



Bulletin 422

August, 1955

NEW HAMPSHIRE
AGRICULTURAL EXPERIMENT STATION

Department of Agronomy

Results of Seed Tests for 1955

Made for the
STATE DEPARTMENT OF AGRICULTURE



by BESSIE G. SANBORN

THE UNIVERSITY OF NEW HAMPSHIRE
DURHAM, N. H.



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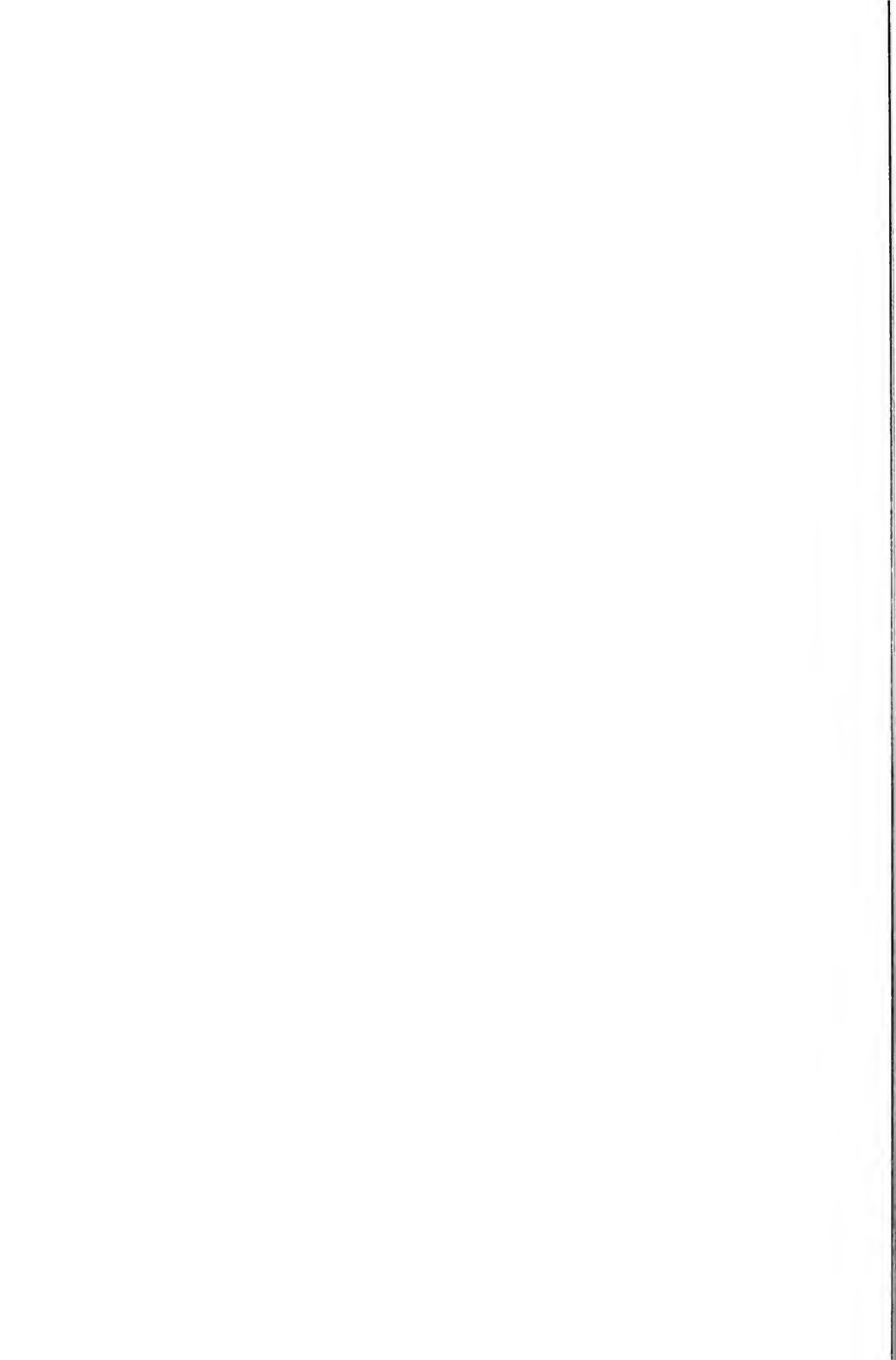
Results of Seed Tests for 1955

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DURHAM, N. H.



RESULTS OF SEED TESTS

Made July 1, 1954, to June 30, 1955

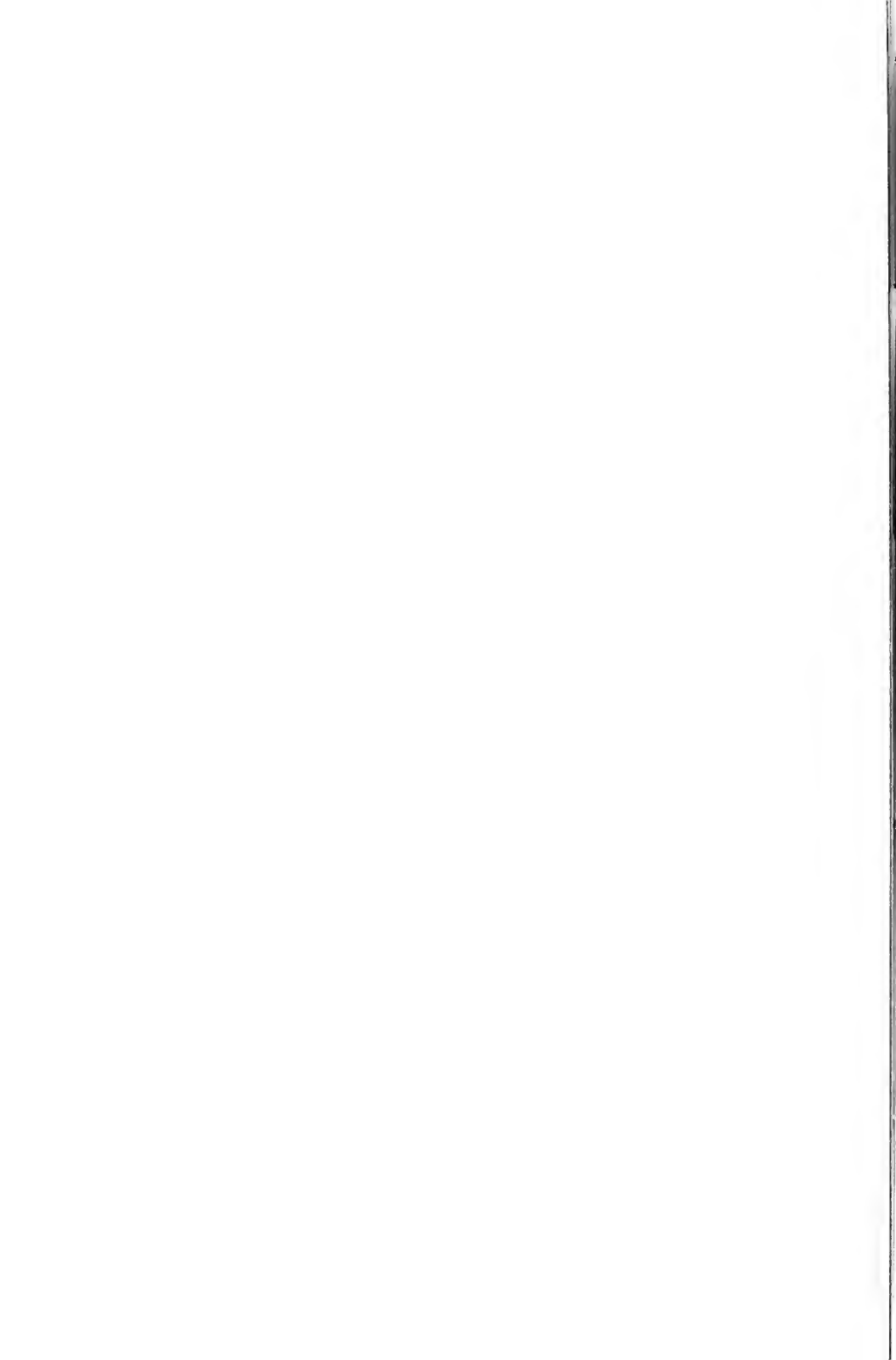
This report contains the results of the seed inspection work for the State Department of Agriculture of 575 official samples collected throughout the state during the period from July 1, 1954, to June 30, 1955, by Mr. George H. Laramie, Control Supervisor, and Mr. Harold Ayer, Assistant Control Supervisor. In addition to these official samples, 1052 private samples were analyzed, making a total of 1627 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 173 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. 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 402 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 New Hampshire seed law and the rules and regulations thereunder, including the germination standards for vegetable seed, follow:



STATE OF NEW HAMPSHIRE

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

I. **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

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 99.2% could test as low as 98.25% and be "satisfactory."

