms.....	281	44.9	6.3	12.0	12.4	366	114,935	10.30	2.81	56	2.5	3.5	2.7	2.8	3,770	4,375	7.09
All livestock farms.....	3,575	22.3	80.5	78.8	77.9	380	603,118	8.58	2.26	1,331	6.2	82.0	88.5	89.6	3,868	121,869	6.27
General crop and livestock farms...	451	26.0	10.2	7.7	8.2	357	59,943	8.14	2.22	195	4.9	12.0	7.3	6.4	4,431	11,859	8.51
All other farms.....	133	22.4	3.0	1.4	1.5	355	11,846	8.68	2.45	41	4.2	2.5	1.5	1.2	5,020	2,210	8.67
Area 6.....	1,074	39.3	100.0	100.0	100.0	371	441,051	7.22	2.25	286	4.2	100.0	1				

USE OF FERTILIZER AND LIME

Table 6.—USE AND EXPENDITURES FOR FERTILIZER AND LIME OF COMMERCIAL FARMS BY TYPE OF FARM, BY ECONOMIC AREAS: CENSUS OF 1954—Continued

State, economic area, and type of farm	Fertilizer									Lime								
	Farms reporting use of fertilizer	Acres fertilized as a percent of total cropland plus improved pasture	Percent distribution of—			Quantity used per acre fertilized (lb.)	Expenditures (dollars)			Farms reporting use of lime	Acres limed as a percent of total cropland plus improved pasture	Percent distribution of—			Quantity used per acre limed (lb.)	Expenditures (dollars)		
			Farms reporting fertilizer	Fertilizer used	Acres fertilized		For fertilizer	Per acre fertilized	Per cent. of fertilizer used			Farms reporting lime	Lime used	Acres limed		For lime	Per acre limed	
																		Farms reporting fertilizer	Fertilizer used	Acres fertilized	For fertilizer	Per acre fertilized	Per cent. of fertilizer used	Farms reporting lime	Lime used	Acres limed	For lime	Per acre limed
Wisconsin, total.....	99,098	30.7	100.0	100.0	100.0	223	25,242,861	6.64	2.98	34,077	4.1	100.0	100.0	100.0	3,882	2,961,816	5.87	
All crop farms.....	4,947	46.6	5.0	13.2	8.1	364	3,317,587	10.79	2.96	840	2.8	2.5	3.6	3.7	3,778	113,268	6.06	
All livestock farms.....	87,818	29.2	88.6	78.5	83.4	210	19,814,262	6.25	2.98	31,407	4.2	92.2	89.3	89.9	3,856	2,659,088	5.87	
General crop and livestock farms...	5,928	38.7	6.0	8.1	8.5	213	2,059,142	6.40	3.01	1,773	3.8	5.2	7.0	6.3	4,301	185,524	5.83	
All other farms.....	405	15.6	0.4	0.2	0.1	424	51,850	16.53	3.90	57	2.5	0.2	0.1	0.1	4,312	3,936	7.78	
Areas 1 and A	5,763	18.5	100.0	100.0	100.0	360	1,400,907	10.70	2.97	2,428	3.6	100.0	100.0	100.0	4,019	215,203	8.52	
All crop farms.....	325	47.5	5.6	44.2	22.1	721	601,492	20.83	2.89	25	1.1	1.0	1.6	2.7	2,442	3,235	4.77	
All livestock farms.....	5,225	15.9	90.7	53.1	75.0	255	755,238	7.69	3.02	2,320	3.9	95.6	96.2	94.8	4,077	206,955	8.64	
General crop and livestock farms...	159	14.1	2.8	2.1	2.5	308	31,327	9.73	3.16	46	1.4	1.9	1.1	1.3	3,352	2,487	7.61	
All other farms.....	54	8.9	0.9	0.6	0.5	467	12,850	21.42	4.59	37	4.4	1.5	1.1	1.2	3,689	2,526	8.53	
Area 2a.....	13,715	27.6	100.0	100.0	100.0	189	2,867,039	6.03	3.18	4,904	4.4	100.0	100.0	100.0	4,149	447,165	5.88	
All crop farms.....	341	35.3	2.5	6.3	4.4	268	151,726	7.18	2.68	107	5.8	2.2	4.4	4.6	3,983	29,056	8.35	
All livestock farms.....	12,548	27.1	91.5	85.9	87.3	186	2,476,098	5.96	3.20	4,486	4.4	91.5	88.1	87.5	4,178	387,169	5.82	
General crop and livestock farms...	806	29.1	5.9	7.8	8.2	179	238,715	6.09	3.39	311	4.5	6.3	7.5	8.0	3,919	30,940	5.10	
All other farms.....	20	8.0	0.1	(2)	(2)	133	500	3.70	2.78	...	...	...	...	...	...	...	...
Area 2b.....	9,235	29.8	100.0	100.0	100.0	217	1,698,105	6.03	2.78	3,665	4.9	100.0	100.0	100.0	3,749	269,411	5.77	
All crop farms.....	303	36.5	3.3	4.4	4.0	241	75,157	6.70	2.79	46	5.0	1.3	2.0	3.3	2,242	4,591	3.00	
All livestock farms.....	8,492	29.1	92.0	88.7	89.2	216	1,504,008	5.99	2.78	3,469	5.0	94.7	91.6	91.8	3,739	248,380	5.79	
General crop and livestock farms...	435	36.8	4.7	6.8	6.8	217	118,810	6.17	2.85	150	4.4	4.1	6.5	4.9	4,952	16,440	7.18	
All other farms.....	5	16.3	0.1	(2)	(2)	100	130	1.62	1.62	...	...	...	...	...	...	...	...
Area 3.....	9,485	34.3	100.0	100.0	100.0	189	2,430,814	5.70	3.01	2,876	4.8	100.0	100.0	100.0	5,096	352,697	5.95	
All crop farms.....	207	42.5	2.2	2.7	2.5	208	69,949	6.56	3.15	40	3.4	1.4	1.9	1.4	6,671	5,650	6.65	
All livestock farms.....	8,682	33.9	91.5	91.0	91.2	189	2,229,320	5.73	3.03	2,701	4.8	93.9	93.2	93.5	5,078	329,527	5.94	
General crop and livestock farms...	591	38.3	6.2	6.3	6.3	189	131,370	4.92	2.60	135	4.3	4.7	5.0	5.1	4,995	17,520	5.85	
All other farms.....	5	25.0	0.1	(2)	(2)	800	175	35.00	4.38	...	...	...	...	...	...	...	...
