



NEW HAMPSHIRE  
AGRICULTURAL EXPERIMENT STATION

Department of Agronomy

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# Results of Seed Tests for 1953

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Made for the  
STATE DEPARTMENT OF AGRICULTURE



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By BESSIE G. SANBORN

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THE UNIVERSITY OF NEW HAMPSHIRE  
DURHAM, N. H.



Bulletin 404

August, 1953

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THE UNIVERSITY OF NEW HAMPSHIRE  
DURHAM, N. H.



## RESULTS OF SEED TESTS

Made July 1, 1952, to June 30, 1953

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This report contains the results of the seed inspection work for the State Department of Agriculture of 715 official samples collected throughout the state during the period from July 1, 1952, to June 30, 1953, by Mr. George H. Laramie, Seed Control Supervisor, and Mr. Harold Ayer, Inspector. In addition to these official samples, 1362 private samples were analyzed, making a total of 2077 samples inspected.

Wholesalers are listed in alphabetical order except when samples are presumed to have been carried over, in which case they are listed alphabetically by dealers. The New Hampshire seed law requires that both agricultural and vegetable seeds must be labeled with the calendar month and year when last tested for germination, and requires that this germination test shall have been completed within nine months of being offered for sale. In the following tables, if the date of test was within the prescribed nine months, the sample is marked satisfactory, "S" in this respect; if no date was given, the word "None" appears indicating a violation; if the date was a violation of the law because the test was not made within nine months, the date given on the tag or label appears in that column.

The first part of the report deals with 160 samples of agricultural seed tested for purity, germination and noxious weed content. There is a tolerance or allowable variation from the guarantee for both purity and germination, in accordance with the Rules for Seed Testing adopted by the Association of Official Seed Analysts, so that, for instance a sample of timothy guaranteed 99.20 for purity and 85% for germination could test as low as 98.25% for purity and 77% for germination and be "satisfactory." If a sample when tested for purity falls within the allowable variation, it is marked "S" (satisfactory); if below the allowable variation, and therefore a violation, the actual figure found for purity is given. The same is true for germination in the case of agricultural seeds.

The second part of the report applies to 555 samples of vegetable seeds which were tested for germination only. The New Hampshire seed law requires that unless each packet or other container is plainly marked "Below Standard" together with the percentage of germination, vegetable seeds must test up to the prescribed standard for that kind of seed, and that there is no tolerance from the adopted standards. In the column headed "Found" if the same was up to standard, an "S" (satisfactory) appears. The exception to this is in the case of a given sample being marked with a guarantee, which is not required if vegetable seed is up to standard; then, if the seed is found to be below the regular tolerance from that guaranteed figure, the figure found upon test followed by "†" is listed as "mis-labeled" even though it might in some cases be up to standard.

The 1953 Legislature changed paragraph V, Sec. 3, of the New Hampshire Seed Law relative to secondary noxious weeds. The new wording is given on page 4 of the law, which follows:



# STATE OF NEW HAMPSHIRE

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## CHAPTER 224, REVISED LAWS (As inserted by Chapter 54 Laws of 1943)

### AN ACT

To Regulate the Labeling, Sale and Offering or Exposing for Sale,  
of Agricultural and Vegetable Seeds.

#### **Agricultural and Vegetable Seeds**

1. **Definitions.** Terms used in this chapter shall be construed as follows:

I. The term "agricultural seeds" shall include the seeds of grass, forage, cereal and fiber crops and any other kinds of seeds commonly recognized within this state as agricultural or field seeds, and mixtures of such seeds.

II. The term "vegetable seeds" shall include the seeds of those crops which are grown in gardens or on truck farms and are generally known and sold under the name of vegetable seeds in this state.

III. The term "weed seeds" shall include the seeds of all plants generally recognized as weeds within this state, and shall include noxious weed seeds.

IV. Noxious weed seeds shall be divided into two classes, "primary noxious weed seeds" and "secondary noxious weed seeds" as herein defined; provided, that the commissioner of agriculture may add to or subtract from the list of seeds included under either definition whenever he finds that such additions or subtractions are within the respective definitions.

V. "Primary noxious weed seeds" shall include the seeds of perennial weeds such as those that reproduce and spread by underground roots or stems as well as by seed and which, when established, are highly destructive and difficult to control in this state by ordinary good cultural practice. Primary noxious weed seeds in this state are the seeds of: Canada thistle (*Cirsium arvense*), field bindweed (*Convolvulus arvensis*), and quackgrass (*Agropyron repens*).

VI. "Secondary noxious weed seeds" shall include the seeds of such weeds as are very objectionable in field, lawns, or gardens of this state, but can be controlled by good cultural practices. The secondary noxious weed seeds in this state are the seeds of: dodder (*Cuscuta* spp.) and crab grass (*Digitaria sanguinalis*).

VII. The term "labeling" includes all labels, and other written, printed, or graphic representations, in any form whatsoever, accompanying and pertaining to any seed whether in bulk or in containers, and includes invoices.



VIII. The term "advertisement" means all representations, other than those on the label, disseminated in any manner or by any means, relating to seed within the scope of this chapter.

2. **Label Requirement.** Each separate container of agricultural or vegetable seed, including seeds in small packets, which is sold, offered for sale, or exposed for sale, within this state for sowing purposes shall bear thereon or have attached thereto in a conspicuous place a plainly written or printed label or tag in the English language, giving the information as set forth in sections 3 and 4.

3. **Agricultural Seeds.** For agricultural seeds the following is required:

I. Commonly accepted name of kind, or kind and variety, of each agricultural seed component in excess of five per cent of the whole and the percentage by weight of each. Where more than one component is required to be named, the word "mixture" or "mixed" shall be associated with the name on the label.

II. Lot number or other lot identification.

III. Origin, if known, of alfalfa, red clover and field corn (except hybrid corn). If the origin is unknown, that fact shall be stated.

IV. Percentage by weight of all weed seeds, including those known as noxious weeds.

V. If present, the names of the kinds of secondary noxious-weed seeds and the rate of occurrence of each: (A) Per ounce in *Agrostis* spp., *Poa* spp., Rhodes grass, Bermuda grass, timothy, orchard grass, fescues, alsike and white clover, reed canary grass, Dallis grass, ryegrass, foxtail millet, crimson clover, *Brassica* spp., flax, *Agropyron* spp., and other agricultural seeds of similar size and weight, or mixture within this group, and

(B) Per pound in proso, Sudan grass, wheat, oats, rye, barley, buckwheat, sorghums, vetches, and other agricultural seeds of a size and weight similar to or greater than those within this group, or any mixtures within this group. All determinations of noxious-weed seeds shall be subject to tolerances and methods of determination prescribed in the rules and regulations under this chapter.

VI. Percentage by weight of agricultural seeds other than those required to be named on the label.

VII. Percentage by weight of inert matter.

VIII. For each named agricultural seed, percentage of germination, exclusive of hard seed, percentage of hard seed, if present, and the calendar month and year the test was completed to determine such percentages.

IX. Name and address of the person who labeled said seed, or who sells, offers, or exposes said seed for sale within this state.

4. **Vegetable Seeds.** For vegetable seeds, the following is required:

I. Name of kind and variety of seeds, and the calendar month and year when last tested for germination.

II. For seeds which germinate less than the standard last established by the commissioner of agriculture hereunder, and in type not

smaller than ten point size : percentage of germination exclusive of hard seed ; percentage of hard seed, if present ; and the words, "below standard."

III. Name and address of the person who labeled said seed, or who sells, offers or exposes said seed for sale within this state.

5. **Illegal Sales.** It shall be unlawful for any person to sell, offer for sale or expose for sale any agricultural or vegetable seed within this state :

I. Unless the test to determine the percentage of germination required by sections 3 and 4 shall have been completed within a nine-month period, exclusive of the calendar month in which the test was completed, immediately prior to sale, exposure for sale, or offering for sale or transportation.

II. Not labeled in accordance with the provisions hereof, or having a false or misleading labeling.

III. Pertaining to which there has been a false or misleading advertisement.

IV. Any agricultural seeds containing any primary noxious weed seeds except as may be allowed under tolerances prescribed in the rules and regulations hereunder.

6. **Prohibitions.** It shall be unlawful for any person within this state :

I. To detach, alter, deface, or destroy any label provided for herein or the rules and regulations made and promulgated hereunder, or to alter or substitute seed, in a manner that may defeat the purposes hereof.

II. To disseminate any false or misleading advertisement concerning agricultural or vegetable seed in any manner or by any means.

III. To hinder or obstruct in any way any authorized person in the performance of his duties hereunder.

IV. To fail to comply with a "stop sale" order.

7. **Exemptions.** The provisions of sections 2 to 6, inclusive, do not apply to seed or grain not intended for sowing purposes, nor to seed in storage in, or consigned to, a seed cleaning or processing establishment for cleaning or processing, provided, that any labeling or other representation which may be made with respect to the unclean seed shall be subject to the provisions hereof.

8. **Exceptions.** No person shall be subject to the penalties hereof for having sold, offered or exposed for sale in this state any agricultural or vegetable seeds, which were incorrectly labeled or represented as to kind, variety, or origin which seeds cannot be identified by examination thereof, unless he has failed to take all proper precautions to insure the identity to be that stated in accordance with rules and regulations hereunder.

9. **Duties and Authority of Commissioner of Agriculture.** The commissioner of agriculture, who may act through his authorized agents, shall have the power :

I. To sample, inspect, make analyses of, and test, agricultural and vegetable seeds transported, sold, offered or exposed for sale within

this state for sowing purposes, at such time and place and to such extent as he may deem necessary to determine whether said agricultural or vegetable seeds are in compliance with the provisions hereof, and to notify promptly the person who transported, sold, offered or exposed the seed for sale, of any violation.

II. To prescribe, and after public hearing to adopt, rules and regulations governing the methods of sampling, inspecting, analysis, tests, and examination of agricultural and vegetable seed, and the tolerances to be followed in the administration hereof, which shall be in general accord with officially prescribed practice in interstate commerce, and such other rules and regulations as may be necessary to secure the efficient enforcement hereof.

III. To enter upon any public or private premises during regular business hours in order to have access to seeds subject to this chapter and the rules and regulations promulgated hereunder.

IV. To issue written or printed "stop sale" orders which shall prohibit further sale of any lot of agricultural or vegetable seed which the commissioner has reason to believe is in violation of any of the provisions hereof until the law has been complied with or said violation otherwise legally disposed of: Provided, that no "stop sale" order shall be issued or attached to any lot of seed without first giving the owner or custodian of such seed an opportunity to comply with the law or to withdraw the seed from sale.

V. To establish and maintain or make provision for seed testing facilities, to employ qualified persons, and to incur such expenses as may be necessary to comply with these provisions.

VI. To make or provide for making purity and germination tests of seeds for farmers and dealers on request; to prescribe rules and regulations governing such testing; and to fix and collect charges for the tests made. All fees collected hereunder shall be paid over by the commissioner to the state treasurer who shall keep the same in a special fund to be used only for the purposes of this chapter.

VII. To co-operate with the United States Department of Agriculture in seed law enforcement.

10. **Seizure.** Upon the recommendation of the commissioner of agriculture or his duly authorized agents, the court of competent jurisdiction in the area in which the seed is located shall cause the seizure and subsequent denaturing, processing, or destruction to prevent the use for sowing purposes of any lot of agricultural or vegetable seed found to be unfit for sowing purposes: Provided, that in no instances shall the denaturing, processing, or destruction be ordered without first having given the claimant of said seed an opportunity to apply to said court for the release of said seed.

11. **Penalties.** Whoever violates any of the provisions of this chapter or any rule or regulation promulgated hereunder shall be fined not exceeding one hundred dollars for the first offense and not exceeding two hundred and fifty dollars for each subsequent offense. Fines collected hereunder shall be paid, by the court collecting the same, to the commissioner of agriculture and by him forwarded to the state treasurer for the use of the state.