For germination: The following tolerances are applicable:

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

Dandelion	45	Pumpkin	75
Eggplant	60	Radish	75
Endive	70	Rhubarb	60
Fetticus (cornsalad)	70	Rutabaga	75
Kale	75	Salsify	75
Kohlrabi	75	Sorrel	60
Leek	60	Soybean	75
Lettuce	80	Spinach (except New Zealand)	60
Muskmelon	75	Spinach (New Zealand)	40
Mustard	75	Squash	75
Okra	50	Swiss Chard	65
Onion	70	Tomato	75
Parsley	60	Tomato, husk	50
Parsnip	60	Turnip	80
Peas	80	Watermelon	70
Pepper	55		

Labeling.

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

Example for unmixed agricultural seed:

Alsike Clover		Lot No. 243		
John F. Doe Company Greene, N. H.	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:

Grass seed, mixed		Lot No. 0236	
John F. Doe Company Greene, N. H.	Purity:	Germination:	
	Perennial rye grass	92.5%	Jan. (current year)*
	Chewings fescue	85.0%	Jan. (current year)*
	Kentucky bluegrass	80.0%	Jan. (current year)*
	Canada bluegrass	58.5%	Jan. (current year)*
	Creeping bent	84.0%	Jan. (current year)*
	Crop seed		
	Weed seed		
	Inert matter		

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.

* "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, 1955

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	Germi- nation	Remarks
				(Note)	(Note)	(Note)	(Note)	(Note)	
ALLEN, STERLING & LOTHROP, Portland, Me.									
Emerson 5 and 10, Groveton Timothy, 5820)		5579	S	L 99.60 F S	.20 S	.05 S	.15 S	87 74.5 90	Germination below guarantee; Should be labeled "Mixture"; Germination should be given for Al- sike clover.
White Dutch clover, Lot No. W-306		5578	S	L 91.00 F S L 8.00 F 8.08	.40 S	.25 S	S	S	
Alsike clover								84	
ARTHUR R. CONE, INC., Buffalo, N. Y.									
Beacon Grain Store, Dover Hungarian millet, 90378		5608	S	L 98.00 F 93.80 L 99.91	.05 2.56 S	.45 3.21 S	1.50 S .09	80 S 70	Purity below guarantee; other crop and weed seeds excessive.
Ladino clover, 35163		5602	S	L 99.91	S	S	S	80	
Sudan grass, 92 x 99		5607	S	L 98.21 F S	.20 S	.01 S	1.58 S	80 S	
Farmers Feed & Supply Co., Colebrook									
Rye, Balbo, 56 x 3/6		5573	S	L 98.00 F S	.25 S	.10 S	1.05 S	85 64.5	Germination below guarantee.
Grenier Air Force Base, Manchester									
General Mills Mixture, 38 x 157		5546	S	L F L 59.60	1.86 S	.23 S	.51 4.16	90 S 85	Inert matter excessive.
Alta fescue								90	
Redtop								85	
Perennial ryegrass								90	
Red clover, medium								90 S 75	
F. B. Spaulding & Co., Lancaster									
Alsike clover, 25-628		5541	S	L 98.92 F S	.93 S	.15 S	S	70	
Barley, Six row, 52 x 323		5539	S	L 98.56 F S	1.28 S	.01 S	.15 S	90 S	
Corn, Wisconsin Hybrid, 275-A		5538	S	L 99.96 F S	S	S	.04 S	97 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

ARTHUR R. CONE, INC., Buffalo, N. Y. (con-
tinued)

F. B. Spaulding & Co., Lancaster
Hungarian millet, 90 x 393

Oats, Victory, 50 x 666

Oats, Certified Clinton 59, 50 T 687

Soybeans, Lincoln, 62 x 173

Timothy, 10-279

Wheat, Mida Spring, 54 x 500

Sunshine Feed Store, Manchester

Alsike clover, 25627

Bentgrass, Colonial, 40-69

Bluegrass, Kentucky, 34-236

Buckwheat, mixed 58 x 216

Corn, West Branch Sweepstakes, 80 x 608

Red clover, Medium, 15-48

Redtop, 30274

Timothy, 10-222

Timothy, 10-222

Sunshine Feed Store, West Lebanon

Alfalfa, Cert. Vernal, 28606

Alfalfa, Narragansett, 28-705

Alfalfa, Cert. Ranger, 29-696

Alsike clover, 25-628

Hungarian millet, 90 x 378

Ladino clover, Cert., 35-147

Sample No.	Date Tested*	Pure Seed	Other Crop Seed	Weed Seed	Inert Matter	Germination	Remarks
		(Note)	(Note)	(Note)	(Note)	(Note)	
5543	S	L 99.26	.08	.50	.16	80	
5540	S	L 99.61	.35	.01	.03	46	Germination below guarantee.
5544	S	L 99.80	1.10	.01	.01	90	Other crop seed excessive.
5542	S	L 99.50	.01	.01	.01	90	
5537	S	L 99.50	.20	.25	.05	92.5	
5545	S	L 99.50	.10	.01	.40	90	
5412	S	L 98.13	1.77	.05	.05	76	
5617	S	L 98.20	.01	.40	1.40	85	
5615	S	L 85.00	.41	.20	14.39	75	
5618	S	L 99.60	.20	.01	.01	90	
5414	S	L 99.50	.01	.01	.50	90	
5411	S	L 99.34	.34	.16	.16	84	
5619	S	L 92.00	1.10	1.50	5.40	85	
5410	S	L 99.80	.05	.01	.10	85	
5616	S	L 99.80	.05	.05	.10	85	
5379	S	L 99.70	.07	.23	.01	78	
5380	S	L 99.92	.01	.02	.06	74	
5383	S	L 99.96	.01	.01	.04	86	
5385	S	L 98.92	.93	.15	.01	70	
5401	S	L 98.00	.05	.45	1.50	88	Purity below guarantee; weed seeds excessive.
5381	S	L 94.32	.01	5.13	.15	84	
		L 99.80	.01	.05	.01	84	

Red clover, Medium, 15 x 72	5384	\$	L	99.46	.32	.06	.16	84
		\$	F	99.46	.32	.06	.16	84
Sweet clover, White Blossom, 29-233	5378	\$	L	99.10	.43	.15	.30	76
		\$	F	99.10	.43	.15	.30	76
Timothy, 10-279	5382	\$	L	99.50	.20	.25	.05	92.5
		\$	F	99.50	.20	.25	.05	92.5
White Dutch clover, 32-163	5377	\$	L	98.10	1.70	.06	.14	73
		\$	F	98.10	1.70	.06	.14	73
ALBERT DICKINSON CO., Chicago, Ill.								
Merrimack Farmers' Exch., Inc., Bow	5407	\$	L	99.42	.S	.14	.42	95
		\$	F	99.42	.S	.14	.42	95
Merrimack Farmers' Exch., Inc., Milford								
Alfalfa, Ranger, 028799, No. 3	5264	\$	L	99.78	.02	.02	.18	89
		\$	F	99.78	.02	.02	.18	89
Brome grass, Lincoln, 097385	5266	\$	L	84.64	1.84	.46	13.06	83
		\$	F	84.64	1.84	.46	13.06	83
Field peas, Canada, 085681	5263	\$	L	99.31	.02	.S	.66	86
		\$	F	99.31	.02	.S	.66	86
Merrimack Farmers' Exch., Inc., Plymouth								
Red fescue, Creeping, 034264, No. 1	5658	\$	L	95.20	.55	.65	3.60	92
		\$	F	95.20	.55	.65	3.60	92
Ryegrass, common, 038542	5662	\$	L	99.26	.02	.64	.08	94
		\$	F	99.26	.02	.64	.08	94
Merrimack Farmers' Exch., Inc., Rochester								
Bluegrass, Kentucky, 32944	5674	\$	L	86.40	.10	.10	13.40	75
		\$	F	86.40	.10	.10	13.40	75
Field peas, Canada, 085681	5672	\$	L	99.31	.02	.01	.66	86
		\$	F	99.31	.02	.01	.66	86
Ladino clover, 26941	5675	\$	L	99.10	.03	.10	.75	90
		\$	F	99.10	.03	.10	.75	90
Merrimack Farmers' Exch., Inc., Warner								
Timothy, 60627	5200	\$	L	99.70	.05	.05	.20	90
		\$	F	99.70	.05	.05	.20	90
Merrimack Farmers' Exch., Inc., Woodsville								
Alfalfa, Ranger, 0287-99, No. 3	5466	\$	L	99.78	.02	.02	.18	89
		\$	F	99.78	.02	.02	.18	89
EASTERN STATES FARMERS' EXCH.,								
W. Springfield, Mass.								
Eastern States Farmers' Exch., Claremont	5621	\$	L	99.50	.S	.S	.50	92
		\$	F	99.50	.S	.S	.50	92
Conn. Penna. 444 Bristol, 1027	5622	\$	L	99.50	.S	.S	.50	90
		\$	F	99.50	.S	.S	.50	90
Conn. Cornell 296-3, 1467								