Area 4.....	13,090	26.9	100.0	100.0	100.0	217	2,411,758	6.48	2.98	6,308	6.0	100.0	100.0	100.0	4,210	669,222	8.06	
All crop farms.....	270	37.6	2.1	4.9	3.1	341	111,575	9.65	2.82	82	5.2	1.3	2.4	1.9	5,247	16,945	10.56	
All livestock farms.....	12,606	26.8	96.3	93.2	95.2	213	2,253,503	6.36	2.99	6,140	6.0	97.3	96.1	95.7	4,228	640,982	8.07	
General crop and livestock farms...	173	24.0	1.3	1.7	1.6	238	42,695	7.26	3.05	81	8.0	1.3	1.5	2.4	2,629	11,195	5.73	
All other farms.....	41	15.1	0.3	0.2	0.1	283	3,985	8.53	3.02	5	0.5	0.1	(2)	(2)	1,333	100	6.67	
Area 5.....	6,163	28.9	100.0	100.0	100.0	243	1,733,763	6.96	2.86	2,856	5.1	100.0	100.0	100.0	3,552	249,421	5.73	
All crop farms.....	496	35.6	8.0	21.5	12.1	434	383,402	12.77	2.94	184	4.2	6.4	6.6	8.2	2,867	18,050	5.08	
All livestock farms.....	5,072	27.8	82.3	67.8	76.3	216	1,153,093	6.07	2.81	2,397	5.3	83.9	84.5	82.6	3,630	204,389	5.68	
General crop and livestock farms...	580	31.1	9.4	10.7	11.6	224	196,183	6.78	3.03	275	4.3	9.6	9.0	9.2	3,451	26,982	6.72	
All other farms.....	15	4.3	0.2	0.1	(2)	267	1,085	9.04	3.39	...	...	...	...	...	...	...	...
Area 6.....	8,888	25.8	100.0	100.0	100.0	257	2,018,997	7.52	2.93	2,070	2.4	100.0	100.0	100.0	2,668	130,882	5.22	
All crop farms.....	571	44.0	6.4	14.3	8.5	429	299,783	13.08	3.05	20	0.3	1.0	0.7	0.6	2,968	955	6.16	
All livestock farms.....	8,052	24.4	90.6	80.0	86.6	237	1,606,254	6.91	2.91	2,015	2.6	97.3	96.5	97.3	2,645	126,792	5.20	
General crop and livestock farms...	255	35.9	2.9	5.7	4.8	303	112,540	8.71	2.87	30	1.4	1.4	2.8	2.0	3,760	3,060	6.12	
All other farms.....	10	0.7	0.1	(2)	(2)	1,600	420	42.00	2.62	5	1.0	0.2	(2)	0.1	667	75	5.00	
Area 7.....	10,272	23.1	100.0	100.0	100.0	218	2,345,071	6.26	2.88	2,984	2.5	100.0	100.0	100.0	1,567	91,607	2.23	
All crop farms.....	400	39.4	3.9	7.2	5.7	276	158,691	7.45	2.70	66	1.6	2.2	2.5	2.1	1,859	2,882	3.28	
All livestock farms.....	9,250	21.9	90.1	84.2	86.4	212	1,977,135	6.12	2.88	2,833	2.7	94.9	91.6	95.6	1,502	84,365	2.15	
General crop and livestock farms...	562	33.8	5.5	8.3	7.8	231	200,030	6.83	2.96	85	1.1	2.8	5.8	2.3	4,021	4,360	4.66	
All other farms.....	60	65.0	0.6	0.3	0.1	508	9,215	19.82	3.90	...	...	...	...	...	...	...	...
Areas 8 and B.....	20,007	42.2	100.0	100.0	100.0	212	6,999,293	6.46	3.05	5,609	3.8	100.0	100.0	100.0	4,240	506,763	5.20	
All crop farms.....	1,506	56.0	7.5	13.5	10.8	265	972,178	8.31	3.13	235	2.6	4.2	5.8	5.7	4,367	29,389	5.31	
All livestock farms.....	16,289	39.8	81.4	74.3	76.1	207	5,174,308	6.27	3.04	4,724	3.9	84.2	79.3	82.0	4,103	405,569	5.08	
General crop and livestock farms...	2,157	49.5	10.8	12.0	13.0	195	844,497	5.97	3.06	645	4.2	11.5	14.6	12.2	5,075	70,605	5.94	
All other farms.....	55	51.7	0.3	0.1	0.1	284	8,310	12.31	4.33	5	13.4	0.1	0.3	0.2	6,000	1,200	6.86	
Areas 9 and C.....	2,480	51.1	100.0	100.0	100.0	331	1,337,114	9.61	2.90	377	2.5	100.0	100.0	100.0	2,107	29,445	4.36	
All crop farms.....	528	61.7	21.3	36.5	23.6	513	493,634	15.04	2.93	35	0.8	9.3	8.0	6.4	2,651	2,515	5.85	
All livestock farms.....	1,602	47.1	64.6	51.5	65.1	262	685,325	7.56	2.89	322	2.8	85.4	86.0	80.6	2,248	24,960	4.58	
General crop and livestock farms...	210	60.6	8.5	11.0	10.9	337	142,975	9.47	2.81	15	3.5	4.0	5.9	12.9	960	1,935	2.21	
All other farms.....	140	32.8	5.6	0.9	0.4	710	15,180	26.17	3.68	5	0.3	1.3	0.1	0.1	2,000	35	7.00	
Wyoming, total.....	2,169	4.4	100.0	100.0	100.0	194	991,756	8.26	4.25	7	(2)	100.0	100.0	100.0	1,321	1,958	2.05	
All crop farms.....	807	7.4	37.2	35.0	34.3	198	357,633	8.69	4.39	1	0.1	14.3	47.5	31.4	2,000	1,188	3.96	
All livestock farms.....	833	2.7	38.4	40.9	43.3	184	398,186	7.66	4.17	6	(2)	85.7	52.5	68.6	1,011	770	1.18	
General crop and livestock farms...	509	11.0	23.5	24.0	22.4	208	235,037	8.73	4.19	...	...	...	...	...	...	...	...
All other farms.....	20	0.6	0.9	0.1	(2)	1,000	900	45.00	4.50	...	...	...	...	...	...	...	...
Area 1.....	134	0.7	100.0	100.0	100.0	217	40,395	6.72	3.10	...	...	...	...	...	...	...	...
All crop farms.....	17	1.8	12.7	13.1	10.0	283	3,743	6.24	2.20	...	...	...	...	...	...	...	...
All livestock farms.....	88	0.6	65.7	65.6	79.9	178	28,790	5.99	3.37	...	...	...	...	...	...	...	...
General crop and livestock farms...	19	1.6	14.2	20.6	9.9	449	7,562	12.67	2.82	...	...	...	...	...	...	...	...
All other farms.....	10	1.4	7.5	0.8														