12. **Publication.** The commissioner of agriculture shall publish, or cause to be published, the results of test and analyses of samples of agricultural and vegetable seeds, as herein provided, together with the names and addresses of the persons from whom the samples of seed were obtained. He may publish such other information as he may deem advisable concerning the value, character and use of certain seeds.

13. **Takes Effect.** This act shall take effect upon its passage.  
Approved March 10, 1943.

# RULES AND REGULATIONS

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## Sampling.

(a) In order to secure a representative sample, equal portions shall be taken from evenly distributed parts of the quantity of seed to be sampled. Access shall be had to all parts of that quantity.

(b) For free-flowing seed in bags or bulk, a probe or trier shall be used. For small free-flowing seed in bags, a probe or trier long enough to sample all portions of the bag should be used.

(c) Non-free-flowing seed, such as certain grass seed, uncleaned seed, or screenings, difficult to sample with a probe or trier, shall be sampled by thrusting the hand into the bulk and withdrawing representative portions.

(d) The portions shall be combined into a composite sample or samples.

(e) As the seed is sampled, each portion shall be examined, and whenever there appears to be a lack of uniformity, additional samples shall be taken to show such lack of uniformity as may exist.

Bulk seeds shall be sampled by inserting a long probe or thrusting the hand into the bulk as circumstances require in several uniformly distributed parts of the quantity being sampled.

Bags. (1) In quantities of five bags or less, each bag shall be sampled.

(2) In quantities of more than five bags, at least every fifth bag but not less than five bags shall be sampled. Samples shall be drawn from unopened bags except under circumstances where the identity of the seed has been preserved.

In sampling packet seeds, entire unopened packets shall be taken.

Size of sample. The following are minimum weights of samples of seed to be submitted for analysis, test, or examination:

(1) Two ounces of grass seed not otherwise mentioned, white or alsike clover, or seeds not larger than these.

(2) Five ounces of red or crimson clover, alfalfa, ryegrass, bromegrasses, millet, flax, rape, or seeds of similar size.

(3) Two pounds of cereals, vetches, or seeds of similar or larger size.

(4) Two quarts of screenings.

## Analysis.

The New Hampshire seed laboratory will be guided in making purity and germination tests by the rules and regulations prescribed under the Federal Seed Act.

## Tolerance.

Owing to the natural variation between tests, the following tolerances shall be allowed between the percentages found by analysis, test or examination and the percentages stated on the tag accompanying the seed:

For purity: Allowing "a" to represent the component being considered and "b" the difference between that percentage and 100, according to the following formula:

$$\text{Pure seed tolerance} = 0.6 + \left( 0.2 \times \frac{a \times b}{100} \right)$$

a sample of timothy guaranteed 99.20% could test as low as 98.25% and be "satisfactory."

For germination: The following tolerances are applicable:

Healthy sprouts found by test in each 100 seeds	Tolerance
96 or over .....	5
90 or over but less than 96 .....	6
80 or over but less than 90 .....	7
70 or over but less than 80 .....	8
60 or over but less than 70 .....	9
Less than 60 .....	10

Therefore, a sample of seed guaranteed 85% for germination may be as low as 77% and be "satisfactory."

For weed seeds: The law requires in the labeling of agricultural seed (1) that the percentage of all weed seeds present shall be shown on the tag, (2) that no primary noxious weed seeds shall be present in the sample, and (3) that, if present, the names of the kinds of secondary noxious weed seed and the rate of occurrence of each shall be stated: (A) Per ounce in *Agrostis* spp., *Poa* spp., *Rhodes* grass, *Bermuda* grass, timothy, orchard grass, fescues, alsike and white clover, reed canary grass, *Dallis* grass, ryegrass, foxtail millet, crimson clover, *Brassica* spp., flax, *Agropyron* spp., and other agricultural seeds of similar size and weight, or mixtures within this group, and

(B) Per pound in proso, Sudan grass, wheat, oats, rye, barley, buckwheat, sorghums, vetches, and other agricultural seeds of a size and weight similar to or greater than those within this group, or any mixtures within this group.

Certain tolerances are allowed, however, to provide for variation and unavoidable errors, but only within very narrow limits and for which there is always a standard formula for computation. Examples: (1) Timothy guaranteed only 2 per cent weed seeds will not be condemned if it has a 2.59 per cent. (2) No primary noxious weed seeds are allowed, but the presence of two such seeds in 50 grams of timothy would not be considered a violation. (3) Similarly, some slight variation from the minimum requirement for labeling secondary noxious weed seeds will be passed as satisfactory.

### Free Testing

The Seed Testing Laboratory will allow two free tests, in a given year, to any resident company or person of New Hampshire, but such seeds must be received in the laboratory during the months of October, November, December and January. This number of samples, not including mixtures, may be analyzed either for purity or for germination, or one sample for both purity and germination, free of charge. A

given seed company will be entitled to two private tests without charge, but not two from each branch store. For numbers in excess of two, a charge will be made for labor and consumable supplies only, the amount depending on the type of sample according to the following schedule:

Germination tests of all vegetable seeds, 30 cents;

Germination tests of all agricultural crop seeds and grasses, 50 cents;

Germination tests of mixtures, 50 cents for each kind of seed present;

Purity analyses of cereals, timothy and larger crop seeds and legumes, \$1.00;

Purity analyses of small grasses, \$2.00; unhulled redtop, \$2.50;

Purity analyses of mixtures, including those for lawn and pasture seeding, a charge sufficient to cover the actual cost of working the sample submitted for test, minimum charge of \$2.50.

Such private samples of seed to be tested should be drawn in such a way as to be representative of the bulk lot from which they are taken, and should be addressed to the State Seed Testing Laboratory, Durham, New Hampshire. Such private tests cannot be declared as state official tests unless drawn by a representative of the department of agriculture, as provided in Chapter 224 of the Public Laws. Fees must be paid before reports will be sent out.

The minimum weights of samples to be submitted for analyses are:

1. Two ounces of grass seed, white or alsike clover, or seeds not larger than these.

2. Five ounces of red or crimson clover, alfalfa, rye grasses, millet, rape, or seeds of similar size.

3. One pound of cereal, vetches or seeds of similar or larger size.

The minimum number of seeds of any one kind to be submitted for a germination test is 400.

### Germination Standards for Vegetable Seed.

Following are the germination standards established by the commissioner of agriculture pertaining to Section four of the act entitled Vegetable Seeds.

Artichoke .....	60	Cabbage .....	75
Asparagus, including hard seeds .....	70	Chinese cabbage .....	75
Beans, garden (varieties other than Rival, Topcrop and Logan) .....	75	Carrot .....	55
Beans, garden (varieties Rival, Topcrop and Logan) .....	70	Cauliflower .....	75
Beans, horse or broad .....	75	Celery and celeriac .....	55
Beans, lima .....	70	Chicory .....	65
Beans, runner .....	75	Citron .....	65
Beets .....	65	Collards .....	80
Broccoli .....	75	Corn .....	75
Brussels sprouts .....	70	Cress, garden .....	60
		Cress, water .....	40
		Cucumber .....	80
		Dandelion .....	45
		Eggplant .....	60

Endive .....	70	Radish .....	75
Fetticus (cornsalad) .....	70	Rhubarb .....	60
Kale .....	75	Rutabaga .....	75
Kohlrabi .....	75	Salsify .....	75
Leek .....	60	Sorrel .....	60
Lettuce .....	80	Soybean .....	75
Muskmelon .....	75	Spinach (except New Zealand) .....	60
Mustard .....	75	Spinach (New Zealand) ...	40
Okra .....	50	Squash .....	75
Onion .....	70	Swiss Chard .....	65
Parsley .....	60	Tomato .....	75
Parsnip .....	60	Tomato, husk .....	50
Peas .....	80	Turnip .....	80
Pepper .....	55	Watermelon .....	70
Pumpkin .....	75		

### Labeling.

The following labels are suggested as meeting the minimum requirements of the New Hampshire seed law.

Example for unmixed agricultural seed:

John F. Doe Company Greene, N. H.	<b>Mammoth Clover</b>		<b>Lot No. 243</b>	
	Pure seed	98.65	Germination	80%
	Crop seed	.86	Hard seeds	7
	Weeds	.38	Date of test Jan. (current year)*	
	Inert matter	.11		
	Origin Idaho			
	1 dodder per oz.			

Example for mixed agricultural seed:

John F. Doe Company Greene, N. H.	<b>Grass seed, mixed</b>		<b>Lot No. 0236</b>	
	Purity:		Germination:	
	Perennial rye grass	32.23%	92.5%	Jan. (current year)*
	Chewing rescue	18.08	85.0%	Jan. (current year)*
	Kentucky bluegrass	14.75	80.0%	Jan. (current year)*
	Canada bluegrass	15.37	58.5%	Jan. (current year)*
	Creeping bent	14.20	84.0%	Jan. (current year)*
	Crop seed	.61		
	Weed seed	2.07		
Inert matter	2.69			

5 Crabgrass per oz.



Example for vegetable seed:

(Up to standard)

New York Lettuce  
John Smith, Dale Ill.  
Date of germination test: Feb. 7 (cur. yr.)\*

(For vegetable seed  
which germinates  
less than standard)

New York Lettuce  
John Smith, Dale Ill.  
Date of germination test: Feb. 7 (cur. yr.)\*

Germination 75%  
BELOW STANDARD

The law states that "each separate container of agricultural or vegetable seed, including seeds in small packets, shall be labeled"; but if a dealer has bulk lots of seeds exposed for sale and these bulk lots are properly labeled, he shall not be required to copy the information from the label on to each individual bag in which he delivers small lots of this bulk seed over the counter to customers.

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\* "Current year in this sample labeling means the month and year of the last germination test which must be stated and be within nine (9) months of the date the seeds are offered or exposed for sale. See par. 5 Section 1 of the law itself."

## New Hampshire Experiment Station AGRICULTURAL SEED INSPECTION, 1953

Name and Address of Wholesaler Name and Address of Dealer or Place Collected Kind of Seed		Sample No.	Date Tested*	Pure Seed (Note)	Other Crop Seed (Note)	Weed Seed (Note)	Inert Matter (Note)	Germi- nation (Note)	Remarks
<b>ALLEN, STERLING &amp; LOTHROP, Portland, Me.</b> Arthur L. Potter, Conway									
Alsike clover, 4493 .....		4328	S	L 99.00 F S	.69 S	.10 S	.21 S	90 79	Germination below guarantee.
Buckwheat, Japanese, 3353 .....		4330	S	L 99.24 F S	.00 S	.05 S	.71 S	86 S	
Ladino clover, B-2550 .....		4329	S	L 99.51 F S	.43 S	.03 S	.03 S	90 S	
Timothy, 4339 .....		4327	S	L 99.65 F S	.15 S	.05 S	.15 S	85 S	
<b>BRECK'S, Boston, Mass.</b> Cavis Bros., Bristol									
Timothy, 65-48 .....		4250	S	L 99.75 F S	.05 S	.02 S	.18 S	84 S	
<b>ARTHUR R. CONE, INC, Buffalo, N. Y.</b> General Mills, Inc., Exeter									
Alfalfa, 28551 .....		4012	S	L 99.54 F S	.30 S	.08 S	.08 S	73 S	
Alsike clover, 25-579 .....		4008	S	L 99.18 F S	.34 S	.28 S	.20 S	78 S	
Hungarian millet, 90-250 .....		4010	S	L 98.26 F S	.06 S	1.00 S	.08 S	52 S	
Red clover, Medium, 15 x 912 .....		4009	S	L 99.50 F S	. . S	.10 S	.40 S	92 S	
Sweet Sudan Grass, 92-64 .....		4007	S	L 97.22 F S	1.07 S	.05 S	1.66 S	81 S	
Timothy, 10-127 .....		4011	S	L 99.50 F S	.25 S	.12 S	.13 S	80 S	
<b>General Mills, Inc., Nashua</b> Rye, Spring, 56 x 270 .....		4049	S	L 99.28 F S	.41 S	Trace S	.31 S	87 S	
<b>F. B. Spaulding Co., Lancaster</b> Corn, Arco 85 Hybrid, 84 x 438 .....		4355	S	L 99.50 F S	. . S	. . S	.50 S	90 S	
Oats, Beaver, 50-555 .....		4354	S	L 99.65 F S	.05 S	.01 S	.29 S	90 S	
Red clover, Medium, 15 x 967 .....		4356	S	L 99.20 F S	.38 S	.34 S	.08 S	85.75 S	

\* As stated on accompanying tag. "S" in this column indicates that date of test was in compliance with law. Figures or "None" indicate violation. Note: L=Label; F=Found. "S" in the Found line indicates that the sample was satisfactory in relation to the guarantee. Figures indicate violation.