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Name and Address of Wholesaler Name and Address of Dealer or Place Collected Kind of Seed	Sample No.	Date Tested ³	Pure Seed (Note)	Other Crop Seed (Note)	Weed Seed (Note)	Inert Matter (Note)	Germin- ation (Note)	Remarks
EASTERN STATES FARMERS' EXCH., W.								
Springfield, Mass. (continued)								
Eastern States Farmers' Exch., Claremont (con- tinued)								
Corn, Mass. 63 Hybrid, 1036	5623	S	L 99.50 F 99.50	S	S	.50 S	90 S	
Corn, Penna. 602A, 1008	5624	S	L 99.50 F 99.15	S	S	.50 S	92 S	
Reed canary grass, 1026	5620	S	L 99.15 F S	.07 S	.08 S	.70 S	75 S	
Eastern States Farmers' Exch., Dover								
Alfalfa, Narragansett, 488	5386	S	L 99.65 F S	.02 S	.07 S	.26 S	80 S	
Birdfoot trefoil, 1009	5389	S	L 97.50 F S	2.21 S	.12 S	.17 S	50 S	
Grimson clover, 1485	5400	S	L 99.30 F S	.10 S	.15 S	.45 S	80 S	
Hay & Pasture Mixture No. 1, 1003	5383	S	L 99.36 F 40.00	.21 S	.17 S	.26 S	S S	
Red clover, Medium			L 40.00 F S	S	S	S	85 S	
Alsike clover			L 20.00 F S	S	S	S	81 S	
Timothy			L 40.00 F S	S	S	S	89 S	
Japanese millet, 494	5395	S	L 99.50 F S	.05 S	.05 S	.40 S	85 S	
Ladino clover, 1482	5398	S	L 99.25 F S	.05 S	.15 S	.55 S	63 S	
Red clover, Kenland, 431	5397	S	L 99.52 F S	.16 S	.05 S	.24 S	60 S	
Sudan grass, Piper, 1487	5394	S	L 99.60 F S	.10 S	.05 S	.25 S	90 S	
Eastern States Farmers' Exch., Manchester								
Barley, Eric Spring, 202	5463	S	L 99.50 F S	.05 S	.05 S	.40 S	93 S	
Buckwheat, Selected, 457	5464	S	L 99.50 F S	.05 S	.05 S	.40 S	85 S	
Oats, Ajax, 395-D	5465	S	L 99.50 F S	.05 S	.05 S	.40 S	90 S	
Rye, Forage Winter, 1456	5462	S	L 99.00 F 96.04	.60 3.17	.10 S	.30 S	85 S	Purity below guarantee; other crop seeds excessive.
Eastern States Farmers' Exch., Woodsville								
Corn, Maine B Hybrid, 1017	5434	S	L 99.50 F S	S	S	.50 S	92 S	
Corn, Ohio M-15, 1475	5436	S	L 99.50 F S	S	S	.50 S	92 S	

Corn, Mass. 63 Hybrid, 1464	5437	S	L	99.50	S				.50	S	90
Field peas, Chaining, 173 (small bag)	5435	S	L	99.50	S				.50	S	86
Field peas, Chaining, 173 (large bag)	5438	S	L	99.50	S				.50	S	86
Hay-Pasture Mixture No. 2, 1643:	5432	S	L	99.06	S				.53	S	83
Red clover, Medium			L	30.00	S				.17	S	81
Alsike clover			L	25.00	S					S	77
Timothy			L	40.00	S					S	90
Redtop, Fancy Solid			L	5.00	S					S	90
Japanese millet, 475	5431	S	L	99.50	S			.05	.40	S	90
Ryegrass, Domestic, 411	5433	S	L	99.50	S			.12	.33	S	90
Glenciff Sanitorium, Benton Oats, Clinton 59, 592-E	5249	S	L	99.50	S			.05	.05	S	90
Brome grass, smooth, Lincoln type, 1461	5236	S	L	91.00	S			.13	.73	S	80
FARMERS FEED & SUPPLY CO., c/o PARK & POLLARD CO., Buffalo, N.Y. Farmers Feed & Supply Co., Colerbrook Corn, Wisconsin 240 Hybrid, 520	5572	S	L	99.50	S				.50	S	88
CHAS. C. HART SEED CO., Wethersfield, Conn. Ed's Gulf Service, Hemiker Lawn Seed, Granvue Park, P 480:	5242	S	L	44.55	S				.34	S	90
Ryegrass, common			L	19.93	S					S	90
Creeping red fescue			L	14.93	S					S	90
Chewings fescue			L	14.93	S					S	90
Fescue, Chewings and Creeping red			F	36.23†	S					S	91†
Alta tall fescue			L	13.81	S					S	90
White clover			L	.76	S					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	Other Crop Seed	Weed Seed	Inert Matter	Germi- nation	Remarks
			(Note)	(Note)	(Note)	(Note)	(Note)	
MAINE POTATO GROWERS, Presque Isle, Me. Merrimack Farmers' Exch., Inc., Bow Oats, Clinton 59, 14 x 149	5235	S	L 99.50 F S	.02 S	.03 S	.45 S	90 S	
MERRIMACK FARMERS' EXCH., INC. Concord Merrimack Farmers' Exch., Inc., Bow Wheat, Midda Spring, 5048	5404	S	L 99.91 F S	S	S	.09 S	92 S	
Merrimack Farmers' Exch., Inc., Bradford Lawn Seed, Merrimack Evergreen, No. 108:	5221	S	L F	1.13 S	.25 S	4.62 S	73 S	
Kentucky bluegrass			L 8.60 F S				76 S	
Rough bluegrass			L 9.10 F S				85 S	
Creeping red fescue			L 35.00 F S				90 S	
Common rye-grass			L 24.80 F S				80 S	
Redtop			L 9.35 F S				88 S	
White Dutch clover			L 7.15 F S				83 S	
Merrimack Farmers' Exch., Inc., Claremont Mangels, Long Red, 61-3-C	5363	S	L F				83	
Merrimack Farmers' Exch., Inc., Concord Rye, Rosen, 54-100	5068	S	L 94.00 F S	4.00 S	.50 S	1.50 S	82 S	Germination below guarantee.
Merrimack Farmers' Exch., Inc., Goffstown Alfalfa, Grimm, 27148	5613	S	L 99.68 F S	.10 S	.10 S	.12 S	81 S	
Alsike clover, NB 575	5614	S	L 99.30 F S	.30 S	.25 S	.13 S	90 S	
Buckwheat, Japanese, 5203	5612	S	L 59.50 F S	.10 S	.05 S	.33 S	92 S	
Timothy, 66604	5611	S	L 99.65 F S	.10 S	.05 S	.20 S	83 S	

Merrimack Farmers' Exch., Inc., Mifflord
Corn, West Branch Sweepstakes, 5561

Ryegrass, Common, 038520

Vetch, Hairy, 9919

5265	S	L	99.00				1.00	84
	F	F	99.43	.02	.16	S	S	93
5269	S	F	99.21	.30	.01	S	S	65
5267	S	F				S	S	

Merrimack Farmers' Exch., Inc., Peterboro
Alsike clover, N.B. 575

Corn, Wisconsin 240, 3810

Corn, Cornell 29-3, 35-33

Red clover, Medium, 24255

Timothy, 3485

5261	S	L	99.30	.30	.25		.15	90
	F	F	99.50			S	S	
5262	S	L	99.90			S	.59	83
	F	F	99.90			S	.04	92
5263	S	L	99.28	.30	.14	S	.28	83
	F	F	99.46	.12	.12	S	.16	90
5260	S	L	99.46			S		
5258	S	F				S		