Table 6.—USE AND EXPENDITURES FOR FERTILIZER AND LIME OF COMMERCIAL FARMS BY TYPE OF FARM, BY ECONOMIC AREAS: CENSUS OF 1954—Continued

State, economic area, and type of farm	Fertilizer									Lime							
	Farms reporting use of fertilizer	Acres fertilized as a percent of total cropland plus improved pasture	Percent distribution of—			Quantity used per acre fertilized (lb.)	Expenditures (dollars)			Farms reporting use of lime	Acres limed as a percent of total cropland plus improved pasture	Percent distribution of—			Quantity used per acre limed (lb.)	Expenditures (dollars)	
			Farms reporting fertilizer	Fertilizer used	Acres fertilized		For fertilizer	Per acre fertilized	Per cwt. of fertilizer used			Farms reporting lime	Lime used	Acres limed		For lime	Per acre limed
Wyoming—Continued																	
Area 2b.....	715	2.7	100.0	100.0	100.0	198	308,666	8.62	4.36	2	(2)	100.0	100.0	100.0	1,912	1,208	3.78
All crop farms.....	313	3.5	43.8	38.8	40.3	190	128,910	8.93	4.69	1	0.1	50.0	98.0	93.8	2,000	1,188	3.96
All livestock farms.....	269	1.8	37.6	41.6	41.9	197	121,994	8.14	4.14	1	(2)	50.0	2.0	6.2	600	20	1.00
General crop and livestock farms...	123	7.7	17.2	19.4	17.8	216	57,162	8.98	4.16	...	...	...	...	...	...	...	...
All other farms.....	10	0.6	1.4	0.1	(2)	1,000	600	60.00	6.00	...	...	...	...	...	...	...	...

2 Less than 0.05.

Table 7.—FARMS REPORTING, ACRES FERTILIZED, AND TONS OF FERTILIZER USED ON FARMS CLASSIFIED BY RATE OF USE PER ACRE, FOR SELECTED CROPS; FOR SELECTED ECONOMIC AREAS: 1954—Continued

Crop, economic area, and rate of use per acre	Farms reporting		Acres fertilized		Fertilizer used			Crop, economic area, and rate of use per acre	Farms reporting		Acres fertilized		Fertilizer used		
	Number	Percent distribution	Total	Percent distribution	Tons	Average per acre (lb.)	Percent distribution		Number	Percent distribution	Total	Percent distribution	Tons	Average per acre (lb.)	Percent distribution
HAY AND CROPLAND PASTURE—Continued															
Economic Area 5, Alabama.....	3,214	100.0	81,823	100.0	17,587	430	100.0	Economic Area 2, Mississippi.....	922	100.0	50,497	100.0	6,559	260	100.0
Farms using by pounds per acre:								Farms using by pounds per acre:							
Under 75.....	74	2.3	2,494	3.0	69	55	0.4	Under 75.....	21	2.3	5,669	11.2	145	51	2.2
75 to 149.....	327	10.2	7,685	9.4	422	110	2.4	75 to 149.....	146	15.8	11,954	23.7	662	111	10.1
150 to 224.....	598	18.6	8,800	10.9	853	192	4.8	150 to 224.....	170	18.4	9,691	19.2	844	174	12.9
225 to 299.....	293	9.1	8,889	10.8	1,200	273	6.8	225 to 299.....	117	12.7	5,785	11.4	670	232	10.2
300 to 374.....	362	11.3	9,850	12.0	1,616	328	9.2	300 to 374.....	92	10.0	5,154	10.2	829	322	12.6
375 to 449.....	332	10.3	8,271	10.1	1,696	410	9.6	375 to 449.....	146	15.8	4,481	8.9	847	377	12.9
450 to 524.....	387	12.0	11,746	14.4	2,898	493	16.5	450 to 524.....	58	6.3	1,672	3.3	411	482	6.8
525 to 599.....	118	3.7	5,062	6.2	1,384	547	7.9	525 to 599.....	48	5.2	1,618	3.2	446	531	6.8
600 to 674.....	232	7.2	4,253	5.2	1,350	635	7.7	600 to 674.....	32	3.5	1,070	2.1	334	624	5.1
675 to 749.....	100	3.1	3,153	3.8	1,116	708	6.3	675 to 749.....	10	1.1	700	1.4	256	731	3.9
750 to 824.....	144	4.5	2,281	2.8	896	786	5.1	750 to 824.....	18	2.0	690	1.4	268	777	4.1
825 and over.....	247	7.7	9,339	11.4	4,087	879	23.2	825 and over.....	64	6.9	2,013	4.0	850	845	13.0
OTHER PASTURE															
Economic Areas 1 and 2, New York...	554	100.0	9,872	100.0	1,600	324	100.0	Economic Areas 7 and 8, Wisconsin	926	100.0	11,427	100.0	1,669	292	100.0
Farms using by pounds per acre:								Farms using by pounds per acre:							
Under 75.....	26	4.7	1,550	15.7	30	39	1.9	Under 75.....	20	2.1	420	3.7	10	48	0.6
75 to 149.....	40	7.2	950	9.6	58	122	3.6	75 to 149.....	107	11.6	1,292	11.3	80	123	4.8
150 to 224.....	77	13.9	1,160	11.8	126	217	7.9	150 to 224.....	318	34.3	3,980	34.8	381	191	22.8
225 to 299.....	55	9.9	1,115	11.3	140	251	8.8	225 to 299.....	150	16.2	1,840	16.1	244	265	14.6
300 to 374.....	95	17.1	1,640	16.6	250	305	15.6	300 to 374.....	111	12.0	1,120	9.8	178	318	10.7
375 to 449.....	116	20.9	1,864	18.9	374	401	23.4	375 to 449.....	70	7.6	1,235	10.8	250	404	15.0
450 to 524.....	35	6.3	2,85	2.9	70	491	4.4	450 to 524.....	65	7.0	550	4.8	138	502	8.3
525 to 599.....	27	4.9	354	3.6	97	548	6.1	525 to 599.....	10	1.1	145	1.3	40	551	2.4
600 to 674.....	11	2.0	160	1.6	51	638	3.2	600 to 674.....	45	4.9	285	2.5	91	638	5.4
675 to 749.....	5	0.9	20	0.2	7	700	0.4	675 to 749.....	...	...	...	...	...	...
750 to 824.....	27	4.9	344	3.5	134	779	8.4	750 to 824.....	10	1.1	505	4.4	202	800	12.1
825 and over.....	40	7.2	430	4.4	263	1,223	16.4	825 and over.....	20	2.1	55	0.5	55	2,000	3.3
Economic Areas 1 and 2, New Jersey.	444	100.0	18,421	100.0	3,974	431	100.0	Economic Areas 1a and 1b, Iowa....	1,050	100.0	22,246	100.0	1,815	162	100.0
Farms using by pounds per acre:								Farms using by pounds per acre:							
Under 75.....	11	1.2	787	4.3	20	51	0.5	Under 75.....	70	6.7	1,245	5.6	38	61	2.1
75 to 149.....	25	2.6	415	2.2	28	135	0.7	75 to 149.....	398	37.9	10,239	46.0	548	107	30.2
150 to 224.....	61	6.5	1,045	5.7	106	203	2.7	150 to 224.....	349	33.2	6,650	29.9	599	187	33.0
225 to 299.....	61	6.5	2,013	10.9	246	244	6.2	225 to 299.....	111	10.6	2,482	11.2	311	250	17.1
300 to 374.....	106	11.2	1,600	8.7	268	335	6.7	300 to 374.....	60	5.7	1,025	4.6	167	325	9.2
375 to 449.....	209	22.1	5,407	29.4	1,056	391	26.6	375 to 449.....	16	1.5	200	0.9	40	400	2.2
450 to 524.....	165	17.5	2,510	13.6	607	484	15.3	450 to 524.....	16	1.5	270	1.2	67	496	3.7
525 to 599.....	70	7.4	1,365	7.4	382	560	9.6	525 to 599.....	5	0.5	35	0.1	10	571	0.6
600 to 674.....	95	10.1	1,295	7.0	410	633	10.3	600 to 674.....	10	1.0	60	0.3	20	667	1.1
675 to 749.....	15	1.6	350	1.9	123	703	3.1	675 to 749.....	...	...	...	...	...	...
750 to 824.....	36	3.8	619	3.4	244	788	6.1	750 to 824.....	15	1.4	40	0.2	15	750	0.8
825 and over.....	90	9.5	1,015	5.5	484	954	12.2	825 and over.....	...	...	...	...	...	...
Economic Area 7, Ohio.....	485	100.0	7,840	100.0	1,492	381	100.0	Economic Area 3, Missouri.....	949	100.0	24,544	100.0	3,385	275	100.0
Farms using by pounds per acre:								Farms using by pounds per acre:							
Under 75.....	5	1.0	40	0.5	1	50	0.1	Under 75.....	45	4.7	1,890	7.7	46	48	1.3
75 to 149.....	41	8.5	585	7.5	36	121	2.4	75 to 149.....	252	26.6	7,655	31.2	430	112	12.7
150 to 224.....	121	25.0	1,815	23.2	176	194	11.8	150 to 224.....	266	28.0	6,437	26.2	605	187	17.9
225 to 299.....	41	8.5	1,305	16.6	177	271	11.9	225 to 299.....	113	11.9	2,637	10.7	342	259	10.1
300 to 374.....	80	16.5	1,585	20.2	258	324	17.2	300 to 374.....	89	9.4	1,345	5.5	218	324	6.4
375 to 449.....	71	14.6	680	8.7	137	403	9.2	375 to 449.....	56	5.9	860	3.5	171	399	5.1
450 to 524.....	55	11.3	535	6.8	132	495	8.9	450 to 524.....	13	1.4	363	1.5	90	495	2.7
525 to 599.....	...	...	...	...	...	...	...	525 to 599.....	10	1.1	150	0.6	42	560	1.2
600 to 674.....	40	8.2	225	2.9	70	622	4.7	600 to 674.....	26	2.7	555	2.3	174	627	5.1
675 to 749.....	...	...	...	...	...	...	...	675 to 749.....	7	0.7	200	0.8	73	730	2.2
750 to 824.....	5	1.0	200	2.5	80	800	5.4	750 to 824.....	25	2.6	395	1.6	158	797	4.7
825 and over.....	26	5.4	870	11.1	425	977	28.4	825 and over.....	47	5.0	2,057	8.4	1,036	1,007	30.6
Economic Areas 1 and 3, Illinois...	757	100.0	13,560	100.0	3,112	459	100.0	Economic Area 7, Virginia.....	1,906	100.0	30,899	100.0	6,964	450	100.0
Farms using by pounds per acre:								Farms using by pounds per acre:							
Under 75.....	20	2.6	395	2.9	5	25	0.2	Under 75.....	25	1.3	1,320	4.3	39	59	0.6
75 to 149.....	85	11.2	1,475	10.9	78	106	2.5	75 to 149.....	87	4.6	2,520	8.2	152	121	2.2
150 to 224.....	166	21.9	3,650	26.9	326	179	10.5	150 to 224.....	137	7.2	3,155	10.2	299	189	4.3
225 to 299.....	75	9.9	1,020	7.5	134	263	4.3	225 to 299.....	182	9.6	3,002	9.7	392	261	5.6
300 to 374.....	70	9.2	1,030	7.6	170	330	5.5	300 to 374.....	159	8.3	2,404	7.8	403	335	5.8
375 to 449.....	70	9.2	1,035	7.6	205	396	6.6	375 to 449.....	276	14.5	4,609	14.9	941	408	13.5
450 to 524.....	55	7.3	1,030	7.6	244	474	7.8	450 to 524.....	239	12.5	4,859	15.7	1,206	496	17.3
525 to 599.....	20	2.6	745	5.5	211	566	6.8	525 to 599.....	68	3.6	1,935	6.3	545	563	7.8
600 to 674.....	20	2.6	230	1.7	70	609	2.2	600 to 674.....	197	10.3	1,815	5.9	574	632	8.3
675 to 749.....	5	0.7	35	0.2	13	743	0.4	675 to 749.....	17	0.9	295	0.9	103	695	1.5
750 to 824.....	26	3.4	270	2.0	105	778	3.4	750 to 824.....	178	9.3	1,820	5.9	705	775	10.1
825 and over.....	145	19.2	2,645	19.5	1,551	1,172	50.4	825 and over.....	341	17.9	3,165	10.2	1,605	1,014	23.0
Economic Area 7, Illinois.....	592	100.0	11,226	100.0	2,406	428	100.0	Economic Areas 3, 4a, and 4b, North Carolina.....	4,885	100.0	81,802	100.0	15,576	380	100.0
Farms using by pounds per acre:								Farms using by pounds per acre:							
Under 75.....	5	0.8	425	3.7	10	47	0.4	Under 75.....	48	1.0	1,912	2.3	57	59	0.4
75 to 149.....	75	12.6	1,175	10.4	62	106	2.6	75 to 149.....	338	6.9	8,279	10.1	468	113	3.0
150 to 224.....	156	26.3	3,366	29.8	310										