Name and Address of Wholesaler  
Name and Address of Dealer  
or Place Collected  
Kind of Seed

Sample No.	Date Tested*	Pure Seed (Note)	Other Crop Seed (Note)	Weed Seed (Note)	Inert Matter (Note)	Germi- nation (Note)	Remarks
<b>AETHUR R. CONE, INC., Buffalo, N. Y. (con- tinued)</b>							
<b>Sunshine Feed Store, Manchester</b>							
4062	S	L 99.89	..	.04	.07	95	
4061	S	L 98.33	.86	.69	.12	79	
4057	S	L 99.50	..	..	..	90	
4059	S	L 99.50	..	..	..	82	
4060	S	L 99.67	.08	.02	.23	86	
4058	S	L 99.50	..	..	..	90	
<b>Sunshine Feed Stores, Inc., West Lebanon</b>							
4106	S	L 99.50	..	..	.50	90	
4107	S	L 99.77	.10	.03	.10	80	
4109	S	L 99.90	.05	.01	.04	75.5	
4108	S	L 99.80	.15	.05	..	93.5	
<b>H. B. DAVIS SEED CO., Albany, N. Y.</b>							
<b>Holbrook Grocery Co., Keene</b>							
<b>Brome Grass, Domestic, 97-21</b>							
4199	S	L 98.32	..	.02	1.66	85	
4203	S	L 99.80	..	.02	.18	85	
4200	S	L 99.00	..	..	1.00	93	
4201	S	L 99.00	..	..	1.00	93	
4204	S	L 99.50	..	..	.50	90	
4198	S	L 98.71	.01	1.14	.14	80	
4205	S	L 99.25	.55	.10	.10	85	
4206	S	L 99.42	.26	.16	.16	74	
<b>THE ALBERT DICKINSON CO., Chicago, Ill.</b>							
<b>Holbrook Grocery Co., Keene</b>							
<b>Alfalfa, Grimm, 27198</b>							

Mixture, Evergreen Lawn Seed, 36312	4207	S	L F	S 38.25	.60	S	8.45	S	80
Kentucky bluegrass			L	29.40					94
Common Ryegrass			F	18.40					90
Redtop			F	4.90					74
White clover			F	99.70	.10	S	.15	S	90
Timothy 66505	4202	S	L F	99.70 S	.05	S	.15	S	90
Merrimack Farmers' Exch., Inc., Franklin Timothy, 66483	3860	S	L F	99.60 S	.05	S	.30	S	92
Merrimack Farmers' Exch., Inc., Nashua Vetch, Hairy, 9919	3781	S	L F	99.21 S	.30	S	.48	S	78
<b>EASTERN STATES FARMERS' EXCH., Inc., West Springfield, Mass.</b>									
Eastern States Farmers' Exch., Inc., Concord Alfalfa, Ranger, 649	3767	S	L F	99.50 S	.05	S	.40	S	77
Birdsfoot trefoil, 1271	3764	S	L	98.43	1.10	S	.24	S	71
Brome, Smooth, Lincoln type	3765	S	L	89.10	.13	S	10.50	S	75
Hungarian millet, 1248	3760	S	L	99.00	.10	S	.70	S	85
Japanese millet, 1204	3758	S	L	99.00	.05	S	.35	S	80
Ladino clover, 761	3759	S	L	99.50	.05	S	.40	S	65
Redtop, Fancy Solid, 614	3762	S	L	97.00	.25	S	2.60	S	90
Ryegrass, Domestic, 626	3761	S	L	99.00	.25	S	.50	S	90
Sudan Grass, 1952	3763	S	L	98.50	.25	S	1.05	S	80
Timothy, 1275	3766	S	L	99.50	.13	S	.33	S	86
<b>Eastern States Farmers' Exch., Inc., Woodsville</b>									
Alfalfa, Narragansett, 788	4228	S	L	99.50	.03	S	.44	S	55
Corn, Ohio Hybrid M-15, 1238	4231	S	L	99.50	.50	S	.50	S	90
Corn, Wis. 416 AA Hybrid, 1284	4234	S	L	99.50	.50	S	.50	S	90

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Name and Address of Wholesaler Name and Address of Dealer or Place Collected Kind of Seed	Sample No.	Date Tested*	Pure Seed (Note)	Other Crop Seed (Note)	Weed Seed (Note)	Inert Matter (Note)	Germi- nation (Note)	Remarks
<b>EASTERN STATES FARMERS' EXCH., Inc.,</b> West Springfield, Mass. (continued)								
<b>Eastern States Farmers' Exch., Inc.,</b> Woodsville (continued)								
Corn, Wis. 279 Hybrid, 1235 .....	4235	S	L 99.50 F S	S	.50 S	.13	90 S	
Mixture, Hay & Pasture No. 3, 1232 .....	4229	S	L 30.00 F S	.09	.22	.13	65 S	
Red clover, Kenland .....			L 30.00 F S				75 S	
Ladino clover .....			L 10.00 F S				52 S	
Alfalfa .....			L 30.00 F S				86 S	
Timothy .....			L 30.00 F S					
Mixture, Hay & Pasture No. 5, 1240 .....	4230	S	L 45.00 F S	.14	.13	.32		
Red clover, Kenland .....			L 15.00 F S				64 S	
Ladino clover .....			L 40.00 F S				72 S	
Timothy .....			L 99.50 F S				86 S	
Red clover, Kenland .....	4226	S	L 99.50 F S	.10	.10	.30	74 S	
Red clover, Penn Scott, 785 .....	4227	S	L 99.50 F S	.04	.24	.22	67 S	
Red clover, Medium, N. Y., Mich., Ohio, 1246	4232	S	L 99.45 F S	.22	.23	.08	80 S	
Vetch, Hairy, 1279 .....	4233	S	L 99.50 F S	.20	.05	.23	70 S	
<b>EDGEWOOD FARMS, INC., Ridgefield, N. J.</b> W. T. Grant Co., Rochester								
Lawn Clover Seed, White Dutch Clover ...	3684	S	L 97.00 F S	1.00	.49	1.51	60 S	
<b>FARMERS' FEED &amp; SUPPLY CO., Berlin</b> Farmers' Feed & Supply Co., Berlin								
Alsike clover, 21435 .....	4339	S	L 98.45 F S	1.20	.10	.25	87 S	
Red clover, Medium, 50638 .....	4340	S	L 99.76 F S	.12	.02	.10	72 S	

**G. L. F. COOPERATIVE EXCHANGE,**

3705	S	L 99.90	Trace	Trace	.10	90
		F S			S	
3709	S	L 99.30	.30	.25	.15	90
		F S			S	
3707	S	L 99.25	.04	.03	.08	77
		F 90.25			8.71	S
3706	S	L 99.80	Trace	.05	.15	80
		F S			S	
3708	S	L 99.30	.63	Trace	.07	90
		F S			S	

Purity below guarantee; inert matter excessive.

**CHAS. C. HART SEED CO., Wethersfield, Conn.**  
**Kilnry Hardware, Claremont**

4306	S	L 99.12	.10	.08	.70	85
		F S			S	
3683	S	L 99.30	.30	.05	.35	90
		F S			S	

No lot No. given.  
 No lot No. given.

**Sunshine Feed Store, Keene**

3862	S	L 99.78	.02	.08	.12	84
		F S			S	
3864	S	L 98.00	1.35	.25	.40	78
		F S			S	
3861	S	L 99.45	.04	.01	.50	81
		F S			S	
3863	S	L 99.80	Trace	.05	.15	80
		F S			S	

**Merrimack Farmers' Exch., Inc., Goffstown**

4296	S	L 99.90			.10	71
		F S			S	
4294	S	L 99.00			1.00	86
		F S			S	
4295	S	L 99.90			.10	90
		F S			S	
4293	S	L 98.97	.12			78
		F S			.49	S

No lot No. given.  
 Purity statement incomplete.

**Merrimack Farmers' Exch., Inc., Keene**

3831	S	L 86.70	.10	.50	12.70	80
		F S			S	
3829	S	L 98.49	.37	.16	.98	72
		F S			S	
3830	S	L 99.70	.05	.15	.10	84
		F S			S	

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Name and Address of Wholesaler  
Name and Address of Dealer  
or Place Collected  
Kind of Seed

Sample No.	Date Tested*	Pure Seed	Other Crop Seed	Weed Seed	Inert Matter	Germination	Remarks
		(Note)	(Note)	(Note)	(Note)	(Note)	
<b>MERRIMACK FARMERS' EXCH., INC.,</b>							
<b>Concord (continued)</b>							
<b>Merrimack Farmers' Exch., Inc., Nashua</b>							
		L 99.35	.05	.35	.25	70	
3780	S	F	S	S	S	S	
<b>Alfalfa, Grimm, NB 376</b>							
3776	S	L 99.00	.	.	1.00	82	
<b>Corn, Westbranch Sweepstakes, 5515</b>							
3779	S	L 99.50	.	.	.50	86	
<b>Corn, Cornell 29-3, 5310</b>							
3782	S	L 99.50	.	.	.50	90	
<b>Corn, Wisc. 240 Hybrid, 3961</b>							
3777	S	L 98.70	.26	.04	1.00	90	
<b>Golden millet, Z 082291</b>							
3778	S	L 99.80	Trace	.05	.13	80	
<b>Ladino clover, Certified, PB 2078</b>							
3859	S	L 98.00	1.80	.15	.05	91	
<b>White Dutch clover, Z 26814</b>							
4053	S	L 99.68	.10	.10	.12	93	Germination below guarantee.
<b>Merrimack Farmers' Exch., Inc., Peterboro</b>							
<b>Alfalfa, Grimm, 27148</b>							
4051	S	L 98.00	1.35	.25	.40	78	Germination below guarantee.
<b>Alsike clover, ZUB 367</b>							
4054	S	L 99.45	.04	.01	.50	81	
<b>Canada field peas, 2085647</b>							
4055	S	L 99.50	.	.	.50	86	
<b>Corn, Cornell 29-3, 5310</b>							
4050	S	L 99.80	.	.05	.15	80	
<b>Ladino clover, Certified, PB 2078</b>							
4052	S	L 99.30	.03	.	.07	90	
<b>White Dutch clover, N 1220-V 512</b>							
3968	S	L 99.25	.04	.03	.68	77	Both purity and germination below guarantee.
<b>Merrimack Farmers' Exch., Inc., Pittsfield</b>							
<b>Brome Grass, Smooth, NB 791</b>							
3964	S	L 98.62	.	1.32	.06	63	
<b>Japanese millet, 5151</b>							
3966	S	L 86.70	.10	.50	12.70	80	
<b>Kentucky bluegrass, 32785</b>							
3965	S	L	.38	.30	8.17	S	
<b>Lawn Seed, Lot No. 100</b>							
		L 8.90	S	S	S	89	
<b>Poa trivialis</b>							
		L 34.10	S	S	S	80	
<b>Kentucky bluegrass</b>							
		L 9.95	S	S	S	82	
<b>Timothy</b>							
		L	S	S	S	S	