Merrimack Farmers' Exch., Inc., Plymouth
Rape, 95111

White clover, 26929

5664	S	L	98.97		.22		.81	77
	F	F	95.70	3.90	.20	S	.20	70
5663	S	F				S		

Merrimack Farmers' Exch., Inc., Rochester
Barley, Moore 6-row, 5246

Ryegrass, Perennial, 038524

Soybeans, Cayuga, 84-32

5466	S	L	98.91	.91	.02		.16	91
	F	F	97.16	2.50	.03	S	.26	92
5673	S	F	99.00			S		
5653	S	F				S	1.00	81

Merrimack Farmers' Exch., Inc., Warner
Hayland Mixture, Lot 506;

Alsike clover

Red clover

Timothy

Ladino clover, R 4084 A

Orchard grass, 37590

Rape, 95-11

5199	S	L		.35	.10		.25	
	F	F	12.30			S		90
	L	L	37.20			S		90
	L	L	49.80			S		90
	F	F	99.50		.34		.16	65
5202	S	L	89.70	.55	.05	S	8.90	60
5203	S	F	98.97			S		
5201	S	F			.22		.81	77
	F	F				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 (Note)	Other Crop Seed (Note)	Weed Seed (Note)	Inert Matter (Note)	Germination (Note)	Remarks
MERRIMACK FARMERS' EXCH., Inc., Concord (continued)							
5468	S	L 98.50 F S	1.48 S	.01 S	.01 S	64 S	
5488	S	L 99.75 F S	.32 S	.28 S	.25 S	90 S	
5469	S	L 96.45 F S	.32 S	.28 S	2.95 S	80 S	
Oats, Ajax, A-1-55							
MONTGOMERY WARD, Chicago, Ill.							
5335	S	L 97.16 F S	1.95 S	.49 S	.40 S	70 S	
Montgomery Ward, Claremont							
White Dutch clover, 1-931708							
MOULTON, GOODWIN & HALL, Portsmouth***							
5160	S	L F				76 S	
Moulton, Goodwin & Hall, Portsmouth							
Mangel Beet, Manumott							
5571	S	L 99.20 F S	.35 S	.05 S	.40 S	93 S	
Oats, Clinton 11, A-3498							
O. M. SEED CO., Green Springs, Ohio							
5279	S	L 51.23 F S	.50 S	.06 S	48.71 S	70 S	Other crop seeds excessive.
5280	S	L 98.00 F S		.09 S	1.91 S	70 S	
White clover, Clover, 4920/2							
White clover, 48007							
SEARS ROEBUCK & CO., Chicago, Ill.							
5244	S	L F	.01 S	.20 S	.72 S	90 S	
Sears Roebuck & Co., Nashua							
Green Karpet Grass Seed, 5042;							
Domestic ryegrass							
Perennial ryegrass							
Ryegrass							
Alta fescue							
Highland bent grass							
Trivialis bluegrass							
5243	S	L 95.45 F S	4.30 S	.08 S	.17 S	91.5 S	†Satisfactory.
White clover, Cross Country, 5008, AMS-26							

STANFORD SEED CO., Buffalo, N. Y.

E. W. Bailey & Co., Colebrook

Alaska clover, 3789

Corn, Cornell 29-3, A 43 LF

Hungarian millet, 5589

Japanese millet, 1063

Red clover, Medium, 5557

Sudan grass, Common, 3240

Timothy, 5519

Dover Grain Co., Dover

Timothy, 3378

Greenville Grain Co., Greenville

Alfalfa, Grimm, 3437

Hungarian millet, 5597

Japanese millet, 1062

Timothy, 3378

Merrimack Farmers' Exch., Inc., Bow

Hungarian millet, 1051

Japanese millet, 1049

Poa trivialis, 3540

Sudan grass, Common, 3240

Merrimack Farmers' Exch., Inc., Peterboro

Red clover, Medium, 5533

Merrimack Farmers' Exch., Inc., Plymouth

Brome grass, Southern, 3342

Ladino clover, 2123

Rye, Prolific, 3773

5586	S	L	98.75	.70	.25	.30	40
		F	99.90	S	S	S	S
5591	S	F	99.45	S	S	.10	98
		F	99.45	S	S	.22	80
5589	S	F	97.25	S	2.58	.17	73
		F	99.50	S	S	.27	80
5588	S	F	98.00	.13	.10	1.50	65
		F	99.70	.10	.05	.13	90
5587	S	F	99.62	.10	.11	.17	90
		F	99.55	S	.11	.34	80
5246	S	F	99.45	S	.33	.22	80
		F	97.74	S	1.72	.54	80
5247	S	F	99.62	.10	.11	.17	90
		F	99.34	S	.24	.42	80
5409	S	F	97.98	S	1.90	.12	76
		F	94.40	.30	.20	5.10	88
5403	S	F	98.00	.40	.10	1.50	85
		F	99.25	.50	.15	.10	80
5279	S	F	86.92	.28	.18	12.62	90
		F	99.92	.02	.02	.04	82.5
5659	S	F	99.30	.10	S	.40	85
		F	99.30	S	S	S	S

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***Retail store labeling its own seed.

Name and Address of Wholesaler
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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)	(Note)
STANFORD SEED CO., Buffalo, N. Y. (continued)							
Merrimack Farmers' Exch., Inc., Woodsville							
Brome grass, Southern, 3342							
5467	S	L 86.92 F	.28 S	.18 S	12.62 S	90 S	
Wirthmore Feed Co., Nashua							
Buckwheat, Silverhull, 5646							
5240	S	L 99.75 F	.05 S	.05 S	.15 S	85 S	
5241	S	L 97.74 F	S	1.72 S	.54 S	80 S	
5238	S	L 99.25 F	.25 S	.13 S	.35 S	80 S	
5239	S	L 98.00 F	.40 S	.10 S	1.50 S	85 S	
5237	S	L 99.60 F	.20 S	.15 S	.05 S	90 S	
Timothy, 5490							
WHITNEY SEED CO., INC., Buffalo, N. Y.							
Dodge Grain Co., Salem Depot							
Lawn Seed, Pan-American, PA 355:							
5350	S	L 29.70 L 28.25 L 18.00 L 9.50 L 9.80 L 1.00 L 95.00 F	S	.30 S	3.45 S	90 S 85 S 75 S 80 S 85 S 65 S 80 S	
Ryegrass, Common							
Red fescue							
Kentucky bluegrass							
Poa trivialis							
Highland bentgrass							
Kent wild white clover							
White clover, 2155							
5349	S	L 95.00 F	3.90 S	.35 S	.75 S	80 S	
Farmers Feed & Supply Co., Colebrook							
Alsike clover, 1567							
5570	S	L 98.70 F	1.00 S	.15 S	.15 S	75 S	
Farmers Feed & Supply Co., Haverhill							
Alsike clover, 1567							
5418	S	L 98.70 F	1.00 S	.15 S	.15 S	75 S	
5421	S	L 99.50 F	S	S	.50 S	90 S	
5422	S	L 99.75 F	S	S	.25 S	90 S	
Corn, Cornell M-1, 71362							

WHITNEY SEED CO., INC., Buffalo, N. Y.
(continued)
Farmers Feed & Supply Co., Haverhill (con-
tinued)

Ladino clover, 56 L 59	S	L	99.35		.45	.10	80
Red clover, Medium, 50654	S	F	.46		.02	.16	80
Redtop, 40552	S	F	.80		1.00	6.00	85
Timothy, 1237	S	F	88.57		.05	.15	90
		F	99.75				S
Farmers Feed & Supply Co., Lancaster							
Brome grass, Lincoln, 3824	S	L	88.30	.16	.10	11.44	85
		F					S
R. N. Johnson & Sons, Walpole							
Alfalfa, Ramger, 2147	S	L	99.88		.02	.10	90
Alsike clover, 1570	S	F	99.10	.80	.05	.05	70
Birdsfoot trefoil, Empire, 5977	S	F	98.35	1.50	.10	.05	57
Brome grass, Lincoln, 3825	S	F	89.52	.12	.48	10.18	80
Ladino clover, 56 L 89	S	F	99.90		.05	.05	80
Red clover, Medium, 50667	S	F	99.78		.08	.14	88
Redtop, 40568	S	F	94.80	.80	.60	3.80	85
Sudan grass, Piper, 3067	S	F	99.42			.58	89
Timothy, 1225	S	F	99.60	.25	.10	.05	85
		F					S
J. J. Moreau Dept. Store, Manchester							
Lawn Seed, Colonial, 7135, AMS 33:	S	L			.35	5.67	
Kentucky bluegrass		F	20.40				80
Chewings fescue		F	19.60				80
Domestic ryegrass		F	17.64				57
Timothy		F	14.70				90
		L					80
		F					S

3 Canada thistle found in 50-grams
(Primary noxious weed).

Germination below guarantee.