USE OF FERTILIZER AND LIME

Table 7.—FARMS REPORTING, ACRES FERTILIZED, AND TONS OF FERTILIZER USED ON FARMS CLASSIFIED BY RATE OF USE PER ACRE, FOR SELECTED CROPS; FOR SELECTED ECONOMIC AREAS: 1954—Continued

Crop, economic area, and rate of use per acre	Farms reporting		Acres fertilized		Fertilizer used			Crop, economic area, and rate of use per acre	Farms reporting		Acres fertilized		Fertilizer used		
	Number	Percent distribution	Total	Percent distribution	Tons	Average per acre (lb.)	Percent distribution		Number	Percent distribution	Total	Percent distribution	Tons	Average per acre (lb.)	Percent distribution
OTHER PASTURE—Continued															
Economic Area 6, South Carolina.....	488	100.0	15,390	100.0	2,896	376	100.0	Economic Area 5, Alabama.....	1,164	100.0	48,720	100.0	8,597	353	100.0
Farms using by pounds per acre:								Farms using by pounds per acre:							
Under 75.....	10	2.0	495	3.2	18	73	0.6	Under 75.....	39	3.4	6,254	12.9	228	72	2.6
75 to 149.....	43	8.8	925	6.0	55	119	1.9	75 to 149.....	117	10.1	8,808	18.1	559	126	6.6
150 to 224.....	80	16.4	2,979	19.4	272	183	9.4	150 to 224.....	159	13.6	5,903	12.1	611	206	7.2
225 to 299.....	33	6.8	698	4.5	85	244	2.9	225 to 299.....	118	10.1	5,056	10.4	657	259	7.7
300 to 374.....	75	15.4	2,939	19.1	472	321	16.3	300 to 374.....	107	9.2	4,474	9.2	778	347	9.0
375 to 449.....	82	16.8	2,360	15.3	472	400	20.3	375 to 449.....	207	17.8	5,670	11.6	1,210	426	14.0
450 to 524.....	53	10.9	2,724	17.7	666	489	23.0	450 to 524.....	124	10.6	4,202	8.6	1,023	487	11.9
525 to 599.....	11	2.2	465	3.0	133	572	4.6	525 to 599.....	33	2.8	2,205	4.5	594	538	6.9
600 to 674.....	27	5.5	245	1.6	80	653	2.7	600 to 674.....	65	5.6	1,440	3.0	456	634	5.3
675 to 749.....	17	3.5	555	3.6	194	699	6.7	675 to 749.....	23	2.0	590	1.2	207	702	2.4
750 to 824.....	24	4.9	503	3.3	195	775	6.7	750 to 824.....	36	3.1	965	2.0	372	772	4.3
825 and over.....	33	6.8	502	3.3	254	1,012	8.8	825 and over.....	130	11.7	3,153	6.4	1,902	1,206	22.1
Economic Area 5, Georgia.....	417	100.0	20,384	100.0	2,878	282	100.0	Economic Area 2, Mississippi.....	418	100.0	29,617	100.0	3,449	233	100.0
Farms using by pounds per acre:								Farms using by pounds per acre:							
Under 75.....	13	3.1	2,500	12.3	40	32	1.4	Under 75.....	23	5.5	3,173	10.7	86	54	2.5
75 to 149.....	70	16.9	3,413	16.8	181	106	6.3	75 to 149.....	72	17.2	9,527	32.2	408	86	11.8
150 to 224.....	58	13.9	4,757	23.3	432	181	15.0	150 to 224.....	98	23.4	4,901	16.5	450	184	13.0
225 to 299.....	56	13.4	2,130	10.4	278	261	9.7	225 to 299.....	52	12.4	5,088	17.2	669	263	19.4
300 to 374.....	37	8.9	2,690	13.2	467	347	16.2	300 to 374.....	29	6.9	1,444	4.9	230	319	6.7
375 to 449.....	64	15.4	1,410	6.9	283	401	9.8	375 to 449.....	46	11.0	2,345	7.9	470	401	13.6
450 to 524.....	65	15.4	1,408	6.9	346	492	12.0	450 to 524.....	24	5.7	1,635	5.5	411	503	11.9
525 to 599.....	8	1.9	552	2.7	154	559	5.4	525 to 599.....	7	1.7	157	0.5	43	548	1.2
600 to 674.....	7	1.7	425	2.1	130	611	4.5	600 to 674.....	23	5.5	277	0.9	88	635	2.6
675 to 749.....	6	1.5	184	0.9	65	706	2.2	675 to 749.....	5	1.2	315	1.1	117	743	3.4
750 to 824.....	20	4.8	290	1.4	111	766	3.9	750 to 824.....	28	6.7	239	0.8	93	778	2.7
825 and over.....	13	3.1	625	3.1	391	1,251	13.6	825 and over.....	11	2.6	516	1.7	384	1,488	11.1
CORN															
Economic Areas 1 and 2, New York.....	12,916	100.0	220,474	100.0	39,779	361	100.0	Economic Area 7, Illinois.....	14,444	100.0	974,417	100.0	135,172	277	100.0
Farms using by pounds per acre:								Farms using by pounds per acre:							
Under 75.....	65	0.5	1,180	0.5	26	44	1.0	Under 75.....	457	3.2	30,380	3.1	866	57	0.6
75 to 149.....	430	3.3	6,625	3.0	404	122	0.1	75 to 149.....	3,010	20.8	213,037	21.9	12,265	115	9.1
150 to 224.....	1,989	15.4	36,033	16.3	3,480	193	8.7	150 to 224.....	4,188	29.0	287,201	29.5	27,116	189	20.1
225 to 299.....	2,068	16.0	41,122	18.6	5,464	266	13.7	225 to 299.....	1,983	13.7	144,206	14.8	18,620	258	13.8
300 to 374.....	2,727	21.1	47,984	21.8	7,749	323	19.5	300 to 374.....	1,651	11.4	109,718	11.2	18,036	329	13.3
375 to 449.....	2,398	18.6	41,979	19.0	8,456	403	21.2	375 to 449.....	932	6.4	63,045	6.5	12,898	409	9.5
450 to 524.....	1,400	10.8	20,212	9.2	4,974	492	12.5	450 to 524.....	633	4.4	42,175	4.3	10,244	486	7.6
525 to 599.....	365	2.8	8,290	3.8	2,304	556	5.8	525 to 599.....	257	1.8	17,960	1.8	5,052	563	3.7
600 to 674.....	585	4.5	6,760	3.1	2,149	636	5.4	600 to 674.....	336	2.3	19,380	2.0	6,059	625	4.5
675 to 749.....	135	1.0	2,205	1.0	774	702	1.9	675 to 749.....	105	0.7	6,785	0.7	2,406	709	1.8
750 to 824.....	211	1.6	3,119	1.4	1,232	790	3.1	750 to 824.....	165	1.1	7,160	0.7	2,800	782	2.1
825 and over.....	543	4.2	4,965	2.2	2,767	1,115	7.0	825 and over.....	727	5.0	33,370	3.4	18,810	1,127	13.9
Economic Areas 1 and 2, New Jersey.....	7,377	100.0	169,842	100.0	47,204	556	100.0	Economic Areas 7 and 8, Wisconsin.....	27,908	100.0	802,897	100.0	81,980	204	100.0
Farms using by pounds per acre:								Farms using by pounds per acre:							
Under 75.....	30	0.4	570	0.3	14	49	(2)	Under 75.....	458	1.6	14,406	1.8	384	53	0.5
75 to 149.....	160	2.2	3,210	1.9	197	123	0.4	75 to 149.....	7,515	26.9	237,765	29.6	14,116	118	17.2
150 to 224.....	503	6.8	12,110	7.1	1,164	193	2.5	150 to 224.....	10,670	38.2	298,724	37.2	27,624	184	33.7
225 to 299.....	647	8.8	16,636	9.8	2,219	267	4.7	225 to 299.....	5,257	18.8	156,809	19.5	19,826	252	24.2
300 to 374.....	842	11.4	19,440	11.4	3,204	330	6.8	300 to 374.....	1,731	6.2	44,386	5.5	7,212	324	8.8
375 to 449.....	1,089	14.8	25,637	15.1	5,214	407	11.0	375 to 449.....	1,153	4.1	28,641	3.6	5,805	405	7.1
450 to 524.....	1,072	14.5	24,660	14.4	6,030	493	12.8	450 to 524.....	415	1.5	7,540	0.9	1,824	484	2.2
525 to 599.....	323	4.4	8,560	5.0	2,360	551	5.0	525 to 599.....	120	0.4	3,335	0.4	922	552	1.1
600 to 674.....	683	9.2	14,405	8.5	4,576	635	9.7	600 to 674.....	326	1.2	4,975	0.6	1,571	631	1.9
675 to 749.....	185	2.5	5,125	3.0	1,812	707	3.8	675 to 749.....	25	0.1	1,080	0.1	374	692	0.4
750 to 824.....	393	5.3	9,335	5.5	3,666	785	7.8	750 to 824.....	77	0.3	2,306	0.3	926	803	1.1
825 and over.....	1,450	19.6	30,354	17.9	16,748	1,104	35.5	825 and over.....	161	0.6	2,930	0.4	1,396	953	1.7
Economic Area 7, Ohio.....	8,759	100.0	226,704	100.0	31,946	282	100.0	Economic Areas 1a and 1b, Iowa.....	22,174	100.0	1,098,271	100.0	93,241	169	100.0
Farms using by pounds per acre:								Farms using by pounds per acre:							
Under 75.....	86	1.0	1,888	0.8	47	50	0.1	Under 75.....	1,727	7.8	93,636	8.5	2,599	55	2.8
75 to 149.....	586	6.7	17,990	7.9	1,073	119	3.4	75 to 149.....	8,583	38.7	459,582	41.8	25,819	112	27.7
150 to 224.....	2,206	25.2	73,470	32.4	7,061	192	22.1	150 to 224.....	7,315	33.0	343,152	31.2	31,726	184	34.0
225 to 299.....	1,857	21.2	51,338	22.6	6,699	261	21.0	225 to 299.....	2,236	10.1	105,412	9.6	13,436	254	14.4
300 to 374.....	1,680	19.2	39,995	17.6	6,535	327	20.4	300 to 374.....	1,232	5.5	51,327	4.7	8,320	324	8.9
375 to 449.....	1,007	11.5	21,593	9.5	4,356	403	13.6	375 to 449.....	598	2.7	26,415	2.4	5,349	404	5.7
450 to 524.....	450	5.1	9,820	4.3	2,380	485	7.4	450 to 524.....	161	0.7	5,817	0.5	1,429	491	1.5
525 to 599.....	170	1.9	3,065	1.4	851	555	2.7	525 to 599.....	121	0.5	6,400	0.6	1,833	552	2.0
600 to 674.....	291	3.3	3,435	1.5	1,080	629	3.4	600 to 674.....	66	0.3	1,425	0.1	434	609	0.5
675 to 749.....	45	0.5	610	0.3	218	715	0.7	675 to 749.....	25	0.1	1,720	0.1	625	727	0.7
750 to 824.....	135	1.5	1,530	0.7	596	779	1.9	750 to 824.....	30	0.1	340	(2)	135	794	0.1
825 and over.....	246	2.8	1,970	0.9	1,050	1,066	3.3	825 and over.....	80	0.4	2,805	0.3	1,536	1,095	1.6
Economic Areas 1 and 3, Illinois.....	19,851	100.0	1,140,318	100.0	124,217	218	100.0	Economic Area 3, Missouri.....	10,452	100.0	404,223	100.0	34,219	169	100.0
Farms using by pounds per acre:								Farms using by pounds per acre:							
Under 75.....	749	3.8	41,101	3.6	1,082	53	0.9	Under 75.....	566	5.4	24,882	6.2	686	55	2.0
75 to 149.....	7,379	37.2	448,147	39.3	24,782	111	20.0								

Table 7.—FARMS REPORTING, ACRES FERTILIZED, AND TONS OF FERTILIZER USED ON FARMS CLASSIFIED BY RATE OF USE PER ACRE, FOR SELECTED CROPS; FOR SELECTED ECONOMIC AREAS: 1954—Continued