White Dutch clover .....	L	7.80								87
	F	S								S
Red fescue .....	L	9.40								89
	F	S								S
Common ryegrass .....	L	11.80								93
	F	S								S
Redtop .....	L	9.20								90
	F	S								S
Ryegrass, Common, 038473 .....	S	99.26	.02	.36						95
	F	S								S
Red clover, Medium, 24142 .....	S	99.48	.42	.06	.04					84
	F	S								S
<b>PARK &amp; POLLARD CO., Buffalo, N. Y.</b>										
Farmers' Feed & Supply Co., Berlin	L	99.70	.05	.10						90
Timothy, 66277-79 .....	F	S								S
<b>THE PAGE SEED CO., Greene, N. Y.</b>										
Folansbee Feed Store, Lebanon	L	99.95	.5	.05						98
Corn, Cornell M-4, 211359-442 .....	F	S								S
	L	99.00	.5	1.00						90
Corn, Smoky Dent, 2001 .....	F	S								S
	L	99.53	.03	.34	.10					90
Red clover, Medium, L 98253 .....	F	S								S
<b>O. M. SCOTT &amp; SONS CO., Marysville, Ohio</b>										
Morean's Dept. Hardware Store, Manchester	L	98.00	.5	.09	1.91					80
Bentgrass, Colonial, No. 17, 90901 .....	F	S								S
Lawn Seed Mixture, 91501 .....	L		.5	.09	3.49					S
	F	S								S
<b>Kentucky bluegrass .....</b>										
	L	69.89								75
	F	S								S
Poa trivialis .....	L	16.75								75
	F	S								S
Highland bentgrass .....	L	9.78								80
	F	S								S
White clover, 1-731008 .....	L	98.00	.5	.09	1.91					70
	F	S								S
<b>SEARS, ROEBUCK &amp; CO., Chicago, Ill.</b>										
Sears, Roebuck & Co., Concord	L	70.16	.12	.08	2.20					80
Grass Seed, Cross Country, A 83 .....	F	S								S
<b>Kentucky bluegrass .....</b>										
	L	70.16								80
	F	S								S
Redtop .....	L	21.50								90
Highland bent .....	L	5.94								90
Agrostis spp. (Redtop & Highland Bent) ..	F	S								S

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Name and Address of Wholesaler Name and Address of Dealer or Place Collected Kind of Seed		Sample No.	Date Tested*	Pure Seed	Other Crop Seed	Seed Weight (Note)	Inert Matter (Note)	Germi- nation (Note)	Remarks
F. B. SPAULDING CO., Lancaster F. B. Spaulding Co., Lancaster Alsike clover, 25604		4351	S	L 98.33 F	.86 %	.69 S	.12 S	79 S	
STANFORD SEED CO., Buffalo, N. Y. Chase Grain Mill, Plymouth Corn, Stanford Slobred, HS 3923		4246	S	L 99.50 F	.5 S	.5 S	.50 S	95 S	
Corn, Yellow Sweepstakes, 3895		4247	S	L 99.00 F	.5 S	.5 S	1.00 S	90 S	
Red clover, Medium, 3680		4248	S	L 99.00 F	.45 S	.15 S	.40 S	85 S	
Colebrook Feed Co., Colebrook Barley, Moore, 680W, 5685		4331	S	L 99.00 F	.63 S	.05 S	.32 S	90 S	
Brome Grass, Domestic, 5664		4336	S	L 92.00 F	.5 S	.5 S	8.00 S	80 S	
Japanese millet, 5151		4335	S	L 98.62 F	.5 S	1.32 S	.06 S	80 S	
Timothy, 5546		4334	S	L 99.75 F	.03 S	.09 S	.13 S	90 S	
Dover Grain Co., Dover Alfalfa, Grimm, 3778		4164	S	L 99.50 F	.15 S	.10 S	.25 S	80 S	
Corn, Yellow Sweepstakes, 3895		4168	S	L 99.00 F	1.00 S	.5 S	.5 S	90 S	
Corn, Leaming, 3755		4169	S	L 99.00 F	1.00 S	.5 S	.5 S	85 S	
Corn, Cornell 2-93, A3LFI		4170	S	L 99.76 F	.5 S	.5 S	.24 S	98 S	
Hungarian millet, 3332		4165	S	L 99.90 F	.5 S	.08 S	.02 S	90 S	
Japanese millet, 1206		4166	S	L 98.32 F	.5 S	1.62 S	.06 S	85 S	
Timothy, 5421		4167	S	L 99.65 F	.04 S	.18 S	.13 S	90 S	
Folansbee Feed Store, Lebanon Oats, Clinton Affidavit, 1105		4128	S	L 99.50 F	.10 S	.03 S	.37 S	90 S	
Londonderry Grain Co., Londonderry Alfalfa, Grimm, 3778		4307	S	L 99.50 F	.15 S	.10 S	.25 S	80 S	
Japanese millet, 1206		4308	S	L 98.32 F	.5 S	1.62 S	.06 S	85 S	Germination below guarantee.

<b>Meredith Grain Co., Meredith</b>												
Eye, Winter, 5727	4273	S	L	98.87	.05	.05	1.09	85				
<b>Merrimack Farmers' Exch., Inc., Pittsfield</b>												
Hungarian millet, 3332	3970	S	L	99.90	.08	.08	.02	90				
<b>WHITNEY SEED CO. Buffalo, N. Y.</b>												
<b>Checkerboard Feed Store, Concord</b>												
Brome Grass, Domestic, 3806	4056	S	L	89.38	.14	.53	9.95	75				
Corn, Funk's Hybrid, 910	3910	S	L	99.50	.08	.50	.50	90				
Hungarian millet, 48539	3908	S	L	99.78	.08	.06	.08	80				
Japanese millet, 46574	3913	S	L	99.52	.08	.20	.27	85				
Redtop, 40536	3912	S	L	93.60	1.00	.20	5.20	85	Germination below guarantee.			
Timothy, 1292	3911	S	L	99.65	.05	.22	.10	90				
<b>Derby's Dept. Store, Peterboro</b>												
Grass Seed, Shady Spot Special	4070	S	L		.08	.45	4.35	80	Germination of <i>Poa trivialis</i> below guarantee.			
<i>Poa trivialis</i>			L					58.5				
Kentucky bluegrass			F	21.85				70				
Red fescue			L	9.60				80				
Timothy			L	14.25				75				
Domestic ryegrass			L	14.85				85				
<b>Farmers' Feed &amp; Supply Co., Berlin</b>												
Redtop, 40536	4341	S	L	93.60	1.00	.20	5.20	85				
<b>Farmers' Feed &amp; Supply Co., Colebrook</b>												
Alfalfa, Certified Janger, 2188	4359	S	L	99.74	.02	.02	.22	85				
Barley, 6-row, 80561	4364	S	L	99.01	.76	.01	.22	81	Germination below guarantee.			
Corn, Cornell 29-3, 71332	4357	S	L	99.50	.08	.50	.50	90				
Corn, Wisc. 240, Maine B Hybrid, 71321	4358	S	L	99.50	.08	.50	.50	90				
Corn, Early August, 70655	4362	S	L	99.50	.08	.50	.50	85				

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Name and Address of Wholesaler  
Name and Address of Dealer  
or Place Collected  
Kind of Seed

Sample No.	Date Tested*	Pure Seed	Other Crop Seed	Seed	Inert Matter	Germination	Remarks
		(Note)	(Note)	(Note)	(Note)	(Note)	
<b>WHITNEY SEED CO., Buffalo, N. Y. (continued)</b>							
Corn, Minn. 13, 70660 .....	S	L 99.50	..	..	.50	82	
		F	..	..	..	..	
Corn, Funk's C 7-20, C-29 .....	S	L 99.75	..	..	.25	90	
		F	..	..	..	..	
Ladino clover, 56 L 30 .....	S	L 99.46	.10	..	.14	65	
		F	..	..	..	..	
Reed canary grass, 3920 .....	S	L 99.40	..	..	.05	70	Germination below guarantee.
		F	..	..	..	..	
<b>Moreau's Dept. Hardware Store, Manchester</b>							
White clover, 2153 S .....	S	L 97.00	1.00	..	.30	80	
		F	..	..	..	..	
<b>Monlton &amp; Goodwin, Portsmouth</b>							
Ailsike clover, 1562 .....	S	L 98.30	1.50	..	.15	.05	75
		F	..	..	..	..	
Buckwheat, 8181 .....	S	L 98.82	.32	..	.14	.62	90
		F	..	..	..	..	
Oats, Clinton Certified No. 11, 82761 .....	S	L 99.78	.01	..	.01	.20	94
		F	..	..	..	..	
Red clover, Medium, 50647 .....	S	L 99.68	.12	..	.02	.18	87
		F	..	..	..	..	
Redtop, 40536 .....	S	L 93.60	1.00	..	.20	52.9	85
		F	..	..	..	..	
Ryegrass, Perennial, 4323 .....	S	L 99.60	.02	..	.08	.30	90
		F	..	..	..	..	
<b>The George Pritchard Co., Dover</b>							
Ailsike clover, 1553 .....	S	L 98.40	1.30	..	.05	.25	63
		F	..	..	..	..	
Buckwheat, Japanese, 8181 .....	S	L 98.82	.32	..	.14	.62	90
		F	..	..	..	..	
Golden millet, 4980 .....	S	L 99.02	.22	..	.02	.74	80
		F	..	..	..	..	
Redtop, 40536 .....	S	L 93.60	1.00	..	.20	5.20	85
		F	..	..	..	..	
Timothy, 1297 .....	S	L 99.60	.15	..	.10	.15	90
		F	..	..	..	..	
<b>S. D. WOODRUFF &amp; SONS, INC., Orange, Conn.</b>							
Westboro Hardware, West Lebanon							
White Dutch clover, Extra Fancy, 25373 ..	S	L 99.35	.45	..	.15	.05	85
		F	..	..	..	..	

It is presumed that the following samples of seed were carried over by the dealer from the previous season; hence, the name of the wholesaler is omitted.

<b>Barnett's General Store, Colebrook</b>									
Corn, Minn. 13, 70660 .....	4367	3/1952	L 99.50	\$	.05	\$	90	\$	Not tested within 9 months.
			F						
<b>Checkerboard Feed Store, Concord</b>									
Alfalfa, Grimm, 09332 .....	3909	5/1952	L 99.74	\$	.08	\$	89	\$	Not tested within 9 months.
			F				75		Germination below guarantee.

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# New Hampshire Experiment Station

## VEGETABLE SEED INSPECTION, 1953

Name and Address of Wholesaler Name and Address of Dealer or Place Collected Kind of Seed	Sample No.	Date Tested*	Germination		
			Found	Guaran- teed**	N. H. Standard
(Note)					
<b>ALLEN, STERLING &amp; LOTHROP, Portland, Me.</b>					
<b>Barnett's General Store, Colebrook</b>					
Beet, Detroit Dark Red .....	4368	S	S	70	65
Cucumber, Straight Eight .....	4372	S	S	50	80
Pumpkin, Small Sugar .....	4371	S	S	89	75
Rutabaga, American Purple Top .....	4366	S	S	83	75
Squash, Golden Hubbard .....	4369	S	S	66	75
Swiss Chard, Lucullus .....	4370	S	S	80	65
<b>Carroll County Hardware, North Conway</b>					
Beans, Low's Champion .....	4374	S	S	90	75
Beans, Golden Wax .....	4376	S	S	85	75
Beans, Soldier .....	4378	S	S	90	75
Corn, Golden Sunshine .....	4375	S	S	90	75
Peas, Gradus .....	4373	S	S	87	80
Peas, Improved Tall Telephone .....	4377	S	80†	90	80
<b>ASSOCIATED SEED GROWERS, INC., Cambridge, N. Y.</b>					
<b>Northwood Hardware, Northwood</b>					
Beans, Kentucky Wonder .....	4262	S	S	95	75
Corn, Golden Cross Bantam .....	4260	S	S	91	75
Peas, Telephone .....	4261	S	S	85	80
Peas, Laxtonian Progress .....	4263	S	S	85	80
<b>W. E. AUBUCHON CO., Inc., Fitchburg, Mass.</b>					
<b>W. E. Aubuchon Co., Inc., Derry</b>					
Beans, Pencil Pod Black Wax .....	3774	S	S	90	75
Corn, Golden Bantam .....	3773	S	S	90	75
Peas, American Wonder .....	3772	S	S	..	80
Peas, Improved Telephone .....	3775	S	S	90	80
<b>W. E. Aubuchon Co., Inc., Milford</b>					
Beans, Improved Golden Wax .....	3887	S	S	..	75
Beans, Black Wax .....	3889	S	S	..	75
Corn, Golden Bantam .....	3888	S	S	..	75
<b>BRECK'S, Boston, Mass.</b>					
<b>Borcher's Hardware, Salem Depot</b>					
Endive, Full Heart Batavian .....	3802	S	S	70	70
Lettuce, New York Iceberg type .....	3800	S	S	80	80
Rutabaga, American Purple Top .....	3801	S	S	75	75
Tomato, Jubilee .....	3803	S	S	75	75
<b>Derby's Dept. Store, Peterboro</b>					
Carrot, Imperator .....	4072	S	S	55	55
Parsley, Champion Moss Curled .....	4071	S	S	60	60
<b>Follansbee's Feed Store, Lebanon</b>					
Muskmelon, Bender's Surprise .....	4023	S	S	75	75
Onion, Southport White Globe .....	4025	S	S	70	70
<b>Fox Hardware, Penacook</b>					
Carrot, Chantenay .....	3818	S	S	55	55
Radish, Long Icicle .....	3815	S	S	75	75
Squash, Giant Summer Crookneck .....	3817	S	S	75	75
<b>Gardner, Inc., Concord</b>					
Lettuce, Salad Bowl .....	4317	S	S	..	80
Celeriac, Large Prague .....	4318	S	S	..	55
<b>Hardware House, Durham</b>					
Broccoli, Italian .....	4186	S	S	75	75
Carrot, Danvers Half Long .....	4183	S	S	55	55
Cucumber, Boston Pickling .....	4189	S	S	80	80