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Name and Address of Wholesaler
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or Place Collected
Kind of Seed

WHITNEY SEED CO., INC., Buffalo, N. Y. (con-
tinued)
J. J. Moreau Dept. Store, Manchester, (con-
tinued)
Redtop

White clover

Presto Grain Co., Inc., Claremont

Alfalfa, Cert. Ranger, 2147

Corn, Cornell 29-3, 71393

Field peas, Canada, 65 x 86

Hungarian millet, 48545

Japanese millet, 46383

Red clover, Medium, 50667

Soybeans, Lincoln, 66476

Sweet clover, Yellow Blossom, 5554

J. G. Young Co., North Stratford

Corn, Cert. Wisconsin, 275, 71406

Hungarian millet, 46545

Soybeans, Black Wilson, 66475

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

Moulton, Goodwin & Hall, Portsmouth

Grass Seed Mixture, Green-up, 29-152:

Common ryegrass

Timothy

Kentucky 31 fescue

Red fescue

Redtop

Poa trivialis

White clover, 813-1512

Other
Crop
Seed

(Note)

Pure
Seed

(Note)

Sample
No.

Date
Tested*

(Note)

Weed
Seed

(Note)

Inert
Matter

(Note)

Germi-
nation

(Note)

Remarks

L 13.80

F S

L 7.84

F S

L 99.88

F S

L 99.50

F S

L 99.69

F S

L 98.94

F S

L 99.12

F S

L 99.78

F S

L 97.47

F S

L 99.50

F S

L 99.50

F S

L 98.94

F S

L 99.40

F S

L 44.10

F S

L 24.20

F S

L 9.70

F S

L 9.50

F S

L 2.40

F S

L 2.35

F S

L 98.90

F S

85

S

76

S

90

S

90

S

80

S

90

S

85

S

88

S

90

S

81

S

90

S

90

S

85

S

90

S

80

S

85

S

75

S

70

S

55

S

80

S

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

Grossman Company, Salem Depot									
Grass Seed & Organic Fertilizer Mixture, Mend-		5298	2-1954	L 23.20	.40	.48	69.12		Not tested within 9 months.
ad-Lawn, Lot MB-2-54.				F 11.12	S	S	S		
Kentucky bluegrass				F 4.90					75
Perennial ryegrass				F 3.65					S
Meadow fescue				F 2.31					S
Redtop				L 1.23					90
Highland bent				F 3.75†					90
Agrostis spp. (Redtop & Highland bent)									77

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New Hampshire Experiment Station

VEGETABLE SEED INSPECTION, 1955

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)					
ALLEN, STERLING & LOTHROP, Portland, Me.					
G. B. Currier & Co., West Stewartstown					
Beans, Dwarf Horticultural	5512	S	S		75
Beans, Burpee's Stringless Green Pod	5513	S	S		75
Beans, Dwarf Horticultural	5514	S	S		75
Beans, Pencil Pod Black Wax	5515	S	S		75
Beans, Kentucky Wonder Pole	5516	S	S		75
Beets, Detroit Dark Red	5522	S	S		65
Carrot, Danvers Half Long	5518	S	S		55
Corn, Marcross, C 13-6	5511	S	S		75
Cucumber, Highmoor	5523	S	68		80
Pumpkin, Small Sugar	5519	S	S		75
Rutabaga, American Purple Top	5521	S	S		75
Squash, Buttercup	5520	S	S		75
Swiss Chard, Lucullus	5517	S	S		65
I. G. Young Co., North Stratford					
Cucumber, Long Green	5569	S	S		80
Squash, Acorn	5567	S	52.5		75
Squash, Blue Hubbard	5568	S	S		75
ASSOCIATED SEED GROWERS, INC., Cambridge, N. Y.					
W. R. Barnett, I.G.A., Colebrook					
Lettuce, Prizehead	5510	S	S	80	80
Muskmelon, Hale's Best	5509	S	S	80	75
Onion, White Portugal or Silverskin	5402	S	S	75	70
Swiss Chard, Fordhook Giant	5508	S	S	65	65
Center Store, Inc., Contoocook					
Cabbage, Savoy Perfection Drumhead	5196	S	S	80	75
Carrot, Chanticleer	5195	S	S	55	55
Cauliflower, Early Snowball	5193	S	S	75	75
Lettuce, Black Seeded Simpson	5197	S	S	85	80
Pepper, Early Calwonder	5192	S	S	65	55
Radish, French Breakfast	5194	S	S	80	75
Tomato, Earliana	5191	S	S	75	75
Turnip, Purple Top White Globe	5198	S	S	80	80
Dodge Grain Co., Salem Depot					
Carrot, Chanticleer	5347	S	S	55	55
Carrot, Long Orange Improved	5348	S	S	55	55
Cucumber, National Assoc. Pickling	5344	S	S	80	80
Cucumber, Model Pickling	5345	S	S	80	80
Endive, Full Heart Batavian	5343	S	S	70	70
Radish, Rice's Improved Scarlet Globe	5346	S	S	80	75
Farmers Feed & Supply Co., Colebrook					
Beans, Kentucky Wonder Pole	5574	S	S	80	75
ASSOCIATED SEED GROWERS, INC., Milford, Conn.					
Moulton, Goodwin & Hall, Portsmouth					
Peas, Laxtonian	5162	S	S	90	80
Peas, Laxton's Progress	5163	S	S	90	80
Peas, World's Record	5164	S	S	87	80
ASSOCIATED SEED GROWERS, INC., New Haven, Conn.					
Farmers Feed & Supply Co., Berlin					
Beans, Burpee's Stringless Green Pod	5547	S	S	90	75
Peas, Gradus, Lot 1344	5548	S	S	85	80
Peas, Laxtonian, Lot 26004	5549	S	S	85	80
Farmers Feed & Supply Co., Colebrook					
Carrot, Danvers Half Long, 63423	5577	S	79†	90	55
Rutabaga, Am. Purple Top, 60526	5575	S	S	90	75
Spinach, Bloomsdale Long Standing, 1713	5576	S	S	80	60