Crop, economic area, and rate of use per acre	Farms reporting		Acres fertilized		Fertilizer used			Crop, economic area, and rate of use per acre	Farms reporting		Acres fertilized		Fertilizer used		
	Number	Percent distribution	Total	Percent distribution	Tons	Average per acre (lb.)	Percent distribution		Number	Percent distribution	Total	Percent distribution	Tons	Average per acre (lb.)	Percent distribution
CORN—Continued															
Economic Area 7, Virginia.....	19,203	100.0	129,876	100.0	27,071	417	100.0	Economic Area 5, Georgia.....	4,641	100.0	130,179	100.0	16,949	260	100.0
Farms using by pounds per acre:								Farms using by pounds per acre:							
Under 75.....	115	0.6	915	0.7	24	52	0.1	Under 75.....	206	4.4	6,400	4.9	189	59	1.1
75 to 149.....	811	4.2	5,982	4.6	359	120	1.3	75 to 149.....	823	17.7	23,856	18.3	1,345	113	7.9
150 to 224.....	2,760	14.4	20,643	15.9	1,993	193	7.4	150 to 224.....	1,092	23.6	32,470	24.9	2,985	184	17.6
225 to 299.....	2,440	12.7	18,428	14.2	2,389	259	8.8	225 to 299.....	740	15.9	22,932	17.6	2,838	248	16.7
300 to 374.....	2,806	14.6	19,041	14.7	3,106	326	11.5	300 to 374.....	673	14.5	17,980	13.8	2,889	321	17.0
375 to 449.....	3,088	16.1	21,927	16.9	4,413	403	16.3	375 to 449.....	508	10.9	12,230	9.4	2,474	405	14.6
450 to 524.....	2,452	12.8	14,231	11.0	3,516	494	13.0	450 to 524.....	289	6.2	7,006	5.4	1,719	491	10.1
525 to 599.....	509	2.6	4,173	3.2	1,164	598	4.3	525 to 599.....	64	1.4	1,962	1.5	538	54	3.2
600 to 674.....	1,621	8.4	9,815	7.6	3,118	635	11.5	600 to 674.....	122	2.6	1,778	1.4	553	62	3.3
675 to 749.....	259	1.3	1,861	1.4	658	708	2.4	675 to 749.....	23	0.5	1,393	1.1	491	70	2.9
750 to 824.....	690	3.6	4,283	3.3	1,683	786	6.2	750 to 824.....	53	1.1	1,517	1.2	587	77	3.5
825 and over.....	1,652	8.6	8,577	6.6	4,648	1,084	17.2	825 and over.....	48	1.0	655	0.5	341	1,041	2.0
Economic Areas 3, 4a, and 4b, North Carolina.....	44,863	100.0	312,731	100.0	59,049	377	100.0	Economic Area 5, Alabama.....	19,054	100.0	285,426	100.0	40,278	282	100.0
Farms using by pounds per acre:								Farms using by pounds per acre:							
Under 75.....	362	0.8	3,295	1.0	86	52	0.1	Under 75.....	501	2.6	9,039	3.2	233	52	0.6
75 to 149.....	1,944	4.4	15,602	5.0	914	117	1.5	75 to 149.....	2,468	13.0	45,185	15.8	2,610	116	6.5
150 to 224.....	8,522	19.0	59,679	19.1	5,797	194	9.8	150 to 224.....	4,644	24.4	77,174	27.0	7,308	189	18.1
225 to 299.....	6,079	13.5	47,614	15.2	6,190	260	10.5	225 to 299.....	2,938	15.4	43,761	15.3	5,656	258	14.0
300 to 374.....	7,266	16.2	52,198	16.7	8,534	326	14.5	300 to 374.....	2,829	14.8	40,346	14.1	6,594	327	16.4
375 to 449.....	7,126	15.9	52,169	16.7	10,558	404	17.9	375 to 449.....	2,212	11.6	32,046	11.2	6,446	402	16.0
450 to 524.....	4,686	10.4	29,134	9.3	7,199	494	12.2	450 to 524.....	1,457	7.6	16,611	5.8	4,050	488	10.0
525 to 599.....	1,155	2.6	11,859	3.8	3,314	558	5.6	525 to 599.....	368	1.9	6,426	2.3	1,787	556	4.4
600 to 674.....	3,361	7.5	19,042	6.1	6,051	635	10.2	600 to 674.....	783	4.1	7,759	2.7	2,429	626	6.0
675 to 749.....	365	0.8	2,570	0.8	904	703	1.5	675 to 749.....	117	0.6	1,876	0.7	663	707	1.6
750 to 824.....	1,277	2.8	7,912	2.5	3,088	780	5.2	750 to 824.....	246	1.3	2,249	0.8	886	788	2.2
825 and over.....	2,720	6.1	11,657	3.7	6,414	1,100	10.9	825 and over.....	491	2.6	2,954	1.0	1,616	1,094	4.0
Economic Area 6, South Carolina.....	20,732	100.0	341,792	100.0	64,332	376	100.0	Economic Area 2, Mississippi.....	17,198	100.0	212,428	100.0	29,968	282	100.0
Farms using by pounds per acre:								Farms using by pounds per acre:							
Under 75.....	273	1.3	4,900	1.4	132	54	0.2	Under 75.....	687	3.9	11,063	5.2	297	53	1.0
75 to 149.....	1,644	7.9	28,971	8.5	2,062	142	3.2	75 to 149.....	3,184	18.6	40,608	19.2	2,260	111	7.5
150 to 224.....	3,559	17.2	56,217	16.4	5,397	192	8.4	150 to 224.....	4,748	27.7	54,014	25.5	5,134	190	17.2
225 to 299.....	2,537	12.2	40,630	11.9	5,335	263	8.3	225 to 299.....	2,213	12.9	27,956	13.2	3,630	259	12.2
300 to 374.....	3,003	14.5	47,635	13.9	7,775	326	12.1	300 to 374.....	2,145	12.5	27,021	12.8	4,352	322	14.6
375 to 449.....	3,579	17.3	62,126	18.2	12,499	402	19.4	375 to 449.....	1,612	9.4	19,899	9.4	4,009	402	13.3
450 to 524.....	2,409	11.6	36,053	10.5	8,862	492	13.8	450 to 524.....	1,078	6.3	11,123	5.2	2,731	490	9.1
525 to 599.....	1,603	7.7	17,725	5.2	4,246	547	7.5	525 to 599.....	245	1.4	4,766	2.2	1,331	558	4.4
600 to 674.....	1,453	7.0	22,540	6.6	7,012	622	10.9	600 to 674.....	565	3.3	6,554	3.0	2,084	635	6.9
675 to 749.....	271	1.3	6,980	2.0	2,430	696	3.8	675 to 749.....	100	0.5	2,426	1.1	865	713	2.9
750 to 824.....	547	2.6	9,070	2.6	3,491	750	5.3	750 to 824.....	200	1.1	2,151	1.0	845	785	2.8
825 and over.....	797	3.8	8,945	2.6	4,581	1,024	7.1	825 and over.....	421	2.4	4,842	2.2	2,430	1,003	8.1
OATS															
Economic Areas 7 and 8, Wisconsin.....	16,429	100.0	431,570	100.0	40,656	188	100.0	Economic Areas 7 and 8, Wisconsin—Continued							
Farms using by pounds per acre:								Farms using by pounds per acre:							
Under 75.....	492	2.9	15,940	3.7	435	55	1.1	Under 75.....	95	0.6	1,995	0.5	552	553	1.4
75 to 149.....	4,421	26.0	132,108	30.6	7,590	115	18.7	75 to 149.....	130	0.8	1,610	0.4	510	627	1.2
150 to 224.....	7,237	42.6	183,007	42.4	16,775	183	41.2	150 to 224.....	625	3.9	54,014	12.5	5,134	190	17.2
225 to 299.....	2,402	14.1	56,789	13.2	7,206	254	17.7	225 to 299.....	2,213	12.9	27,956	13.2	3,630	259	12.2
300 to 374.....	1,252	7.4	25,915	6.0	4,152	320	10.2	300 to 374.....	2,145	12.5	27,021	12.8	4,352	322	14.6
375 to 449.....	614	3.6	9,161	2.1	1,835	401	4.5	375 to 449.....	1,612	9.4	19,899	9.4	4,009	402	13.3
450 to 524.....	200	1.2	3,335	0.8	815	489	2.0	450 to 524.....	1,078	6.3	11,123	5.2	2,731	490	9.1
WHEAT															
Economic Areas 1 and 2, New York.....	12,714	100.0	198,446	100.0	33,157	334	100.0	Economic Area 7, Ohio—Continued							
Farms using by pounds per acre:								Farms using by pounds per acre:							
Under 75.....	60	0.5	1,220	0.6	26	43	0.1	Under 75.....	100	2.1	1,595	1.6	439	550	3.2
75 to 149.....	293	2.3	4,268	2.2	259	121	0.9	75 to 149.....	105	2.2	1,265	1.3	404	638	2.9
150 to 224.....	1,805	14.2	30,460	15.3	2,970	195	9.0	150 to 224.....	10	0.2	100	0.1	35	700	0.2
225 to 299.....	2,633	20.7	45,100	22.7	6,009	266	18.1	225 to 299.....	25	0.5	190	0.2	72	757	0.5
300 to 374.....	3,504	27.6	56,458	28.4	9,140	324	27.6	300 to 374.....	141	2.9	1,737	1.8	722	891	5.2
375 to 449.....	2,211	17.4	35,125	17.7	7,060	402	21.3	375 to 449.....							
450 to 524.....	970	7.6	12,053	6.1	2,933	487	8.8	450 to 524.....							
525 to 599.....	290	2.3	4,044	2.0	1,115	551	3.4	525 to 599.....							
600 to 674.....	510	4.0	5,165	2.6	1,640	635	4.9	600 to 674.....							
675 to 749.....	65	0.5	810	0.4	287	709	0.9	675 to 749.....							
750 to 824.....	146	1.1	2,131	1.1	818	768	2.5	750 to 824.....							
825 and over.....	227	1.8	1,612	0.8	900	1,117	2.7	825 and over.....							
Economic Areas 1 and 2, New Jersey.....	2,748	100.0	45,959	100.0	9,504	414	100.0	Economic Areas 1 and 3, Illinois..	1,704	100.0	35,198	100.0	5,514	313	100.0
Farms using by pounds per acre:								Farms using by pounds per acre:							
Under 75.....	15	0.5	255	0.6	8	63	0.1	Under 75.....	50	2.9	1,970	5.6	54	55	1.0
75 to 149.....	100	3.6	2,145	4.7	116	108	1.2	75 to 149.....	312	18.3	7,424	21.1	442	119	8.0
150 to 224.....	251	9.1	4,369	9.5	425	195	4.5	150 to 224.....	467	27.4	9,802	27.8	924	189	16.8
225 to 299.....	326	11.9	6,601	14.4	892	270	9.4	225 to 299.....	283	16.6	5,455	15.5	704	258	12.8
300 to 374.....	481	17.5	8,150	17.7	1,333	326	14.0	300 to 374.....	160	9.4	3,125	8.9	516	330	9.4
375 to 449.....	630	22.9	10,285	22.4	2,075	404	21.8	375 to 449.....	131	7.7	2,255	6.4	458	406	8.3
450 to 524.....	318	11.6	5,634	12.2	1,376	488	14.5	450 to 524.....	65	3.8	1,280	3.6	312	488	5.6

USE OF FERTILIZER AND LIME

Table 7.—FARMS REPORTING, ACRES FERTILIZED, AND TONS OF FERTILIZER USED ON FARMS CLASSIFIED BY RATE OF USE PER ACRE, FOR SELECTED CROPS; FOR SELECTED ECONOMIC AREAS: 1954—Continued