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\*\* Sometimes stated on label but is not required if vegetable seed is up to standard.

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			Found	Guaran- teed**	N. H. Standard
(Note)					
<b>BRECK'S, Boston, Mass. (continued)</b>					
<b>Hardware House, Durham (continued)</b>					
Parsnip, Hollow Crown .....	4188	S	S	60	60
Radish, French Breakfast .....	4185	S	S	75	75
Tomato, Certified Marglobe .....	4184	S	S	75	75
Watermelon, White Mountain .....	4187	None	S	..	70
<b>C. M. Hildreth Hardware, Lebanon</b>					
Beans, Black Wax .....	4116	S	S	80	75
Beet, Detroit Dark Red .....	4117	S	S	90	65
Corn, Spancross Hybrid .....	4119	S	S	90	75
Corn, Golden Sunshine .....	4120	S	S	90	75
Peas, Dwarf Telephone .....	4118	S	S	85	80
<b>Keene Hardware, Keene</b>					
Endive, Green Curled, 5938 .....	4391	S	S	70	70
Kohl Rabi, Early White Vienna, 5956 .....	4392	S	S	..	75
Lettuce, Oak Leaf, 6132 .....	4390	S	71	80	80
<b>Martin's Hardware, Newport</b>					
Beans, Pencil Pod Black Wax .....	4122	S	S	75	75
Dandelion, 5454 .....	4121	S	S	70	45
Lettuce, Bibb .....	4123	S	S	80	80
Radish, Early Scarlet Globe .....	4124	S	S	75	75
<b>H. P. Maxfield, Pittsfield</b>					
Cauliflower, White Bouquet, 5502 .....	3997	S	S	..	75
Celery, Giant Pascal, 5642 .....	3993	S	S	..	55
Cucumber, Improved Long Green, 5866 .....	3992	S	S	80	80
Lettuce, White Paris Cos .....	3994	S	S	..	80
Parsnip, Hollow Crown, 6521 .....	3995	S	S	..	60
Pepper, Large Bell, 6456 .....	3996	S	S	..	55
<b>Rand Hardware, Plymouth</b>					
Beans, Dwarf Top Notch Golden Wax .....	4210	S	S	85	75
Beans, Kentucky Wonder Pole .....	4212	S	S	85	75
Beans, Vermont Cranberry .....	4213	S	S	85	75
Beans, Pencil Pod Black Wax .....	4214	S	S	80	75
Beet, Detroit Dark Red .....	4218	S	S	90	65
Corn, Golden Sunshine .....	4216	S	S	90	75
Corn, Golden Bantam .....	4217	S	S	90	75
Peas, World's Record .....	4211	S	S	90	80
Peas, Tall Telephone .....	4215	S	S	90	80
<b>BURNHAM &amp; MORRILL CO., Portland, Maine ..</b>					
<b>Burnham &amp; Morrill Co., Pittsfield</b>					
Corn, Dearborn Dingo .....	4274	S	S	91	75
Corn, Seneca Golden .....	4275	S	S	85	75
Corn, Stearns Bros. .....	4276	S	S	85	75
<b>W. ATLEE BURPEE, Philadelphia, Pa.</b>					
<b>Milligan &amp; Currier, Manchester</b>					
Beans, Burpee's Stringless Green Pod .....	3877	S	S	75	75
Onion, Southport Yellow Globe .....	3879	S	S	75	70
Turnip, Purple Top White Globe .....	3878	S	S	80	80
Watermelon, Dixie Queen .....	3876	S	S	75	70
<b>New Hampshire Stores, Inc., Manchester</b>					
Beet, Crosby's Egyptian .....	4143	S	S	75	65
Cabbage, Danish Roundhead .....	4147	S	S	80	75
Carrot, Goldinart .....	4142	S	S	65	55
Celery, Burpee's Fordhook .....	4144	S	S	65	55
Corn, Golden Cross Bantam .....	4133	S	S	80	75
Corn, Sweet Marcross .....	4140	S	S	80	75
Peas, Burpena Early Dwarf .....	4141	S	S	80	80
Pepper, Merrimack Wonder .....	4146	None	S	..	55
Tomato, Valiant, Certified .....	4145	None	S	..	75
Tomato, Victor .....	4148	None	S	..	75

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			(Note)		
<b>NEW HAMPSHIRE STORES, INC.,</b>					
Manchester (continued)					
<b>Suncook Hardware, Suncook</b>					
Beans, Pencil Pod Black Wax .....	4032	S	S	75	75
Carrot, Chantenay .....	4029	S	S	65	55
Corn, Golden Cross Bantam .....	4031	S	S	80	75
Endive, Broad Leaved Batavian .....	4028	S	S	80	70
Lettuce, Salad Bowl .....	4030	S	S	80	80
<b>COMSTOCK, FERRE &amp; CO., Wethersfield, Conn.</b>					
Hammar Hardware, Nashua					
Beans, Dwarf Horticultural .....	4039	S	S	90	75
Parsnip, Hollow Crown .....	4037	S	S	84	60
Peas, Blue Bantam .....	4038	S	S	90	80
Squash, Winter .....	4040	S	S	90	75
<b>ARTHUR R. CONE, INC., Buffalo, N. Y.</b>					
Follansbee's I. G. A. Store, Bristol					
Beans, Pencil Pod Black Wax .....	4196	S	S	85	75
Beet, Detroit Dark Red .....	4191	S	S	85	65
Corn, Improved Golden Bantam .....	4192	S	S	85	75
Peas, World's Record .....	4193	S	S	85	80
Peas, Dwarf Telephone .....	4194	S	S	85	80
Peas, Thomas Laxton .....	4197	S	S	85	80
Squash, Green Delicious .....	4195	S	76†	85	75
<b>THE COUNTY STORES, INC., Milford</b>					
The County Stores, Inc., Milford					
Beans, Pole Horticultural .....	3982	S	S	85	75
Beet, Detroit Dark Red .....	3976	S	S	75	65
Beet, Early Wonder .....	3986	S	S	75	65
Corn, Hybrid Sweet .....	3983	S	S	80	75
Cucumber, Fordhook Pickling .....	3985	S	S	..	80
Lettuce, Oak Leaf .....	3979	S	S	..	80
Lima beans, Pole .....	3981	S	S	75	70
Lima beans, Fordhook bush .....	3984	S	S	75	70
New Zealand Spinach .....	3987	S	S	..	40
Peas, Early Wrinkled .....	3978	S	S	85	80
Squash, Butternut .....	3977	S	S	80	75
Squash, Blue Hubbard .....	3980	S	S	80	75
<b>CROSSMAN SEED CORP., East Rochester, N. Y.</b>					
Montgomery Ward Co., Claremont					
Asparagus, Mary Washington .....	4091	S	S	75	70
Corn, Marcross Hybrid, C6 x C13 .....	4090	S	S	85	75
Cucumber, Improved Long Green .....	4088	S	S	85	80
Lettuce, Imperial No. 44 .....	4085	S	S	85	80
Parsnip, Hollow Crown .....	4086	S	S	70	60
Radish, Long Black Spanish .....	4089	S	S	80	75
Radish, Early Scarlet Globe .....	4093	S	S	85	75
Squash, Blue Hubbard .....	4094	S	S	85	75
Swiss Chard, Fordhook Giant .....	4087	S	S	..	65
Turnip, Purple Top White Globe .....	4092	S	S	80	80
<b>EASTERN STATES FARMERS' EXCHANGE, INC.,</b>					
West Springfield, Mass.					
Eastern States Farmers' Exchange, Inc., Concord					
Cucumber, Ohio MR17, V 40 404 .....	3854	S	S	90	80
Cucumber, Straight Eight, V 854A 412 .....	3858	S	S	80	80
Kale, Blue Scotch, V 858 483 .....	3856	S	S	75	75
Lettuce, Pennlake, 781 518 .....	3855	S	S	85	80
Lettuce, Black Seeded Simpson, 881 544 .....	3857	S	S	90	80
Eastern States Farmers' Exchange, Inc., Dover					
Beet, Perfected Detroit, V 780 146 .....	3943	S	S	80	65
Broccoli, Early One, 564 202 .....	3938	S	S	85	75
Cabbage, Penn State Ballhead, 721 263 .....	3937	S	S	80	75
Carrot, Chantenay, V 991 326 .....	3939	S	S	80	55
Cucumber, Marketor, V 855-2 414 .....	3936	S	S	90	80
Cucumber, A & C Special, V 680 416 .....	3940	S	S	90	80