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ASSOCIATED SEED GROWERS, INC., New Haven, Conn. (continued)			(Note)		
Farmers Feed & Supply Co., Lancaster Carrot, Imperator, 67048	5551	S	S	78	55
Farmers Feed & Supply Co., Lebanon					
Beans, Burpee's Stringless Green Pod	5302	S	S	90	75
Beans, Imp. Golden Wax, 80781	5303	S	S	85	75
Beans, Pencil Pod Black Wax, 16194	5308	S	S	85	75
Beet, Detroit Dark Red, 17037	5306	S	S	90	65
Carrot, Danvers Half Long, 63423	5307	S	S	90	55
Corn, Golden Cross Bantam, 34480	5304	S	S	90	75
Corn, Golden Sunshine, 13544	5305	S	S	90	75
Peas, Blue Bantam, 27045	5299	S	S	85	80
Peas, Dwarf Telephone, 17026	5300	S	S	85	80
Peas, World's Record, 13445 D	5301	S	S	85	80
BRECK'S, Boston, Mass.					
Moulton, Goodwin & Hall, Portsmouth					
Cucumber, Straight Eight, 5872	5152	S	S	80	80
Dandelion, Italian Ciccoria Catalogna	5151	S	S	65	65
Turnip, Purple Top White Globe, 7335	5155	S	S	80	80
W. ATLEE BURPEE, Philadelphia, Pa.					
Spencer Hardware Co., Keene					
Cabbage, Burpee's Copenhagen Market	5190	S	S	80	75
Carrot, Chantenay	5186	S	S	65	55
Endive, Broad-leaved Batavian	5184	S	S	80	70
Lettuce, Grand Rapids	5188	S	S	80	80
Onion, Southport Yellow Globe	5183	S	S	75	70
Tomato, Burpee Hybrid	5187	S	S	80	75
Laconia State School, Laconia					
Swiss Chard, Burpee's Fordhook Giant	5131	None	S		65
CROSMAN SEED CORP., East Rochester, N. Y.					
Montgomery Ward Co., Claremont					
Beans, Brittle Wax	5327	S	S	85	75
Beet, Detroit Perfected	5334	S	S	85	65
Carrot, Nantes	5326	S	S	75	55
Corn, Golden Bantam	5328	S	S	85	75
Cucumber, Ohio Mosaic Resistant	5329	S	S	90	80
Muskmelon, Iroquois	5333	S	S	85	75
Onion, Danvers Yellow Globe	5330	S	S	80	70
Peas, Thomas Laxton	5325	S	S	85	80
Radish, Cherry Belle	5331	S	S	90	75
Tomato, Marglobe	5332	S	S	85	75
EASTERN STATES FARMERS' EXCH., Inc., West Springfield, Mass.					
Eastern States Farmers' Exch., Inc., Claremont					
Brussels Sprouts, Catskill, V983 214	5625	S	S	75	70
Rutabaga, Albergur, V722 996	5627	S	S	85	75
Salsify, Mammoth Sandwich Island, V180 813	5628	S	S	80	75
Spinach, Long Standing Bloomsdale, V878 884	5626	S	S	65	60
Eastern States Farmers' Exch., Inc., Dover					
Celery, Emerson Pascal, V726 384	5386	S	S	90	55
Celery, Tall Fordhook, V367 383	5387	S	S	85	55
Lettuce, Oak Leaf, V79 547	5388	S	S	90	80
Lettuce, Black Seeded Simpson, V144 544	5389	S	S	90	80
Lettuce, White Boston, V145 523	5390	S	S	85	80
Lettuce, Imperial, V945-2 515	5391	S	S	90	80
Lettuce, Great Lakes, V66 517	5392	S	S	90	80
Eastern States Farmers' Exch., Inc., Manchester					
Beans, Cherokee, V835 49	5430	S	S	90	75
Corn, Gold Mine, V141 439	5449	S	S	90	75
Corn, Butter & Sugar, V297A 427	5450	S	S	90	75
Cucumber, Ohio MR 17 Pickling, V952 404	5452	S	S	90	80
Cucumber, Straight 8, V162 412	5453	S	S	85	80
Cucumber, Marketer, V163A 414	5454	S	S	85	80
Lettuce, Imperial, V4 519	5455	S	S	90	80
Lettuce, White Boston, V145 523	5456	S	S	85	80
Peas, Freezonian, V119-2, 682	5451	S	S	90	80
Pepper, Early Calwonder, V223 738	5457	S	74†	90	55
Radish, Early Scarlet Globe, V205 823	5458	S	S	95	75
Radish, Cavalier, V127 825	5459	S	S	90	75
Radish, White Icicle, V80 846	5460	S	S	90	75
Tomato, Pennheart, V749 1 914	5461	S	S	95	75

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EASTERN STATES FARMERS' EXCH., INC., West Springfield, Mass. (continued)			(Note)		
Eastern States Farmers' Exch., Inc., Woodsville					
Beans, Long Podded Horticultural, V37 A 64	5440	S	64	75	75
Beans, Wade, V813 31	5441	S	S	75	75
Beans, Kentucky Wonder, V117 A 76	5442	S	S	75	75
Beans, Pencil Pod Wax, V124-1 45	5443	S	S	85	75
Cabbage, Golden Acre, V965 232	5444	S	S	90	75
Eggplant, N. H. Hybrid, V204 A 462	5446	S	S	80	60
Kohlrabi, White Vienna, V166 493	5447	S	S	95	75
Lima beans, Fordhook 242, V102-1-105	5439	S	53	75	70
Rutabaga, Bristol White, V616-1 994	5448	S	S	90	75
Squash, Green Delicious, V13 794	5470	S	S	90	75
Tomato, Cavalier, V89-1 915	5445	S	S	90	75
Laconia State School, Laconia					
Beans, Tekoa, V2541	5128	S	S	85	75
Beet, Perfected Detroit, V95 146	5130	S	S	85	65
Cabbage, Oak View Baldhead	5609	S	S	90	75
Cabbage, Golden Acre, V151 232	5129	S	S	90	75
Corn, Golden Cross Bantam, V301 1A 448	5125	S	S	80	75
Parsnip, Model, V237 643	5127	S	S	90	60
Peas, Progress No. 9, Wrinkled, V217 689	5126	S	S	80	80
Squash, Blue Hubbard, V924 797	5124	S	S	90	75
N. H. State Prison Farm, Concord					
Pepper, Early Giant, V283 732	5133	S	S	85	55
Squash, Early Prolific Straightneck, V335 782	5134	S	S	90	75
Tomato, Eastern States F-1, V58 A 936	5132	S	S	80	75
FERRY-MORSE SEED CO., Detroit, Mich.					
Ayers & Jenkins Co., Rochester					
Carrot, Danvers Half Long	5676	S	S	80	55
Endive, Full Heart Batavian	5667	S	S	80	70
Lettuce, Grand Rapids	5668	S	S	85	80
Lettuce, Oak Leaf	5669	S	S	80	80
Radish, Early Scarlet Turnip Wh. Tipped	5665	S	S	85	75
Radish, Icicle	5666	S	S	90	75
Curtis Hardware Co., Berlin					
Beet, Detroit Dark Red	5555	S	S	80	65
Cabbage, Copenhagen Market	5552	S	S	85	75
Carrot, Danvers Half Long	5562	S	S	80	55
Chinese Cabbage, Michihli	5556	S	S	90	75
Cucumber, Straight Eight	5561	S	S	80	80
Endive, Large Green Curled	5560	S	S	80	70
Lettuce, Oak Leaf	5559	S	S	80	80
Onion, Southport Red Globe	5557	S	S	70	70
Parsley, Hamburg Thick Rooted	5558	S	S	65	60
Radish, Early Scarlet Globe	5554	S	S	85	75
Rutabaga, American Purple Top	5553	S	S	85	75
Tomato, Bonny Best	5563	S	S	75	75
Elm City Grain Co., Keene					
Beans, Golden Wax Bush Topnotch	5176	S	S	75	75
Beans, Stringless Green Pod	5177	S	S	75	75
Beans, Tendergreen, Green Pod	5182	S	S	75	75
Beans, Kentucky Wonder	5178	S	S	80	75
Corn, Hybrid Foremost Y-1	5179	S	S	80	75
Corn, Golden Bantam	5180	S	S	75	75
Peas, Little Marvel	5181	S	S	80	80
J. J. Newberry Co., Portsmouth					
Beet, Detroit Dark Red	5169	S	S	75	65
Carrot, Red Cored Chantenay	5167	S	S	80	55
Carrot, Danvers Half Long	5168	S	S	85	55
Cucumber, Early White Spine	5170	S	S	85	80
Onion, Sweet Spanish	5171	S	S	85	70
Parsnip, Hollow Crown	5172	S	S	80	60
Radish, Early Scarlet Globe	5173	S	S	90	75
Spinach, Giant Thick Leaved	5174	S	S	75	60