Crop, economic area, and rate of use per acre	Farms reporting		Acres fertilized		Fertilizer used			Crop, economic area, and rate of use per acre	Farms reporting		Acres fertilized		Acres fertilized		
	Number	Percent distribution	Total	Percent distribution	Tons	Average per acre (lb.)	Percent distribution		Number	Percent distribution	Total	Percent distribution	Tons	Average per acre (lb.)	Percent distribution
WHEAT—Continued															
Economic Areas 1a and 1b, Iowa.....	581	100.0	23,790	100.0	1,460	123	100.0	Economic Area 3, Missouri.....	9,119	100.0	237,810	100.0	22,051	185	100.0
Farms using by pounds per acre:								Farms using by pounds per acre:							
Under 75.....	91	15.7	5,707	24.0	177	62	12.1	Under 75.....	209	2.3	4,372	1.8	115	53	0.5
75 to 149.....	297	51.1	12,718	53.4	707	111	48.4	75 to 149.....	3,403	37.3	89,033	37.4	5,234	118	23.7
150 to 224.....	143	24.6	4,440	18.7	402	181	27.5	150 to 224.....	3,470	38.0	96,438	40.6	8,915	185	40.4
225 to 299.....	20	3.4	280	1.2	36	257	2.5	225 to 299.....	1,088	11.9	25,760	10.8	3,275	254	14.8
300 to 374.....	15	2.6	250	1.0	43	344	2.9	300 to 374.....	436	4.8	11,387	4.8	1,842	324	8.4
375 to 449.....	10	1.7	95	0.4	20	421	1.4	375 to 449.....	252	2.8	6,128	2.6	1,218	398	5.5
450 to 524.....	5	0.9	300	1.3	75	500	5.1	450 to 524.....	93	1.0	2,090	0.9	515	493	2.3
525 to 599.....	.....	.....	.....	.....	.....	.....	.....	525 to 599.....	54	0.6	864	0.4	239	553	1.1
600 to 674.....	.....	.....	.....	.....	.....	.....	.....	600 to 674.....	44	0.5	593	0.2	188	634	0.8
675 to 749.....	.....	.....	.....	.....	.....	.....	.....	675 to 749.....	5	(2)	245	0.1	90	735	0.4
750 to 824.....	.....	.....	.....	.....	.....	.....	.....	750 to 824.....	20	0.2	400	0.2	155	775	0.7
825 and over.....	.....	.....	.....	.....	.....	.....	.....	825 and over.....	45	0.5	500	0.2	265	1,060	1.2
TOBACCO															
Economic Areas 3, 4a, and 4b, North Carolina.....	33,857	100.0	155,095	100.0	90,122	1,162	100.0	Economic Area 7, Virginia.....	18,832	100.0	84,325	100.0	52,323	1,241	100.0
Farms using by pounds per acre:								Farms using by pounds per acre:							
Under 75.....	20	(2)	165	0.1	4	48	(2)	Under 75.....	70	0.1	480	0.6	16	67	(2)
75 to 149.....	90	0.3	910	0.6	51	112	0.1	75 to 149.....	20	0.4	1,145	1.4	78	136	0.1
150 to 224.....	161	0.5	1,121	0.7	112	200	0.1	150 to 224.....	70	0.4	330	0.4	33	200	0.1
225 to 299.....	130	0.4	760	0.5	99	261	0.1	225 to 299.....	60	0.3	300	0.4	41	273	0.1
300 to 374.....	230	0.7	975	0.6	163	334	0.2	300 to 374.....	80	0.4	390	0.5	64	328	0.1
375 to 449.....	265	0.8	1,070	0.7	219	409	0.2	375 to 449.....	165	0.9	865	1.0	176	407	0.3
450 to 524.....	636	1.9	2,877	1.8	713	496	0.8	450 to 524.....	311	1.6	1,031	1.2	257	499	0.5
525 to 599.....	180	0.5	1,085	0.7	303	559	0.3	525 to 599.....	85	0.4	565	0.7	158	559	0.3
600 to 674.....	1,481	4.4	6,493	4.2	2,082	641	2.3	600 to 674.....	695	3.7	2,870	3.4	963	671	1.8
675 to 749.....	325	1.0	1,530	1.0	544	711	0.6	675 to 749.....	130	0.7	750	0.9	267	712	0.5
750 to 824.....	1,715	5.1	7,715	5.0	3,049	790	3.4	750 to 824.....	702	3.7	3,086	3.6	1,202	779	2.3
825 and over.....	28,624	84.5	130,394	84.1	82,783	1,270	91.8	825 and over.....	16,444	87.3	72,513	86.0	49,068	1,353	93.8
COTTON															
Economic Area 6, South Carolina.....	21,020	100.0	326,718	100.0	98,566	603	100.0	Economic Area 5, Alabama.....	15,141	100.0	154,883	100.0	40,971	529	100.0
Farms using by pounds per acre:								Farms using by pounds per acre:							
Under 75.....	56	0.3	1,290	0.4	38	59	(2)	Under 75.....	55	0.4	1,470	1.0	37	50	0.1
75 to 149.....	158	0.8	3,202	1.0	188	117	0.2	75 to 149.....	171	1.1	1,330	0.8	81	122	1.2
150 to 224.....	513	2.4	7,981	2.4	772	193	0.8	150 to 224.....	675	4.5	6,707	4.3	651	194	1.6
225 to 299.....	656	3.1	10,162	3.1	1,364	268	1.4	225 to 299.....	966	6.4	9,599	6.2	1,272	264	3.1
300 to 374.....	1,193	5.7	17,525	5.4	2,930	334	3.0	300 to 374.....	1,829	12.1	19,317	12.5	3,214	332	7.8
375 to 449.....	2,770	13.2	36,451	11.2	7,436	408	7.5	375 to 449.....	2,587	17.1	25,825	16.7	5,290	409	12.9
450 to 524.....	3,656	17.4	50,294	15.4	12,442	495	12.6	450 to 524.....	2,411	15.9	27,977	18.1	6,900	493	16.8
525 to 599.....	1,965	9.3	36,841	11.3	10,303	559	10.4	525 to 599.....	1,031	6.8	13,806	8.9	3,864	559	9.4
600 to 674.....	4,249	20.2	65,060	19.9	20,298	624	20.6	600 to 674.....	2,136	14.1	17,867	11.5	5,646	632	13.8
675 to 749.....	1,256	6.0	26,884	8.2	9,567	712	9.7	675 to 749.....	447	2.9	7,578	4.9	2,691	710	6.6
750 to 824.....	2,085	9.9	33,520	10.2	13,382	798	13.6	750 to 824.....	1,012	6.7	9,692	6.2	3,809	786	9.3
825 and over.....	2,463	11.7	37,508	11.5	19,846	1,058	20.1	825 and over.....	1,821	12.0	13,715	8.9	7,517	1,096	18.3
Economic Area 5, Georgia.....	3,414	100.0	49,546	100.0	13,500	545	100.0	Economic Area 2, Mississippi.....	26,128	100.0	351,911	100.0	69,985	397	100.0
Farms using by pounds per acre:								Farms using by pounds per acre:							
Under 75.....	10	0.3	120	0.2	3	50	(2)	Under 75.....	163	0.6	7,892	2.2	87	22	1.2
75 to 149.....	41	1.2	715	1.4	50	140	0.4	75 to 149.....	1,273	4.8	24,058	6.9	1,326	110	1.8
150 to 224.....	175	5.1	2,105	4.2	205	195	1.5	150 to 224.....	3,164	12.2	46,189	13.3	4,405	190	6.2
225 to 299.....	204	6.0	2,638	5.3	354	268	2.6	225 to 299.....	3,087	11.9	42,425	12.1	5,272	260	7.8
300 to 374.....	336	9.8	4,496	9.1	746	332	5.5	300 to 374.....	3,746	14.4	51,047	14.6	8,327	327	11.8
375 to 449.....	447	13.1	7,442	15.0	1,536	413	11.4	375 to 449.....	4,990	19.1	62,615	17.8	12,756	407	18.1
450 to 524.....	444	13.0	7,437	15.0	1,825	491	13.5	450 to 524.....	3,624	13.9	44,846	12.7	10,984	489	15.5
525 to 599.....	575	16.8	8,082	16.3	2,155	533	16.0	525 to 599.....	1,376	5.3	22,077	6.2	6,152	557	8.7
600 to 674.....	470	13.8	7,207	14.5	2,274	631	16.8	600 to 674.....	1,878	7.1	20,213	5.7	6,360	629	9.0
675 to 749.....	157	4.6	2,822	5.7	1,008	714	7.5	675 to 749.....	397	1.5	6,301	1.7	2,188	694	3.1
750 to 824.....	167	4.9	1,677	3.4	664	792	4.9	750 to 824.....	804	3.0	7,134	2.0	2,788	781	3.9
825 and over.....	388	11.4	4,805	9.7	2,680	1,116	19.8	825 and over.....	1,626	6.2	17,114	4.8	9,040	1,056	12.9
FRUITS, VEGETABLES, AND POTATOES															
Economic Areas 1 and 2, New York.....	6,363	100.0	155,103	100.0	55,732	718	100.0	Economic Area 7, Ohio.....	442	100.0	3,620	100.0	894	494	100.0
Farms using by pounds per acre:								Farms using by pounds per acre:							
Under 249.....	994	15.7	33,287	21.5	2,698	159	4.8	Under 249.....	125	28.3	1,125	31.1	105	186	11.7
250 to 499.....	1,603	25.2	41,426	26.8	7,333	354	13.2	250 to 499.....	130	29.4	1,250	34.5	249	398	27.9
500 to 749.....	1,161	18.3	25,867	16.7	7,842	606	14.1	500 to 749.....	65	14.7	595	16.5	164	551	18.3
750 to 999.....	539	8.5	15,670	10.2	6,746	861	12.2	750 to 999.....	22	5.0	370	10.2	170	919	19.0
1,000 to 1,249.....	824	13.0	13,878	9.0	7,442	1,072	13.4	1,000 to 1,249.....	45	10.2	100	2.8	50	1,000	5.6
1,250 to 1,499.....	320	5.0	6,990	4.5	4,724	1,352	8.5	1,250 to 1,499.....	20	4.5	120	3.3	79	1,317	8.8
1,500 to 1,749.....	302	4.7	5,936	3.8	4,810	1,620	8.6	1,500 to 1,749.....	10	2.3	30	0.8	24	1,600	2.7
1,750 to 1,999.....	110	1.7	3,400	2.1	3,139	1,847	5.6	1,750 to 1,999.....	.....	.....	.....	.....	.....	.....	.....
2,000 to 2,249.....	331	5.2	1,929	1.2	1,938	2,008	3.4	2,000 to 2,249.....	5	1.1	5	0.1	5	2,000	0.6
2,250 to 2,499.....	59	0.9	3,375	2.1	3,950	2,340	7.0	2,250 to 2,499.....	.....	.....	.....	.....	.....	.....	.....
2,500 to 2,749.....	.....	.....	.....	.....	.....	.....	.....	2,500 to 2,749.....	.....	.....	.....	.....	.....	.....	.....
2,750 and over.....	120	1.8	3,345	2.1	5,150	3,079	9.2	2,750 and over.....	20	4.5	25	0.7	48	3,840	5.4
Economic Areas 1 and 2, New Jersey.....	5,368	100.0	185,445	100.0	127,691	1,377	100.0	Economic Areas 1 and 3, Illinois..	336	100.0	40,036	100.0	5,955	297	100.0
Farms using by pounds per acre:								F							

Table 7.—FARMS REPORTING, ACRES FERTILIZED, AND TONS OF FERTILIZER USED ON FARMS CLASSIFIED BY RATE OF USE PER ACRE, FOR SELECTED CROPS; FOR SELECTED ECONOMIC AREAS: 1954—Continued