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			(Note)		
<b>EASTERN STATES FARMERS, EXCHANGE, INC.,</b>					
West Springfield, Mass. (continued)					
<b>Eastern States Farmers' Exchange, Inc.,</b>					
<b>Dover (continued)</b>					
Parsnip, Improved Hollow Crown, V 948 647 ..	3941	S	S	90	60
Popcorn, Popinjay, V 485-1 350 .....	3942	S	S	85	..
<b>Eastern States Farmers' Exchange, Inc.,</b>					
<b>Manchester</b>					
Cabbage, Wisconsin Ballhead, 451 269 .....	3734	S	S	90	75
Cabbage, Bonanza, 844-A 245 .....	3733	S	S	90	75
Corn, Golden Cross Bantam, V 798 448 .....	3725	S	S	80	75
Corn, Hoosier Gold, V 802 444 .....	3728	S	S	90	75
Peas, Freezonian, V 792 682 .....	3726	S	S	90	80
Peas, World's Record, V 789-A 681 .....	3727	S	S	90	80
Pepper, Early Giant, V 888-A 732 .....	3730	S	S	90	55
Pepper, California Wonder, V 481 735 .....	3734	S	S	65	55
Tomato, Pennheart, V 749-1 914 .....	3729	S	S	90	75
Tomato, Valiant, V 806 619 .....	3732	S	S	90	75
Tomato, Rutgers, V 633 835 .....	3735	S	S	90	75
Tomato, Pritchard, V 872 923 .....	3736	S	S	75	75
<b>Eastern States Farmers' Exchange, Inc.,</b>					
<b>Woodsville</b>					
Beet, Eastern Wonder, V 878 126 .....	4222	S	S	90	65
Brussels Sprouts, Catskill, V 841 214 .....	4224	S	S	75	70
Cucumber, Niagara, V 47 413 .....	4219	S	S	90	80
Popcorn, Popinjay, V 485-1 350 .....	4220	S	S	85	..
Rutabaga, Alberger, V 722 996 .....	4225	S	S	90	75
Spinach, New Zealand, V 720 870 .....	4221	S	S	85	40
Tomato, Stokesdale, V 915 919 .....	4223	S	S	85	75
<b>Laconia State School, Laconia</b>					
Beans, Contender, V772-28 .....	3914	S	S	80	75
Beet, Crosby's Egyptian, 876-125 .....	3919	S	S	80	65
Carrot, Long Chantenay, V768-322 .....	3917	S	S	80	55
Corn, Golden Cross Bantam, V970-448 .....	3918	S	S	90	75
Cucumber, Ohio, MR17, V996-404 .....	3916	S	S	90	80
Parsnip, Model, V949-643 .....	3915	S	S	85	60
Peas, Gilcrest Wrinkled, 529-2 .....	3920	S	S	85	80
Peas, World's Record, V935-681 .....	3921	S	S	90	80
<b>N. H. State Prison Farm, Concord</b>					
Muskmelon, V824-563 .....	3923	S	S	85	75
Parsnip, Imp. Hollow Crown, V948-647 .....	3922	S	S	90	60
Radish, Early Scarlet Glohe, V 617 823 .....	3925	S	S	90	75
Squash, Butternut, V71-806 .....	3927	S	S	90	75
Turnip, Amber Globe, V16-968 .....	3924	S	S	90	80
Watermelon, V18-571 .....	3926	S	S	90	70
<b>EMPIRE SEED CO., INC., Fredonia, N. Y.</b>					
<b>Milligan &amp; Currier, Manchester</b>					
Carrot, Danvers Half Long .....	3874	S	S	55	55
Cucumber, Improved Long Green .....	3873	S	S	80	80
Lettuce, Great Lakes .....	3880	S	S	80	80
<b>FARMERS' FEED &amp; SUPPLY CO., Berlin</b>					
<b>Farmers' Feed &amp; Supply Co., Berlin</b>					
Beans, Kentucky Wonder .....	4342	S	S	84	75
Beans, Burpee's Stringless Green Pod .....	4346	S	S	89	75
Beans, Dwarf Horticultural .....	4347	S	S	89	75
Corn, Golden Sunshine .....	4338	S	S	92	75
Corn, Golden Bantam .....	4344	S	S	82	75
Corn, Marcross .....	4345	S	S	95	75
<b>FERRY-MORSE SEED CO., Detroit, Mich.</b>					
<b>Bartlett's Dept. Store, Pittsfield</b>					
Beans, Bountiful Green Pod .....	3990	S	S	80	75
Beans, Kentucky Wonder .....	3991	S	S	85	75
Onion, Evergreen Bunching .....	3988	S	S	80	70
Parsnip, Hollow Crown .....	3989	S	S	70	60

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<b>FERRY-MORSE SEED CO., Detroit, Mich.</b>			(Note)		
(continued)					
<b>Elm City Grain Co., Keene</b>					
Corn, Golden Cross Bantam .....	3841	♠	♠	75	75
Peas, Morse's Progress .....	3842	♠	♠	85	80
Radish, Early Scarlet Turnip White Tipped .....	3839	♠	♠	90	75
Spinach, Long Standing Bloomsdale .....	3840	♠	♠	70	60
<b>Neal Hardware, Madbury</b>					
Endive, Full Heart Batavian .....	4182	♠	♠	80	70
Parship, Hollow Crown .....	4179	♠	♠	70	60
Radish, Early Scarlet Globe .....	4181	♠	♠	90	75
Turnip, Purple Top White Glohe .....	4180	♠	♠	90	80
<b>J. J. Newberry Co., Manchester</b>					
Carrot, Danvers Half Long .....	3751	♠	♠	60	55
Corn, Golden Bantam .....	3750	♠	♠	75	75
Lettuce, Black Seeded Simpson .....	3749	♠	♠	90	80
Lima beans, Large White .....	3747	♠	♠	80	70
Pepper, Long Red Cayenne .....	3748	♠	♠	80	55
Tomato, Marglobe .....	3746	♠	♠	80	75
<b>FREDONIA SEED CO., Fredonia, N. Y.</b>					
<b>Milligan &amp; Currier, Manchester</b>					
Beans, Golden Wax Bush .....	3871	♠	♠	80	75
Broccoli, Italian Green Sprouting .....	3881	♠	♠	75	75
Carrot, Danvers Half Long .....	3875	♠	♠	55	55
Corn, Golden Cross Bantam .....	3870	♠	♠	75	75
<b>GARDNER, INC., Concord</b>					
<b>Gardner, Inc., Concord</b>					
Beans, Black Wax .....	4323	♠	♠	..	75
Beans, Stringless Green Pod .....	4324	♠	♠	..	75
Carrot, Chantenay .....	4321	♠	♠	..	55
Cucumber, Boston Pickling .....	4319	♠	♠	..	80
Lima beans, Fordhook Bush .....	4322	♠	♠	..	70
Peas, Laxtonian .....	4325	♠	♠	..	80
Radish, Scarlet Globe .....	4320	♠	♠	..	75
Squash, Blue Hubbard .....	4326	♠	♠	..	75
<b>CHAS. C. HART SEED CO., Wethersfield, Conn.</b>					
<b>Beard's General Store, Hillsboro</b>					
Beans, Trout (Variety incorrect) .....	4297	♠	26	85	75
<b>Clark's Hardware, Manchester</b>					
Beans, Dwarf Green Pod .....	4130	♠	♠	85	75
Beans, Kentucky Wonder Pole .....	4131	♠	♠	85	75
Beans, Dwarf Shell, Long Podded .....	4132	♠	♠	85	75
Peas, Laxton's Progress .....	4133	♠	♠	85	80
<b>Fox Hardware, Penacook</b>					
Cabbage, Copenhagen Market .....	3816	♠	♠	75	75
<b>Holbrook Grocery Co., Keene</b>					
Peas, Tall Telephone .....	4208	♠	♠	..	80
Peas, Blue Bantam .....	4209	♠	♠	85	80
<b>Lewis Bros., Hardware, Lebanon</b>					
Beans, Kentucky Wonder Pole .....	4111	♠	♠	85	75
Beet, Crosby's Egyptian .....	4110	♠	♠	90	65
Carrot, Danvers Half Long .....	4115	♠	♠	82	55
Peas, Hundredfold .....	4112	♠	♠	90	80
Peas, Dwarf Telephone .....	4113	♠	♠	85	80
Peas, Little Marvel .....	4114	♠	♠	85	80
<b>Palmer Hardware, Farmington</b>					
Carrot, Scarlet Nantes Coreless .....	4151	♠	♠	55	55
Carrot, Danvers Half Long Stump Root .....	4153	♠	♠	55	55
Cucumber, Improved Long Green .....	4152	♠	26.5	80	80

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<b>CHAS. C. HART SEED CO., Wethersfield, Conn.</b>					
(Continued)					
<b>Palmer Hardware, Farmington (continued)</b>					
Parsley, Moss Curled .....	4156	S	S	60	60
Parsnip, Hollow Crown .....	4149	S	S	60	60
Radish, Cherry Belle .....	4154	S	S	75	75
Radish, Early White Tipped Scarlet .....	4155	S	S	75	75
Turnip, Yellow Globe .....	4150	S	S	80	80
<b>Rand. Ball &amp; King Co., Claremont</b>					
Beans, Vermont Cranberry .....	4300	S	S	..	75
Carrot, Improved Long Orange .....	4302	S	S	78	55
Cucumber, Early White Spine .....	4304	S	S	90	80
Lima beans, Fordhook Bush .....	4303	S	30	85	70
Peas, Little Marvel .....	4298	S	S	85	80
Peas, Blue Bantam .....	4299	S	S	85	80
Peas, Nott's Excelsior .....	4505	S	S	90	80
Radish, Early Scarlet Globe .....	4301	S	S	90	75
<b>BUDD D. HAWKINS, Reading, Vt.</b>					
<b>Bemis I. G. A., Walpole</b>					
Beet, Early Blood Turnip .....	4244	S	S	65	65
Beet, Early Wonder .....	4245	S	S	65	65
Corn, Golden Bantam .....	4241	S	S	75	75
Peas, Laxton's Progress .....	4240	S	S	80	80
Radish, Long White Icicle .....	4242	S	S	75	75
Swiss Chard or Sea Kale Beet .....	4243	S	S	65	65
<b>Cressy Hardware, Bradford</b>					
Beet, Detroit Dark Red .....	4066	S	S	65	65
Carrot, Imperator .....	4063	S	S	55	55
Cauliflower, Earliest Snowball .....	4064	S	S	75	75
Muskmelon, Early Hackensack .....	4065	S	66	75	75
<b>Farmington Flower Shop, Farmington</b>					
Corn, Golden Bantam .....	4162	S	S	75	75
Peas, Tall Telephone .....	4163	S	S	80	80
<b>Griffin Hardware, Newmarket</b>					
Carrot, Nantes Coreless .....	3798	S	S	55	55
Cucumber, Improved Long Green .....	3797	S	56	80	80
Onion, Yellow Globe Danvers .....	3795	S	S	70	70
Parsnip, Imp. Hollow Crown .....	3799	S	S	60	60
Radish, Early Scarlet Turnip .....	3796	S	S	75	75
<b>Lowe &amp; Johnson, East Weare</b>					
Cabbage, New Golden Acre .....	4097	S	S	75	75
Pepper, Improved Large Bell .....	4096	S	S	55	55
Turnip, Purple Top White Globe .....	4095	S	S	80	80
<b>BILLY HEPLER SEED CO., Durham, N. H.</b>					
<b>Curtiss Hardware Co., Berlin</b>					
Pepper, Merrimack Wonder .....	4383	S	S	80	55
Squash, Buttercup .....	4381	S	S	..	75
Squash, Butternut .....	4382	S	S	..	75
<b>Merrimack Farmers' Exchange, Inc., Concord</b>					
Tomato, N. H. Victor .....	3697	S	S	..	75
Watermelon, N. H. Midget .....	3698	S	S	..	70
<b>N. H. State Industrial School, Manchester</b>					
Beans, Pencil Pod Black Wax .....	3724	S	S	80	75
Beet, Detroit Dark Red .....	3712	S	S	85	65
Carrot, Red Core Chantenay .....	3721	S	S	75	55
Corn, Golden Cross Bantam .....	3716	S	S	90	75
Corn, Golden Rocket .....	3717	S	S	95	75
Peas, Freezonian .....	3720	S	82†	92	80
Radish, Early Scarlet Globe .....	3723	S	S	89	75
Spinach, Long Standing Bloomsdale .....	3711	S	72†	88	60
Squash, Royal Acorn .....	3713	S	S	90	75