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CHAS. C. HART SEED CO., Wethersfield, Conn.			(Note)		
Depor Stores, Littleton					
Beans, Pencil Pod Black Wax	5421	S	S	85	75
Beans, Long Pod Dwarf Horticultural	5425	S	S	85	75
Corn, Hybrid Spancross, 8 x 13	5426	S	S	85	75
Corn, Early Golden Bantam	5428	S	S	85	75
Corn, Early Golden Sunshine	5429	S	S	85	75
Peas, Thomas Laxton	5423	S	S	85	80
Peas, Tall Telephone	5427	S	S	85	80
Rand, Ball & King Co., Claremont					
Beans, Boston Favorite	5646	S	S	85	75
Beans, Pencil Pod Black Wax	5647	S	S	85	75
Beans, Yellow Eye	5648	S	S	85	75
Beans, Dwarf Green Pod	5649	S	S	85	75
Carrot, Danvers Half Long	5642	None	S	55	55
Corn, Early Golden Bantam	5650	S	S	85	75
Corn, Spancross	5651	S	S	85	75
Corn, Stowell's Evergreen	5652	S	S	85	75
Parsnip, Hollow Crown	5643	S	29	75	60
Spinach, Savoy	5645	S	S	75	60
Peas, Thomas Laxton	5654	S	S	85	80
Peas, Nott's Excelsior	5655	S	S	85	80
Peas, Blue Bantam	5656	S	S	85	80
Peas, Tall Telephone	5657	S	S	85	80
Swiss Chard, Lucullus	5644	S	S	70	65
Sunshine Feed Store, Manchester					
Beans, Dwarf Shell	5415	S	S	85	75
Cucumber, Straight Eight	5413	S	S	85	80
BUDD D. HAWKINS CO., Reading, Vt.					
Follansbee Feed Store, Lebanon					
Beans, Stringless Green Pod	5374	S	S	75	75
Beet, Early Wonder	5371	S	S	65	65
Beet, Early Blood Turnip	5373	S	S	65	65
Carrot, Nantes Coreless	5370	S	S	55	55
Carrot, Danvers Half Long	5372	S	S	55	55
Corn, Golden Bantam	5375	S	S	75	75
Cucumber, Straight Eight	5366	S	S	80	80
Lettuce, Early Curled Simpson	5367	S	S	80	80
Lettuce, Iceberg	5368	S	S	80	80
Parsley, Moss Curled	5369	S	S	60	60
Peas, Tall Telephone	5376	S	S	80	80
Tomato, Marglobe	5365	S	S	75	75
BILLY HEPLER SEED CO., Durham, N. H.					
Industrial School, Manchester					
Beet, Detroit Dark Red	5137	S	S		65
Cabbage, Danish Ballhead	5138	S	S		75
Carrot, Chantenay	5139	S	S		55
Corn, Golden Cross	5142	S	S		75
Cucumber, Straight Eight	5135	S	S		80
Spinach, America	5141	S	S		60
Squash, Golden Delicious	5141	S	S		75
Swiss Chard, Fordhook Giant	5136	S	S		65
F. B. Spaulding Co., Lancaster					
Muskmelon, Granite State	5525	S	S	80	75
Tomato, N. H. Victor	5524	S	S	75	75
Watermelon, N. H. Midget	5526	S	S	80	70
MERRIMACK FARMERS' EXCH., INC., Concord					
Merrimack Farmers' Exch., Inc., Bradford					
Cabbage, Long Island Savoy	5189	S	S		75
Cabbage, Red Acre	5218	S	S		75
Celery, Summer Pascal	5175	S	S		55
Corn, Golden Bantam, 30-3-C	5219	S	S		75
Corn, Golden Cross Bantam, 39-3-C	5220	S	S		75

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MERRIMACK FARMERS' EXCH., INC., Concord			(Note)		
<i>(continued)</i>					
Merrimack Farmers' Exch., Inc., Claremont					
Beans, Contender, 06-3-A	5362	S	S		75
Beans, Cherokee Wax, 05-3-C	5364	S	S		75
Beans, Tenderlong, 19-3-C	5351	S	S		75
Beets, Detroit Dark Red, 58-3-D	5352	S	S		65
Broccoli, Early Calabrese, 00-3-D	5353	S	S		75
Cabbage, Danish Ballhead, 104-3-C	5354	S	S		75
Carrots, Nantes Golden Beauty, 113-3-C	5355	S	S		55
Corn, Victory Golden, 42-3-D	5356	S	S		75
Corn, Northland, 34-L-D	5357	S	S		75
Corn, Golden Crown, 35-2-C	5358	S	S		75
Cucumber, Marketer, 121-3-D	5359	S	S		80
Lettuce, Great Lakes, 133-3-C	5360	S	S		80
Radishes, Cherry Belle, 149-3-C	5361	S	S		75
Merrimack Farmers' Exch., Inc., Concord					
Lima Beans, Fordhook Bush 242, Lot 083 D	5233	S	S		70
Merrimack Farmers' Exch., Inc., Epping					
Beans, Goddard Bush Shell, 11JC	5296	S	S		75
Beans, Pencil Pod Black Wax, 013C	5297	S	S		75
Merrimack Farmers' Exch., Inc., Manchester					
Corn, High Quality Seneca "60", 36-2-D	5204	S	S		75
Corn, Golden Cross Bantam, 39-3-D	5205	S	S		75
Corn, Top Cross Maine Bantam, 45-3-C	5206	S	S		75
Corn, Merrimack Hybrid, 44-L-D	5207	S	S		75
Peas, Gradus, 533A	5208	S	S		80
Peas, Merrimack Improved Telephone, 543C	5209	S	S		80
Peas, Freezonian, 563-C	5210	S	S		80
Peas, Dwarf Telephone, 553-C	5211	S	S		80
Peas, Little Marvel, 523-D	5212	S	S		80
Peas, World's Record, 46-FC	5213	S	S		80
Peas, Sutton's Excelsior, 513-C	5214	S	S		80
Peas, Laxtonian, 503-C	5215	S	S		80
Peas, Laxton's Progress, 483-C	5216	S	S		80
Peas, Woodruff's Topper, 473-C	5217	S	S		80
Merrimack Farmers' Exch., Inc., Milford					
Lettuce, A-36, 137-3-C	5270	S	S		80
Lettuce, Oak Leaf, 136-3-C	5271	S	S		80
Lettuce, Imperial 44, 135-3-C	5272	S	S		80
Lettuce, Penn Lake, 134-3-C	5273	S	S		80
Lettuce, Great Lakes, 133-3-C	5274	S	S		80
Squash, Early Yellow Crookneck, 166-3-D	5275	S	S		75
Squash, Green Delicious, 164-3-C	5276	S	S		75
Squash, Early Prolific Straightneck, 165-3-C	5277	S	S		75
Squash, Table Queen, 168-3-C	5278	S	S		75
Merrimack Farmers' Exch., Inc., Peterboro					
Beets, Detroit Dark Red, 53-3-D	5251	S	S		65
Beets, Winter Keeper, 60-3-D	5250	S	S		65
Beets, Crosby Egyptian, 57-3-C	5252	S	S		65
Beets, Early Wonder, 59-3-C	5257	S	S		65
Cauliflower, Early Snowball, 114-3-C	5253	S	S		75
Cucumber, National Pickling, 122-3-C	5255	S	S		80
Cucumber, Marketer, 121-3-D	5256	S	S		80
Rutabaga Turnip, Am. Imp. Yellow, 175-3-C	5254	S	S		75
Merrimack Farmers' Exch., Inc., Woodsville					
Brussels Sprouts, Long Island Improved	5498	S	S		70
Chinese Cabbage, Michibli	5493	S	S		75
Cabbage, Red Acre	5496	S	S		75
Cucumber, Marketer, 121-3-D	5491	S	S		80
Kale, Blue Scotch	5495	S	S		75
Kohl Rabi, Early White Vienna	5497	S	S		75
Parsley, Moss Curled	5494	S	S		60
Squash, Golden Delicious	5492	S	S		75
Watermelon, Merrimack Sweetheart, 177-0-C	5489	S	S		70
Watermelon, Imp. White Mountain, 178-0-C	5490	S	S		70

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MERRIMACK FARMERS' EXCH., INC., Concord (continued)			(Note)		
N. H. State Hospital, Concord					
Beet, Spinach or Perpetual (Burpee) 5305	5145	S	55	73	65
Cabbage, Danish Ballhead	5143	S	S		75
Carrots, Chantenay, 108-3-D	5144	S	S		55
Corn, Sweet Marcross, 373-D	5146	S	S		75
Cucumber, Marketer	5148	S	S		80
Parsnip, Hollow Crown, 145-E-D	5147	S	S		60
Squash, Blue Hubbard, 159-3-D	5149	S	S		75
Squash, Green Delicious, 164-3-D	5150	S	S		75
J. J. MOREAU DEPT. STORE, Manchester***					
J. J. Moreau Dept. Store, Manchester					
Beans, French Horticultural	5285	S	S	85	75
Beans, Burpee's Stringless Green Pod	5286	S	S	90	75
Beans, Kentucky Wonder	5287	S	S	87	75
Beets, Detroit Dark Red	5288	S	S	90	65
Beans, Pencil Pod Black Wax	5292	S	S	90	75
Carrot, Danvers Half Long	5291	S	S	75	55
Corn, Golden Sunshine	5282	S	S	88	75
Corn, Marcross Hybrid	5283	S	S	85	75
Corn, Golden Bantam	5284	S	S	85	75
Cucumber, Imp. Long Green	5290	S	S	90	80
Peas, Dwarf Telephone	5293	S	S	90	80
Peas, Improved Telephone	5294	S	S	90	80
Peas, Thomas Laxton	5295	S	S	90	80
Radish, Early Scarlet Globe	5289	S	S	90	75
MOULTON, GOODWIN & HALL, Portsmouth***					
Moulton, Goodwin & Hall, Portsmouth					
Beet, Crosby's Egyptian	5161	S	67†	87	65
Cabbage, Golden Acre	5159	S	S	83	75
Endive, Green Curled	5158	S	S	78	70
Parsnip, Hollow Crown	5157	S	S	90	60
NORTHROP, KING & CO., Minneapolis, Minn.					
Moulton, Goodwin & Hall, Portsmouth					
Lettuce, Big Boston, 232	5156	S	S	80	80
Onion, Early Yellow Globe, 349	5153	S	S	70	70
Radish, Early Scarlet Globe, 463	5154	S	S	75	75
PAGE SEED CO., Greene, N. Y.					
E. W. Bailey & Co., Colebrook					
Beet, Crosby Egyptian	5597	S	S	80	65
Beet, Early Blood	5598	S	S	75	65
Carrot, Imperator	5595	S	S	75	55
Carrot, Danvers Half Long	5599	S	65†	80	55
Cucumber, Early White Spine	5600	S	S	85	80
Parsnip, Hollow Crown	5596	S	S	70	60
Peas, Imp'd Dark Pod Telephone, C2 9954	5592	S	S	85	80
Peas, Thomas Laxton	5593	S	S	88	80
Radish, Early Scarlet White Tip	5601	S	S	90	75
Tomato, Earliana	5594	S	S	75	75
Presto Grain Co., Inc., Claremont					
Beans, Improved Golden Wax	5637	S	S	80	75
Corn, Gold Rush	5638	S	S	85	75
Peas, Dark Podded Telephone	5639	S	S	80	80
Peas, World's Record	5640	S	S	85	80
Peas, Laxtonian	5641	S	S	85	80
Wirthmore Feed Co., Charlestown					
Beets, Crosby's Egyptian	5342	S	S	80	65
Carrot, Danvers Half Long	5339	S	S	80	55
Cucumber, Early White Spine	5338	S	S	85	80
Lettuce, Premier Great Lakes	5340	S	S	85	80
Parsley, Moss Curled	5337	S	S	75	60
Parsnip, Hollow Crown	5336	S	S	70	60
Turnip, Purple Top White Globe	5341	S	S	85	80