Crop, economic area, and rate of use per acre	Farms reporting		Acres fertilized		Fertilizer used			Crop, economic area, and rate of use per acre	Farms reporting		Acres fertilized		Fertilizer used		
	Number	Percent distribution	Total	Percent distribution	Tons	Average per acre (lb.)	Percent distribution		Number	Percent distribution	Total	Percent distribution	Tons	Average per acre (lb.)	Percent distribution
FRUITS, VEGETABLES, AND POTATOES—Continued															
Economic Area 7, Illinois.....	300	100.0	7,424	100.0	1,286	34.6	100.0	Economic Areas 3, 4a, and 4b, North Carolina.....	17,835	100.0	27,612	100.0	8,912	64.5	100.0
Farms using by pounds per acre:								Farms using by pounds per acre:							
Under 249.....	130	43.3	2,970	40.2	286	193	22.3	Under 249.....	4,316	24.2	6,060	21.9	637	210	7.1
250 to 499.....	68	22.6	3,407	45.9	576	338	44.8	250 to 499.....	5,171	29.0	8,440	30.6	1,778	421	20.0
500 to 749.....	47	15.7	562	7.6	157	55.8	12.3	500 to 749.....	2,984	16.7	5,242	19.1	1,767	671	19.8
750 to 999.....	10	3.3	265	3.5	128	96.6	9.9	750 to 999.....	945	5.3	2,156	7.8	944	875	10.6
1,000 to 1,249.....	30	10.0	45	0.6	23	1,022	1.8	1,000 to 1,249.....	3,652	20.5	4,553	16.5	2,616	1,149	29.4
1,250 to 1,499.....	5	1.7	160	2.1	100	1,250	7.7	1,250 to 1,499.....	130	0.8	195	0.7	135	1,384	1.5
1,500 to 1,749.....	5	1.7	10	0.1	8	1,600	0.6	1,500 to 1,749.....	145	0.8	200	0.7	158	1,580	1.8
1,750 to 1,999.....	.....	.....	.....	.....	.....	.....	.....	1,750 to 1,999.....	25	0.1	65	0.2	59	1,815	0.7
2,000 to 2,249.....	.....	.....	.....	.....	.....	.....	.....	2,000 to 2,249.....	425	2.4	465	1.7	490	2,107	5.5
2,250 to 2,499.....	.....	.....	.....	.....	.....	.....	.....	2,250 to 2,499.....	5	(2)	5	(2)	6	2,400	(2)
2,500 to 2,749.....	.....	.....	.....	.....	.....	.....	.....	2,500 to 2,749.....	.....	.....	.....	.....	.....	.....	.....
2,750 and over.....	5	1.7	5	0.1	8	3,200	0.6	2,750 and over.....	37	0.2	211	0.8	322	3,052	3.6
Economic Areas 7 and 8, Wisconsin.....	3,717	100.0	94,697	100.0	13,598	287	100.0	Economic Area 6, South Carolina.....	5,913	100.0	42,972	100.0	15,591	726	100.0
Farms using by pounds per acre:								Farms using by pounds per acre:							
Under 249.....	1,801	48.5	54,478	57.5	4,952	181	36.4	Under 249.....	603	10.2	3,016	7.0	254	168	1.6
250 to 499.....	1,272	34.3	32,027	33.9	5,209	325	38.3	250 to 499.....	1,172	19.8	9,335	21.7	1,772	380	11.4
500 to 749.....	82	8.7	4,112	4.3	1,225	595	9.0	500 to 749.....	1,439	24.3	11,885	27.6	3,618	609	23.2
750 to 999.....	35	2.2	1,820	1.9	756	831	5.6	750 to 999.....	667	11.3	8,668	20.2	3,635	839	23.3
1,000 to 1,249.....	145	3.9	1,395	1.5	738	1,058	5.4	1,000 to 1,249.....	1,574	26.6	6,918	16.1	3,774	1,091	24.2
1,250 to 1,499.....	16	0.4	560	0.6	410	1,464	3.0	1,250 to 1,499.....	84	1.4	1,159	2.7	778	1,343	5.0
1,500 to 1,749.....	11	0.3	75	0.1	60	1,600	0.4	1,500 to 1,749.....	124	2.1	1,092	2.5	866	1,586	5.6
1,750 to 1,999.....	5	0.1	40	(2)	35	1,750	0.3	1,750 to 1,999.....	12	0.2	355	0.8	333	1,876	2.1
2,000 to 2,249.....	50	1.3	160	0.2	163	2,037	1.2	2,000 to 2,249.....	217	3.7	489	1.1	490	2,004	3.1
2,250 to 2,499.....	.....	.....	.....	.....	.....	.....	.....	2,250 to 2,499.....	1	(2)	20	(2)	23	2,000	0.1
2,500 to 2,749.....	.....	.....	.....	.....	.....	.....	.....	2,500 to 2,749.....	20	0.3	35	0.1	48	2,743	0.3
2,750 and over.....	10	0.3	30	(2)	50	3,333	0.4	2,750 and over.....	.....	.....	.....	.....	.....	.....	.....
Economic Areas 1a and 1b, Iowa.....	54	100.0	819	100.0	89	217	100.0	Economic Area 5, Georgia.....	1,492	100.0	17,710	100.0	5,068	572	100.0
Farms using by pounds per acre:								Farms using by pounds per acre:							
Under 249.....	12	22.2	509	62.1	27	106	30.3	Under 249.....	308	20.6	3,355	18.9	275	163	5.4
250 to 499.....	32	59.3	300	36.6	49	327	55.1	250 to 499.....	378	25.3	5,794	32.7	1,019	351	20.1
500 to 749.....	.....	.....	.....	.....	.....	.....	.....	500 to 749.....	448	30.0	3,993	22.5	1,152	577	27.2
750 to 999.....	.....	.....	.....	.....	.....	.....	.....	750 to 999.....	99	6.6	2,281	12.9	976	855	19.2
1,000 to 1,249.....	5	9.2	5	0.7	3	1,200	3.4	1,000 to 1,249.....	137	9.2	447	2.5	226	1,011	4.5
1,250 to 1,499.....	.....	.....	.....	.....	.....	.....	.....	1,250 to 1,499.....	26	1.7	1,485	8.4	1,057	1,423	20.9
1,500 to 1,749.....	.....	.....	.....	.....	.....	.....	.....	1,500 to 1,749.....	20	1.3	50	0.3	38	1,520	0.7
1,750 to 1,999.....	.....	.....	.....	.....	.....	.....	.....	1,750 to 1,999.....	.....	.....	.....	.....	.....	.....	.....
2,000 to 2,249.....	.....	.....	.....	.....	.....	.....	.....	2,000 to 2,249.....	66	4.4	185	1.1	185	2,000	3.6
2,250 to 2,499.....	.....	.....	.....	.....	.....	.....	.....	2,250 to 2,499.....	10	0.7	120	0.7	140	2,333	2.8
2,500 to 2,749.....	.....	.....	.....	.....	.....	.....	.....	2,500 to 2,749.....	.....	.....	.....	.....	.....	.....	.....
2,750 and over.....	5	9.2	5	0.7	10	4,000	11.2	2,750 and over.....	.....	.....	.....	.....	.....	.....	.....
Economic Area 3, Missouri.....	231	100.0	3,932	100.0	308	156	100.0	Economic Area 5, Alabama.....	3,905	100.0	17,259	100.0	5,855	678	100.0
Farms using by pounds per acre:								Farms using by pounds per acre:							
Under 249.....	149	64.5	3,605	91.7	234	129	76.0	Under 249.....	916	23.5	3,842	22.3	456	237	7.8
250 to 499.....	27	11.7	247	6.3	41	331	13.3	250 to 499.....	1,044	26.7	6,303	36.5	1,486	471	25.4
500 to 749.....	30	13.0	55	1.4	17	618	5.5	500 to 749.....	660	16.9	2,967	17.2	1,082	729	18.5
750 to 999.....	10	4.3	10	0.2	4	800	1.3	750 to 999.....	204	5.2	1,146	6.6	550	959	9.4
1,000 to 1,249.....	5	2.2	5	0.1	3	1,200	1.0	1,000 to 1,249.....	747	19.1	1,782	10.3	1,078	1,209	18.4
1,250 to 1,499.....	.....	.....	.....	.....	.....	.....	.....	1,250 to 1,499.....	52	1.3	492	2.9	362	1,471	6.2
1,500 to 1,749.....	5	2.2	5	0.1	4	1,600	1.3	1,500 to 1,749.....	65	1.7	230	1.3	189	1,643	3.2
1,750 to 1,999.....	.....	.....	.....	.....	.....	.....	.....	1,750 to 1,999.....	6	0.1	113	0.6	107	1,893	1.8
2,000 to 2,249.....	5	2.2	5	0.1	5	2,000	1.6	2,000 to 2,249.....	161	4.1	289	1.7	315	2,179	5.4
2,250 to 2,499.....	.....	.....	.....	.....	.....	.....	.....	2,250 to 2,499.....	.....	.....	.....	.....	.....	.....	.....
2,500 to 2,749.....	.....	.....	.....	.....	.....	.....	.....	2,500 to 2,749.....	.....	.....	.....	.....	.....	.....	.....
2,750 and over.....	.....	.....	.....	.....	.....	.....	.....	2,750 and over.....	50	1.3	95	0.5	230	4,842	3.9
Economic Area 7, Virginia.....	6,425	100.0	10,800	100.0	3,775	699	100.0	Economic Area 2, Mississippi.....	736	100.0	2,419	100.0	641	529	100.0
Farms using by pounds per acre:								Farms using by pounds per acre:							
Under 249.....	1,166	17.6	2,440	22.6	260	213	6.9	Under 249.....	163	22.1	478	19.8	44	184	6.9
250 to 499.....	1,640	24.8	3,030	28.0	623	411	16.5	250 to 499.....	220	30.0	1,088	45.0	198	364	31.0
500 to 749.....	1,108	16.7	1,848	17.1	639	691	16.9	500 to 749.....	126	17.2	364	15.0	106	562	16.5
750 to 999.....	345	5.2	495	4.6	213	860	5.7	750 to 999.....	26	3.5	96	4.0	40	833	6.2
1,000 to 1,249.....	1,889	28.5	2,191	20.3	1,246	1,137	33.0	1,000 to 1,249.....	158	21.5	265	11.0	138	1,042	21.4
1,250 to 1,499.....	65	1.0	65	0.6	46	1,415	1.2	1,250 to 1,499.....	10	1.4	30	1.2	20	1,333	3.1
1,500 to 1,749.....	116	1.8	170	1.6	139	1,635	3.7	1,500 to 1,749.....	1	0.1	13	0.5	10	1,538	1.6
1,750 to 1,999.....	25	0.4	145	1.3	128	1,765	3.4	1,750 to 1,999.....	.....	.....	.....	.....	.....	.....	.....
2,000 to 2,249.....	231	3.5	361	3.4	396	2,193	10.5	2,000 to 2,249.....	32	4.3	85	3.5	85	2,000	13.3
2,250 to 2,499.....	10	0.1	20	0.2	24	2,400	0.6	2,250 to 2,499.....	.....	.....	.....	.....	.....	.....	.....
2,500 to 2,749.....	.....	.....	.....	.....	.....	.....	.....	2,500 to 2,749.....	.....	.....	.....	.....	.....	.....	.....
2,750 and over.....	30	0.4	35	0.3	61	3,485	1.6	2,750 and over.....	.....	.....	.....	.....	.....	.....	.....
OTHER CROPS															
Economic Areas 1 and 2, New York.....	12,241	100.0	262,221	100.0	41,621	317	100.0	Economic Areas 1 and 2, New Jersey.....	4,130	100.0	72,942	100.0	19,423	533	100.0
Farms using by pounds per acre:								Farms using by pounds per acre:							
Under 75.....	120	1.0	2,610	1.0	42	32	0.1	Under 75.....	10	0.2	165	0.2	6	73	(2)
75 to 149.....	590	4.8	15,320	5.8	928	121	2.2	75 to 149.....	135	3.3	3,750	5.1	236	126	1.2
150 to 224.....	2,33														

USE OF FERTILIZER AND LIME

Table 7.—FARMS REPORTING. ACRES FERTILIZED, AND TONS OF FERTILIZER USED ON FARMS CLASSIFIED BY RATE OF USE PER ACRE. FOR SELECTED CROPS; FOR SELECTED ECONOMIC AREAS: 1954—Continued