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(Note)					
<b>BILLY HEPLER SEED CO., Durham, N. H.</b>					
(Continued)					
<b>N. H. State Industrial School, Manchester</b>					
(Continued)					
Swiss Chard, Fordhook Giant .....	3719	S	S	80	65
Tomato, N. H. Victor .....	3715	S	S	90	75
Tomato, Marglobe .....	3718	S	S	88	75
Turnip, Purple Top White .....	3722	S	S	90	80
Watermelon, Merrimack Sweetheart .....	3714	S	S	75	70
<b>D. LANDRETH SEED CO., Philadelphia, Pa.</b>					
<b>Cavis Bros., Bristol</b>					
Beet, Crosby's Egyptian .....	4259	S	S	70	65
Broccoli, Calabrese .....	4257	S	S	80	75
Celery, Giant Pascal .....	4258	S	36.5	60	55
Okra, Dwarf Prolific Long Green Pod .....	4254	S	S	60	50
Onion, Prizetaker .....	4251	S	S	70	70
Parsley, Hamburg Parsnip Rooted .....	4255	S	S	65	60
Rutabaga, Imp. Purple Top Yellow .....	4252	S	S	85	75
Squash, Early Summer Crookneck .....	4253	S	S	85	75
Turnip, Purple Top White Globe .....	4256	S	S	85	80
<b>MANDEVILLE &amp; KING CO., Rochester, N. Y.</b>					
<b>C. P. Stevens Co., Franklin</b>					
Beet, Detroit Dark Red .....	4006	S	S	70	65
Corn, Golden Bantam .....	3999	S	S	80	75
Lettuce, Iceberg type .....	4001	S	S	85	80
Peas, Gradus .....	4005	S	S	85	80
Radish, Icicle .....	3998	S	S	80	75
Radish, Scarlet Globe .....	4000	S	S	80	75
Squash, Summer Crookneck .....	4003	S	S	80	75
Swiss Chard, Lucullus .....	4004	S	S	70	65
Tomato, Early Bonny Best .....	4002	S	S	80	75
<b>MERRIMACK FARMERS' EXCHANGE, INC., Concord</b>					
<b>Merrimack Farmers' Exchange, Inc., Bradford</b>					
Beans, Contender, 3-1-A .....	4033	S	S	..	75
Beans, Burpee's Stringless Green Pod .....	4035	S	S	..	75
Corn, Golden Bantam, Extra Early, 3-1-A .....	4034	S	S	..	75
Corn, Golden Sunshine, 3-1-E .....	4036	S	S	..	75
<b>Merrimack Farmers' Exchange, Inc., Concord</b>					
Peas, Merrimack Imp. Telephone, 3-1-B .....	4129	S	66	..	80
Tomatoes, N. H. Victor, 27-1-B .....	3710	S	S	..	75
<b>Merrimack Farmers' Exchange, Inc., Derry</b>					
Beans, Wade, 3-1-B .....	3752	S	S	..	75
Beans, Sure Crop Black Wax, 3-1-A .....	3754	S	S	..	75
Broccoli, Early Calabrese, 3-1-B .....	3755	S	S	..	75
Lettuce, Penn Lake, 3-1-A .....	3753	S	S	..	80
Mangels, Long Red, 3-1-C .....	3756	S	S	..	..
Swiss Chard, Lucullus, 3-1-A .....	3757	S	S	..	65
<b>Merrimack Farmers' Exchange, Inc., Epsom</b>					
Beans, Contender, 3-1-A .....	4265	S	S	..	75
Beans, Cherokee Wax, 3-1-E .....	4266	S	S	..	75
Beans, Wade, 3-1-B .....	4267	S	S	..	75
Beans, Trout, 35-1-D .....	4268	S	S	..	75
<b>Merrimack Farmers Exchange, Inc., Exeter</b>					
Beans, Kentucky Wonder Green Pole, 3-1-B .....	3838	S	S	..	75
Beets, Long Season, 30-1-D .....	3835	S	S	..	65
Lettuce, Imperial 44, 3-1-A .....	3833	S	74	..	80
Onions, Southport White Globe, 17-1-A .....	3834	S	S	..	70
Parsnips, Hollow Crown, 3-1-B .....	3836	S	S	..	60
Peas, Dwarf Telephone, 3-1-B .....	3837	S	S	..	80
Peppers, Merrimack Wonder, 17-1-A .....	3832	S	S	..	55

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			Found	Guaran- teed**	N. H. Standard
(Note)					
<b>MERRIMACK FARMERS' EXCHANGE, INC., Concord (continued)</b>					
<b>Merrimack Farmers' Exchange, Inc., Franklin</b>					
Muskmelon, Bender's Surprise, 3-1-E .....	3867	%	%	..	75
Peas, World's Record, 3-1-B .....	3865	%	%	..	80
Squash, Table Queen, 3-1-A .....	3866	%	%	..	75
Swiss Chard, Lucullus, 3-1-A .....	3868	%	%	..	65
Turnip, Purple Top White Globe, 3-1-A .....	3869	%	%	..	80
<b>Merrimack Farmers' Exchange, Inc., Goffstown</b>					
Beets, Winter Keeper, 3-1-A .....	3944	%	%	..	65
Carrots, Long Orange, 3-1-A .....	3945	%	%	..	55
Corn, Spangcross, 3-1-B .....	3946	%	%	..	75
Corn, Marcross, 6-1-A .....	3947	%	%	..	75
Corn, Golden Cross Bantam, 3-1-E .....	4280	%	%	..	75
Corn, Top Cross Maine Bantam, 3-1-B .....	4290	%	%	..	75
Corn, High Quality Seneca '60', 24-1-A .....	4291	%	%	..	75
Corn, Marcross, 3-1-A .....	4292	%	%	..	75
<b>Merrimack Farmers' Exchange, Inc., Keene</b>					
Cabbage, Danish Ballhead, 3-1-B .....	3828	%	%	..	75
Lettuce, Boston Curled, 3-1-A .....	3825	%	%	..	80
Lettuce, Progress, 3-1-A .....	3826	%	%	..	80
Radish, Scarlet Globe, 3-1-A .....	3827	%	%	..	75
Tomatoes, Marglobe, 3-1-A .....	3824	%	%	..	75
<b>Merrimack Farmers' Exchange, Inc., Nashua</b>					
Beans, Contender, 3-1-A .....	4283	%	%	..	75
Beets, Detroit Dark Red, 3-1-B .....	4286	%	%	..	65
Broccoli, Early Calabrese, 3-1-B .....	4288	%	%	..	75
Cabbage, Golden Acre, 3-1-D .....	4284	%	%	..	75
Carrots, Chantenay Red Core, 3-1-B .....	4287	%	%	..	55
Corn, Golden Crown, 24-1-E .....	4285	%	%	..	75
Cucumber, Highmoor, 3-1-B .....	4280	%	%	..	80
Lettuce, Penn Lake, 3-1-A .....	4282	%	%	..	80
Radishes, Cherry Belle, 3-1-B .....	4277	%	%	..	75
Squash, Baby Blue Hubbard, 27-1-E .....	4281	%	%	..	75
Tomato, Home Garden, 15-1-A .....	4278	%	%	..	75
Turnip, Purple Top White Globe, 3-1-B .....	4279	%	%	..	80
<b>Merrimack Farmers' Exchange, Inc., Plymouth</b>					
Beans, French Horticultural, 3-1-A .....	3847	%	%	..	75
Broccoli, Early Calabrese, 3-1-B .....	3845	%	%	..	75
Carrots, Imperator, 3-1-A .....	3846	%	%	..	55
Lima beans, Fordhook Bush, 242, 3-1-A .....	3843	%	49	..	70
Peas, Merrimack Improved Telephone, 3-1-B .....	3844	%	66	..	80
<b>Merrimack Farmers' Exchange, Inc., Warner</b>					
Beans, Yellow Eye, State of Maine, 4-1-A .....	4105	%	%	..	75
Beets, Early Wonder, 3-1-A .....	4102	%	%	..	65
Lettuce, A-36, 3-1-A .....	4103	%	%	..	80
Lettuce, Oak Leaf, 3-1-A .....	4104	%	%	..	80
Squash, Blue Hubbard, Colby strain, 14-1-E .....	4101	%	%	..	75
<b>Merrimack Farmers Exchange, Inc., Woodsville</b>					
Beets, Long Season, 30-1-D .....	4270	%	%	..	65
Cauliflower, Early Snowball, 3-1-A .....	4269	%	%	..	75
Lettuce, Early Prizehead, 3-1-B .....	4271	%	%	..	80
Lima beans, Fordhook Bush, 242, 3-1-A .....	4272	%	66	..	70
<b>N. H. State Hospital, Concord</b>					
Beets, Ohio Canner, F-260 .....	3786	%	%	..	65
Carrot, Chantenay, 3-1-5 .....	3783	%	%	..	55
Carrot, Hutchinson, 3-1-B .....	3792	%	%	..	55
Cucumber, Straight Eight, 3-1-B .....	3788	%	%	..	80
Cucumber, Longfellow, 1-216-C .....	3790	%	%	90	80
Parsnip, Hollow Crown .....	3784	%	%	..	60
Pepper, World Beater, 40508C .....	3793	%	%	80	55
Kutabaga Turnip, Yellow .....	3785	%	%	..	75
Squash, Golden Delicious, 9-477C .....	3787	%	%	..	75
Squash, Green Delicious, 3-1-B .....	3789	%	%	..	75
Turnip, White Egg, 34379C .....	3791	%	%	90	80

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(Note)					
<b>MOULTON &amp; GOODWIN, Portsmouth, N. H.</b>					
<b>Moulton &amp; Goodwin, Portsmouth</b>					
Beans, King Horticultural Pole .....	3956	S	S	90	75
Beans, Burpee's Stringless Green Pod .....	3959	S	S	90	75
Beans, Red Cranberry .....	3962	S	S	82	75
Beans, Fava .....	3963	S	S	85	75
Beets, Detroit Dark Red .....	3954	S	S	68	65
Cucumber, Straight Eight .....	3950	S	S	85	80
Parship, All American .....	3951	S	S	90	60
Peas, Little Marvel .....	3949	S	S	80	80
Squash, Giant Straightneck .....	3952	S	S	80	75
<b>NORTHROP, KING &amp; CO., Minneapolis, Minn.</b>					
<b>Aubuchon Hardware &amp; Dept. Store, Milford</b>					
Beans, Tendergreen .....	3890	S	S	..	75
Cabbage, Danish Ballhead .....	3892	S	S	75	75
Squash, Butternut .....	3891	S	S	75	75
<b>Derby's Dept. Store, Peterboro</b>					
Beets, Extra Early Flat Egyptian .....	4074	S	S	65	65
Cabbage, Copenhagen Market .....	4076	S	S	75	75
Muskmelon, Honey Rock .....	4075	S	S	75	75
Parship, Hollow Crown .....	4073	S	S	60	60
<b>General Mills, Inc., Nashua</b>					
Beets, Extra Early Flat Egyptian .....	4045	S	S	65	65
Beets, Detroit Dark Red .....	4046	S	S	65	65
New Zealand Spinach .....	4047	S	S	60	40
Squash, Butternut .....	4048	S	S	75	75
<b>Moreau's Dept. Hardware Store, Manchester</b>					
Beets, Early Blood Turnip .....	3743	S	S	65	65
Carrot, Danvers Half Long .....	3741	S	S	55	55
Cucumber, Boston Pickling .....	3738	S	S	80	80
Onion, Yellow Globe Danvers .....	3740	S	S	70	70
Parship, Improved Hollow Crown .....	3737	S	S	60	60
Tomato, Bonny Best or John Baer .....	3742	S	S	75	75
<b>THE PAGE SEED CO., Greene, N. Y.</b>					
<b>Seavey Hardware, Dover</b>					
Corn, Golden Bantam .....	4173	S	S	85	75
Peas, Thomas Laxton .....	4176	S	S	80	80
<b>Joslin Hardware, Wilton</b>					
Carrot, Danvers Half Long .....	3897	S	S	80	55
Cauliflower, Early Snowball .....	3893	S	S	85	75
Onion, Prizetaker .....	3895	S	S	80	70
Radish, French Breakfast .....	3896	S	S	85	75
Rutabaga, American Purple Top Yellow .....	3894	S	S	85	75
<b>Hammar Hardware, Nashua</b>					
Beans, Bountiful .....	4043	S	S	80	75
Beans, Top Notch Golden Wax .....	4044	S	S	80	75
Egg Plant, Black Beauty .....	4042	S	S	65	60
Pumpkin, Connecticut Field .....	4041	S	S	80	75
<b>Folansbee's Feed Store, Lebanon</b>					
Beets, Detroit Dark Red .....	4021	S	S	80	65
Corn, Golden Sunshine .....	4024	S	S	80	75
New Zealand Spinach .....	4027	S	S	60	40
Radish, Scarlet China, Winter .....	4026	S	66.5	75	75
<b>L. L. PEAVEY CO., INC., Portsmouth, N. H.</b>					
<b>L. L. Peavey Co., Inc., Portsmouth</b>					
Beans, Dwarf Horticultural .....	3929	S	S	..	75
Corn, Golden Bantam .....	3935	S	S	..	75
Lettuce, Prizehead .....	3933	S	31	..	80
Lettuce, Black Seeded Simpson .....	3934	S	S	..	80
Lima beans, Bush .....	3928	S	S	..	70
Onions, Danvers Yellow Globe .....	3931	S	S	..	70
Peas, Improved Telephone .....	3930	S	S	..	80
Swiss Chard, Lucullus .....	3932	S	S	..	65