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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)					
J. B. RICE, JR., INC., Shushan, N. Y.					
Bridge Feed & Grain Co., Walpole					
Beet, Early Blood Turnip	5323	S	S	77	65
Beet, Detroit Dark Red	5324	S	S	80	65
Cabbage, Danish Ballhead	5320	S	S	80	75
Carrot, Danvers Half Long	5318	S	S	80	55
Onion, Danvers Yellow Globe	5319	S	71‡	80	70
Rutabaga, American Purple Top	5321	S	S	90	75
Turnip, Purple Top White Globe	5322	S	S	90	80
Emerson 5 and 10, Groveton					
Carrot, Danvers Half Long	5582	S	S	80	55
Carrot, Red Cored Chantenay	5583	S	70‡	85	55
Lettuce, Early Curled Simpson	5580	S	S	90	80
Pepper, California Wonder	5581	S	S	80	55
Radish, Early Scarlet Turnip	5584	S	S	85	75
SEARS, ROEBUCK & CO., Chicago, Ill.					
Sears, Roebuck & Co., Keene					
Beet, Early Wonder	5476	S	56.5	70	65
Carrot, Imperator	5482	S	S	55	55
Corn, Spaucross, C13.3	5471	S	S	85	75
Corn, Marcross, C13.6	5472	S	S	85	75
Corn, Topcross Maine Bantam	5473	S	S	85	75
Corn Calumet	5474	S	S	85	75
Kale, Dwarf Green Curled Scotch	5487	S	S	75	75
Kohlrabi, White Vienna	5484	S	S	80	75
Lettuce, Early Curled Simpson	5479	S	S	85	80
Lettuce, Black Seeded Simpson	5481	S	S	85	80
Muskmelon, Honey Rock, 4168	5480	S	S	80	75
Muskmelon, Honey Rock, 4168	5486	S	S	80	75
Parsnip, Hollow Crown	5485	S	S	65	60
Radish, White Icicle	5483	S	S	80	75
Spinach, Bloomsdale	5478	S	S	65	60
Squash, Green Hubbard	5477	S	S	80	75
Swiss Chard, Fordhook Giant	5475	S	S	65	65
F. B. SPAULDING & CO., Lancaster***					
F. B. Spaulding & Co., Lancaster					
Beans, Dwarf Horticultural	5529	S	S	85	75
Beans, Pencil Pod Black Wax	5533	S	S	85	75
Corn, Early Golden Bantam	5528	S	S	85	75
Corn, Golden Midget	5530	S	S	85	75
Corn, Early Golden Sunshine	5536	S	S	85	75
Peas, Thomas Laxton	5527	S	S	85	80
Peas, Peter Pan	5531	S	S	85	80
Peas, Tall Telephone	5532	S	S	85	80
Peas, Freezoman	5534	S	S	85	80
Peas, Laxton's Progress	5535	S	S	85	80
WOODRUFF'S TRIPLE "T" SEEDS, INC.,					
Wethersfield, Conn.					
Checkerboard Feed Store, Manchester					
Carrot, Danvers Half Long	5227	S	S	55	55
Carrot, Chantenay Red Cored	5228	S	S	55	55
Endive, Green Curled	5232	None	S	70	70
Parsnip, Hollow Crown	5231	S	S	60	60
Radish, Cherry Belle	5222	S	S	75	75
Radish, Early White Tipped Scarlet	5230	None	S	75	75
Northern Hardware, Littleton					
Carrot, Danvers Half Long	5503	S	S	55	55
Cucumber, Boston Pickling	5501	S	S	80	80
F. H. WOODRUFF & SONS, INC., Milford, Conn.					
Beacon Grain Store, Dover					
Corn, Golden Bantam	5604	S	S	87	75
Corn, Golden Sunshine	5605	S	S	88	75
Corn, Marcross	5606	S	S	90	75
Peas, Thomas Laxton	5603	S	S	85	80

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			Found	Guaran- teed**	N. H. Standard
(Note)					
F. H. WOODRUFF & SONS, INC., Milford, Conn.					
(continued)					
Merrimack Farmers' Exch., Inc., Concord					
Beans, Tenderlong, 0640 C	5099	S	S	90	75
Beans, Bupee's Stringless Green Pod, 0612C	5100	S	S	90	75
Beans, Pencil Pod Black Wax	5101	S	S	87	75
Beans, Dwarf Horticultural, 15222	5102	S	S	90	75
Beans, Brittle Wax, 06305	5103	S	S	90	75
Beans, Cherokee Wax, 06202 C	5104	S	S	87	75
Beans, Bountiful, 06151 C	5105	S	S	90	75
Beans, Kentucky Wonder, 1-6190 C	5115	S	S	90	75
Beans, French Horticultural, 46702	5116	S	S	90	75
Beet, Detroit Dark Red, 1-61	5118	S	70†	86	65
Cabbage, Special Long Island Savoy, 9-416	5119	S	S	90	75
Cabbage, Chinese Michihli, 9-279	5120	S	S	90	75
Carrot, Nantes Half Long, 1-629	5121	S	S	84	55
Corn, Carmelcross, 45876	5114	S	S	90	75
Parship, Hollow Crown, 9-538	5122	S	S	80	60
Peas, Dwarf Telephone, 1-641	5106	S	S	90	80
Peas, Laxtonian, 45105	5107	S	S	86	80
Peas, Laxton's Progress, 0-68	5108	S	S	86	80
Peas, Little Marvel	5109	S	S	90	80
Peas, Improved Telephone, 45110	5110	S	S	80	80
Peas, Thomas Laxton, 45075	5111	S	S	86	80
Peas, World's Record, 42747	5112	S	S	90	80
Peas, Frezonian, 1530	5113	S	S	90	80
Tomato, Certified Bonny Best, 7-618-2C	5123	S	S	90	75
S. D. WOODRUFF & SONS, INC., Orange, Conn.					
Checkerboard Feed Store, Manchester					
Cabbage, Drumhead Savoy	5225	S	S	75	75
Cabbage, Copenhagen Market	5226	S	S	75	75
Carrot, Tendersweet	5224	S	S	55	55
Onion, Danvers Yellow Globe	5223	S	58	70	70
Parsley, Long Rooted Hamburg	5229	S	S	60	60
Northern Hardware, Littleton					
Beet, Crosby's Egyptian	5500	S	S	65	65
Cabbage, Flat Dutch	5504	S	S	75	75
Cabbage, Mammoth Red Rock	5507	S	S	75	75
Cucumber, Marketer	5499	S	S	80	80
Lettuce, Iceberg	5502	S	S	80	80
Muskmelon, Bender's Surprise	5505	S	S	75	75
Parsley, Moss Curled	5506	S	S	60	60

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