Crop, economic area, and rate of use per acre	Farms reporting		Acres fertilized		Fertilizer used			Crop, economic area, and rate of use per acre	Farms reporting		Acres fertilized		Fertilizer used		
	Number	Percent distribution	Total	Percent distribution	Tons	Average per acre (lb.)	Percent distribution		Number	Percent distribution	Total	Percent distribution	Tons	Average per acre (lb.)	Percent distribution
OTHER CROPS—Continued															
Economic Area 7, Ohio.....	5,449	100.0	30,430	100.0	8,806	579	100.0	Economic Area 7, Virginia.....	6,113	100.0	47,127	100.0	10,280	436	100.0
Farms using by pounds per acre:								Farms using by pounds per acre:							
Under 75.....	...	...	...	...	...	...	...	Under 75.....	25	0.4	115	0.2	4	69	(2)
75 to 149.....	186	3.4	3,444	11.3	209	121	2.4	75 to 149.....	246	4.0	1,960	4.1	110	112	1.1
150 to 224.....	492	9.0	6,395	21.0	648	202	7.4	150 to 224.....	753	12.3	6,910	14.7	673	195	6.5
225 to 299.....	353	6.5	5,111	16.8	702	274	8.0	225 to 299.....	637	10.4	6,116	13.0	801	261	7.8
300 to 374.....	321	5.9	3,028	9.9	520	343	5.9	300 to 374.....	862	14.1	8,468	18.1	1,392	328	13.5
375 to 449.....	251	4.6	2,180	7.2	459	421	5.2	375 to 449.....	904	14.8	6,601	14.0	1,345	407	13.1
450 to 524.....	156	2.9	1,120	3.7	278	496	3.2	450 to 524.....	738	12.1	5,169	11.0	1,254	485	12.2
525 to 599.....	41	0.7	759	2.5	216	569	2.4	525 to 599.....	187	3.1	2,418	5.1	680	562	6.6
600 to 674.....	221	4.1	933	3.1	300	643	3.4	600 to 674.....	658	10.8	3,362	7.1	1,064	632	10.4
675 to 749.....	30	0.5	240	0.8	86	717	1.0	675 to 749.....	70	1.1	720	1.5	256	711	2.5
750 to 824.....	120	2.2	1,305	4.3	514	787	5.8	750 to 824.....	261	4.3	1,890	4.0	730	772	7.1
825 and over.....	3,278	60.2	5,915	19.4	4,874	1,648	55.3	825 and over.....	772	12.6	3,398	7.2	1,971	1,160	19.2
Economic Areas 1 and 3, Illinois.....	6,544	100.0	215,634	100.0	37,727	350	100.0	Economic Areas 3, 4a, and 4b, North Carolina.....	24,432	100.0	355,252	100.0	62,259	350	100.0
Farms using by pounds per acre:								Farms using by pounds per acre:							
Under 75.....	182	2.8	7,155	3.3	206	58	0.5	Under 249.....	7,562	30.9	121,808	34.3	11,109	182	17.8
75 to 149.....	1,225	18.7	47,674	22.1	2,623	110	7.0	250 to 499.....	10,521	43.1	171,197	48.2	29,682	346	47.8
150 to 224.....	1,622	24.8	53,181	24.7	5,006	188	13.3	500 to 749.....	4,144	16.9	46,105	13.0	13,304	577	21.4
225 to 299.....	722	11.0	26,794	12.4	3,500	261	9.3	750 to 999.....	681	2.8	8,028	2.3	3,235	805	5.2
300 to 374.....	702	10.7	21,310	9.9	3,431	322	9.1	1,000 to 1,249.....	1,073	4.4	5,471	1.5	2,870	1,049	4.6
375 to 449.....	436	6.7	10,607	4.9	2,132	402	5.6	1,250 to 1,499.....	141	0.6	1,513	0.4	1,031	1,362	1.7
450 to 524.....	325	5.0	9,675	4.5	2,349	486	6.2	1,500 to 1,999.....	95	0.4	583	0.2	452	1,559	0.7
525 to 599.....	120	1.8	3,040	1.4	841	553	2.2	2,000 to 2,499.....	20	0.1	145	(2)	133	1,834	0.2
600 to 674.....	180	2.8	4,365	2.0	1,374	630	3.6	2,500 to 2,999.....	145	0.6	340	0.1	345	2,029	0.5
675 to 749.....	111	1.7	3,745	1.7	1,309	699	3.5	2,750 and over.....	5	(2)	5	(2)	6	2,400	(2)
750 to 824.....	92	1.4	3,863	1.8	1,534	794	4.1	.....	.....	.....	.....	.....	.....	.....	.....
825 and over.....	827	12.6	24,225	11.2	13,422	1,108	35.6	.....	45	0.2	60	(2)	92	3,233	0.1
Economic Area 7, Illinois.....	6,564	100.0	253,834	100.0	47,715	376	100.0	Economic Area 6, South Carolina.....	13,244	100.0	266,843	100.0	59,737	448	100.0
Farms using by pounds per acre:								Farms using by pounds per acre:							
Under 75.....	185	2.8	9,220	3.6	250	54	0.5	Under 249.....	2,455	18.5	90,992	34.1	7,767	171	13.0
75 to 149.....	1,001	15.2	45,194	17.8	2,611	116	5.5	250 to 499.....	2,481	18.7	96,771	36.3	17,281	357	28.9
150 to 224.....	1,979	30.1	75,457	29.7	7,103	188	14.9	500 to 749.....	1,561	11.8	41,039	15.4	12,236	596	20.5
225 to 299.....	1,753	26.6	34,089	13.4	4,417	259	9.3	750 to 999.....	564	4.2	15,454	5.8	6,453	835	10.8
300 to 374.....	576	8.8	20,200	8.0	3,270	324	6.9	1,000 to 1,249.....	1,941	14.6	9,115	3.4	4,894	1,074	8.2
375 to 449.....	369	5.6	14,049	5.5	2,874	409	6.0	1,250 to 1,499.....	1,190	9.0	5,169	1.9	3,458	1,398	5.8
450 to 524.....	240	3.6	9,510	3.7	2,342	493	4.9	1,500 to 1,999.....	1,266	9.6	3,937	1.5	3,065	1,557	5.1
525 to 599.....	100	1.5	3,330	1.3	928	557	1.9	2,000 to 2,499.....	301	2.3	1,175	0.4	1,069	1,820	1.8
600 to 674.....	150	2.3	5,265	2.1	1,638	622	3.4	2,500 to 2,999.....	1,178	8.9	2,579	1.0	2,588	2,007	4.3
675 to 749.....	40	0.6	1,620	0.6	581	717	1.2	2,750 and over.....	80	0.6	230	0.1	272	2,365	0.4
750 to 824.....	80	1.2	2,960	1.2	1,168	789	2.4	.....	.....	.....	.....	.....	.....	.....	.....
825 and over.....	1,091	16.6	32,940	13.0	20,533	1,247	43.0	.....	227	1.7	382	0.1	654	3,424	1.1
Economic Areas 7 and 8, Wisconsin.....	3,825	100.0	51,287	100.0	7,416	289	100.0	Economic Area 5, Georgia.....	1,955	100.0	48,860	100.0	8,487	347	100.0
Farms using by pounds per acre:								Farms using by pounds per acre:							
Under 75.....	65	1.7	1,740	3.4	38	44	0.5	Under 249.....	686	35.1	20,980	42.9	1,992	190	23.5
75 to 149.....	353	9.2	9,146	17.8	546	119	7.4	250 to 499.....	783	40.1	41.5	3,672	362	43.3	
150 to 224.....	976	25.5	17,430	34.0	1,693	194	22.8	500 to 749.....	289	14.8	5,418	11.1	1,624	599	19.1
225 to 299.....	545	14.3	6,851	13.4	896	261	12.1	750 to 999.....	48	2.4	865	1.8	354	818	4.2
300 to 374.....	376	9.8	3,965	7.7	654	329	8.8	1,000 to 1,249.....	87	4.5	390	1.9	486	1,075	5.7
375 to 449.....	384	10.0	4,605	9.0	923	400	12.4	1,250 to 1,499.....	11	0.6	38	0.1	25	1,315	0.3
450 to 524.....	290	7.6	2,120	4.1	493	465	6.6	1,500 to 1,999.....	16	0.8	60	0.1	46	1,333	0.5
525 to 599.....	51	1.3	825	1.6	235	569	3.2	2,000 to 2,499.....	5	0.2	250	0.5	226	1,808	2.7
600 to 674.....	200	5.2	1,495	2.9	616	6.2	2,500 to 2,999.....	20	1.0	40	0.1	40	2,000	0.5	
675 to 749.....	15	0.4	115	0.2	42	730	0.6	.....	.....	.....	.....	.....	.....	.....
750 to 824.....	70	1.8	610	1.2	242	793	3.3	.....	.....	.....	.....	.....	.....	.....
825 and over.....	500	13.1	2,385	4.7	1,193	1,000	16.1	.....	10	0.5	15	(2)	22	2,933	0.2
Economic Areas 1a and 1b, Iowa.....	13,136	100.0	505,907	100.0	39,839	157	100.0	Economic Area 5, Alabama.....	1,741	100.0	26,060	100.0	5,347	410	100.0
Farms using by pounds per acre:								Farms using by pounds per acre:							
Under 75.....	777	5.8	38,199	7.5	1,122	58	3.8	Under 249.....	520	29.9	7,958	30.5	609	153	11.4
75 to 149.....	5,709	43.5	233,945	46.2	12,637	108	31.7	250 to 499.....	541	31.1	9,245	35.5	1,740	376	32.5
150 to 224.....	4,536	34.5	161,783	32.0	14,746	182	37.0	500 to 749.....	347	19.9	7,447	28.6	2,287	614	42.8
225 to 299.....	1,063	8.1	36,755	7.3	4,659	253	10.7	750 to 999.....	55	3.2	802	3.1	336	838	6.3
300 to 374.....	624	4.7	24,445	4.9	3,930	321	9.9	1,000 to 1,249.....	212	12.2	446	1.7	234	1,049	4.4
375 to 449.....	221	1.7	6,770	1.3	1,356	401	3.4	1,250 to 1,499.....	5	0.3	15	0.1	10	1,333	0.2
450 to 524.....	61	0.5	1,800	0.4	450	500	1.1	1,500 to 1,999.....	11	0.6	97	0.4	82	1,691	1.5
525 to 599.....	10	0.1	425	0.1	120	564	0.3	2,000 to 2,499.....	50	2.9	50	0.2	49	1,960	0.9
600 to 674.....	55	0.4	945	0.2	290	613	0.8	2,500 to 2,999.....	.....	.....	.....	.....	.....	.....
675 to 749.....	.....	.....	.....	.....	.....	.....	.....	2,750 and over.....	.....	.....	.....	.....	.....	.....
750 to 824.....	10	0.1	185	(2)	74	800	0.2	.....	.....	.....	.....	.....	.....	.....
825 and over.....	70	0.5	655	0.1	455	1,389	1.1	.....	.....	.....	.....	.....	.....	.....
Economic Area 3, Missouri.....	9,247	100.0	360,205	100.0	28,978	160	100.0	Economic Area 2, Mississippi.....	1,095	100.0	44,539	100.0	6,108	274	100.0
Farms using by pounds per acre:								Farms using by pounds per acre:							
Under 75.....	511	5.5	24,480	6.8	711	58	2.4	Under 75.....	24	2.2	2,007	4.5	42	42	0.7
75 to 149.....	4,149	44.9	176,067	48.9											