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<b>J. B. RICE, JR., INC., Shushan, N. Y.</b>					
<b>Scruggs Hardware, Woodsville</b>					
Beans, Cranberry .....	4236	S	61	85	75
Beans, Pencil Pod Black Wax .....	4237	S	S	85	75
Peas, Hopper .....	4238	S	S	85	80
<b>Farmington Flower Shop, Farmington</b>					
Carrots, Danvers Half Long .....	4157	S	S	85	55
Parsley, Moss Curled .....	4160	S	S	85	60
Parsnip, Hollow Crown .....	4159	S	S	85	60
Tomato, Pritchard .....	4161	S	S	80	75
<b>Fox Hardware, Penacook</b>					
Beans, Pencil Pod Black Wax .....	3820	S	S	90	75
Beans, Stringless Green Pod .....	3823	S	S	90	75
Carrot, Long Orange .....	3821	S	S	75	55
Lettuce, Big Boston .....	3822	S	S	85	80
Swiss Chard, Lucullus .....	3819	S	S	85	65
<b>JEROME B. RICE SEED CO., Cambridge, N. Y.</b>					
<b>Clarke's Hardware, Manchester</b>					
Cabbage, Savoy Perfection Drumhead .....	4136	S	S	..	75
Chives .....	4137	S	35	60	..
Lettuce, Great Lakes .....	4135	S	S	85	80
Radish, Rose China, Winter .....	4134	S	S	80	75
<b>Lowe &amp; Johnson, East Wear</b>					
Beets, Early Wonder .....	4100	S	S	70	65
Cucumber, Straight Eight .....	4098	S	S	80	80
Endive, Moss Curled .....	4099	S	S	70	70
<b>Neal Hardware, Madbury</b>					
Lettuce, Slobolt .....	4177	S	S	80	80
Radish, Improved Scarlet Globe .....	4178	S	S	80	75
<b>Turcotte's Hardware, Newmarket</b>					
Cabbage, Copenhagen Market .....	3812	S	S	80	75
Carrot, Danvers Half Long .....	3811	S	S	55	55
Cauliflower, Early Snowball .....	3813	S	S	75	75
Onions, Large Red Wethersfield .....	3814	S	S	75	70
<b>ROSS BROS CO., Worcester, Mass.</b>					
<b>Milligan &amp; Currier, Manchester</b>					
Broccoli, Italian Green Sprouting .....	3882	S	S	..	75
Carrot, Danvers Half Long .....	3885	S	S	..	55
Lettuce, Early Curled Simpson .....	3883	S	S	..	80
Radish, Early Scarlet Turnip .....	3884	S	S	..	75
Squash, Golden Hubbard .....	3872	S	S	..	75
<b>SEARS ROEBUCK &amp; CO., Chicago, Ill.</b>					
<b>Sears Roebuck &amp; Co., Concord</b>					
Beans, Bush Sure Crop Wax .....	3804	S	S	80	75
Lettuce, Great Lakes .....	3810	S	S	80	80
Onion, Red Wethersfield .....	3808	S	S	75	70
Parsnip, Hollow Crown .....	3867	S	S	65	60
Pumpkin, Kentucky Field .....	3805	S	S	80	75
Swiss Chard, Fordhook Giant .....	3806	S	S	65	65
Turnip, Purple Top Strap Leaf .....	3809	S	S	80	80
<b>Sears Roebuck &amp; Co., Keene</b>					
Beans, Kentucky Wonder Pole, 4010 .....	4396	S	S	80	75
Beans, Sure Crop Wax, 4022 .....	4398	S	S	80	75
Lettuce, Great Lakes, 4148 .....	4393	S	S	80	80
Lima beans, Fordhook Bush, 4026 .....	4397	S	S	70	70
Onion, Yellow Globe Danvers, 4223 .....	4395	S	S	75	70
Peas, Telephone, 4251 .....	4399	S	S	80	80
Peas, Dwarf Telephone, 4237 .....	4400	S	S	85	80
Radish, Early Scarlet Globe, 4277 .....	4394	S	S	80	75

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<b>SEARS ROEBUCK &amp; CO., Chicago, Ill. (continued)</b>					
<b>Sears Roebuck &amp; Co., Nashua</b>					
Beans, Bush Stringless Tenderlong .....	4069	S	S	80	75
Carrot, Chanticleer .....	4067	S	S	55	55
Corn, Calumet .....	4068	S	S	85	75
<b>F. B. SPAULDING CO., Lancaster, N. H.</b>					
<b>F. B. Spaulding Co., Lancaster</b>					
Beans, Pencil Pod Black Wax .....	4348	S	S	85	75
Corn, Spangcross .....	4350	S	S	85	75
Corn, Early Golden Bantam .....	4353	S	S	85	75
Peas, Blue Bantam .....	4349	S	S	80	80
Peas, Thomas Laxton .....	4352	S	S	85	80
<b>STERLING SEED CO., Minneapolis, Minn.</b>					
<b>M. H. Fishman Co., Keene</b>					
Broccoli, Green Sprouting .....	3852	S	S	..	75
Carrot, Nantes or Coreless .....	3853	S	S	..	55
Carrot, Improved Danvers Half Long .....	3886	S	S	..	55
Carrot, Chantenay Red Cored .....	3848	S	S	..	55
Cucumber, Straight Eight .....	3849	S	S	..	80
Lettuce, Iceburg .....	3851	S	S	..	80
Radish, Sparkler .....	3850	S	S	..	75
<b>F. H. WOODRUFF &amp; SONS, INC., Milford, Conn.</b>					
<b>Elm City Grain Co., Keene</b>					
Beans, Burpee's Stringless Green Pod .....	4379	S	S	90	75
Corn, Black Mexican .....	4380	S	42	80	75
<b>Exeter Feed &amp; Supply Co., Inc., Exeter</b>					
Beans, Pencil Pod Black Wax, 42834 .....	4014	S	S	90	75
Beans, Topcrop, O-437a .....	4019	S	S	86	70
Beet, Early Wonder, 1-211c .....	4018	S	75 †	85	65
Corn, Golden Cross Bantam Hybrid .....	4015	S	S	80	75
Parsnip, Hollow Crown, 9-452 .....	4016	S	S	80	60
Peas, Early Gradus .....	4017	S	S	90	80
Squash, Golden Delicious, 9-477-C .....	4013	S	S	90	75
Squash, Butternut, 1-4225-1 .....	4020	S	S	85	75
<b>Granite State Feed Store, Hillsboro</b>					
Beet, Crosby Egyptian .....	4309	S	S	85	65
Carrot, Danvers Half Long .....	4311	S	S	85	55
Cucumber, Long Green .....	4314	S	S	90	80
Lettuce, Black Seeded Simpson, 40499 .....	4313	S	S	90	80
Radish, Special Scarlet Globe .....	4312	S	S	90	75
Squash, Red or Golden Hubbard, 9-480C .....	4315	S	S	90	75
Squash, Improved Hubbard .....	4316	S	S	90	75
Swiss Chard, Lucullus .....	4310	S	S	75	65
<b>Merrimack Farmers' Exchange, Inc., Concord</b>					
Beans, Sure Crop Wax .....	3686	S	S	81	75
Beans, Longreen, O-311C .....	3687	S	76 †	87	75
Beans, French Horticultural .....	3688	S	S	85	75
Beans, Wade Bush .....	3691	S	S	88	75
Beans, Kentucky Wonder .....	3692	S	S	90	75
Beans, Cherokee Wax .....	3693	S	S	87	75
Corn, Bantam Evergreen, 41433 .....	3699	None	S	..	75
Corn, Golden Sunshine .....	3700	S	S	90	75
Corn, Golden Early Market .....	3701	S	S	90	75
Corn, Marcross .....	3702	S	S	90	75
Corn, Carmelcross .....	3703	S	S	90	75
Corn, Golden Bantam, Extra Early .....	3704	S	S	90	75
Lima beans, Fordhook, U. S. 242, 1-3187 .....	3685	S	46	85	70
Peas, Laxtonian, 41405 .....	3689	S	80 †	90	80
Peas, World's Record .....	3690	S	S	90	80
Peas, Laxtonian Progress .....	3694	S	S	90	80
Peas, Improved Telephone, 40604 .....	3695	S	59	84	80
Peas, Dwarf Telephone .....	3696	S	S	90	80

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N. H.  
Standard

**F. H. WOODRUFF & SONS, INC., Milford, Conn.**

(Note)

(continued)

**Wirthmore Feed Store, Concord**

Beet, Detroit Dark Red	4083	S	S	85	65
Carrot, Danvers Half Long, 1-421	4077	S	S	85	55
Cucumber, Boston Pickling	4081	S	S	85	80
Cucumber, Improved Long Green	4082	S	S	90	80
Pumpkin, Connecticut Field	4084	S	S	80	75
Rutabaga, Long Island Improved	4079	S	S	90	75
Spinach, Bloomsdale Longstanding	4080	S	S	75	60
Swiss Chard, Lucullus	4078	S	S	75	65

**S. D. WOODRUFF & SONS, INC., Orange, Conn.**

**Checkerboard Feed Store, Concord**

Cabbage, Copenhagen Market	3902	S	S	75	75
Cabbage, Drumhead Savoy	3904	S	S	75	75
Carrot, Tendersweet	3900	S	S	70	55
Carrot, Hutchinson	3903	S	S	70	55
Celery, Giant Pascal	3899	S	S	70	55
Chinese Cabbage, Chihli	3901	S	S	75	75
Cucumber, Improved White Spine	3907	S	S	80	80
Lettuce, Romaine or Cos	3898	S	S	80	80
Lettuce, Oakleaf	3905	S	S	80	80
Lettuce, Iceberg	3906	S	S	80	80

**Keene Hardware Co., Keene**

Beans, Tendergreen	4384	S	S	..	75
Beans, Bountiful	4385	S	S	..	75
Beans, Green Podded Pole	4386	S	S	90	75
Corn, Marccross	4387	S	S	90	75
Corn, Golden Cross Bantam	4388	S	S	90	75
Peas, World's Record	4389	S	S	90	80

**Seavey Hardware, Dover**

Beet, Good for All	4172	S	S	75	65
Cucumber, Boston Pickling	4174	S	S	80	80
Kale, Dwarf Green Curled	4175	S	S	75	75

**YOUNG'S HARDWARE, Exeter**

**Young's Hardware, Exeter**

Beet, Crosby Egyptian	3768	S	S	79	65
Parsnip, Hollow Crown	3769	S	S	90	60
Pumpkin, Small Sugar	3771	S	S	76	75
Squash, Boston Marrow	3770	S	S	76	75

It is presumed that the following samples of seed were carried over by the dealer from the previous season; hence, the name of the wholesaler is omitted:

**Colebrook Feed Co., Colebrook**

Beans, Vermont Cranberry	4337	None	21	..	75
Beans, Bush Goddard	4401	None	S	..	75
Corn, Golden Bantam	4332	None	S	..	75
Peas, Thomas Laxton	4333	None	S	..	80

**Follansbee's I. G. A. Store, Bristol**

Peas, Nott's Excelsior	4190	3/1952	S	85	80
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**Moulton & Goodwin, Portsmouth**

Corn, Spancross	3953	None	S	..	75
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**Northwood Hardware, Northwood**

Corn, Golden Bantam	4264	None	S	..	75
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\* As stated on label. "S" in this column indicates that date of test was in compliance with law. Figures or "None" indicate violation.

\*\* Sometimes stated on label but is not required if vegetable seed is up to standard.

Note: "S" in this column indicates that the sample was satisfactory, — up to standard and within the allowable variation from the guarantee. Figures alone indicate that the sample was below standard.

† After the figure indicates that the sample was up to standard but below guarantee.













