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### Results of seed tests for 1941, Bulletin, no. 334

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New Hampshire Agricultural Experiment Station

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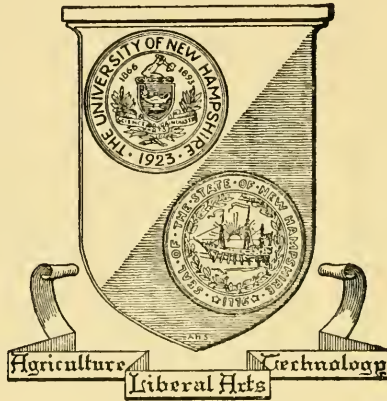
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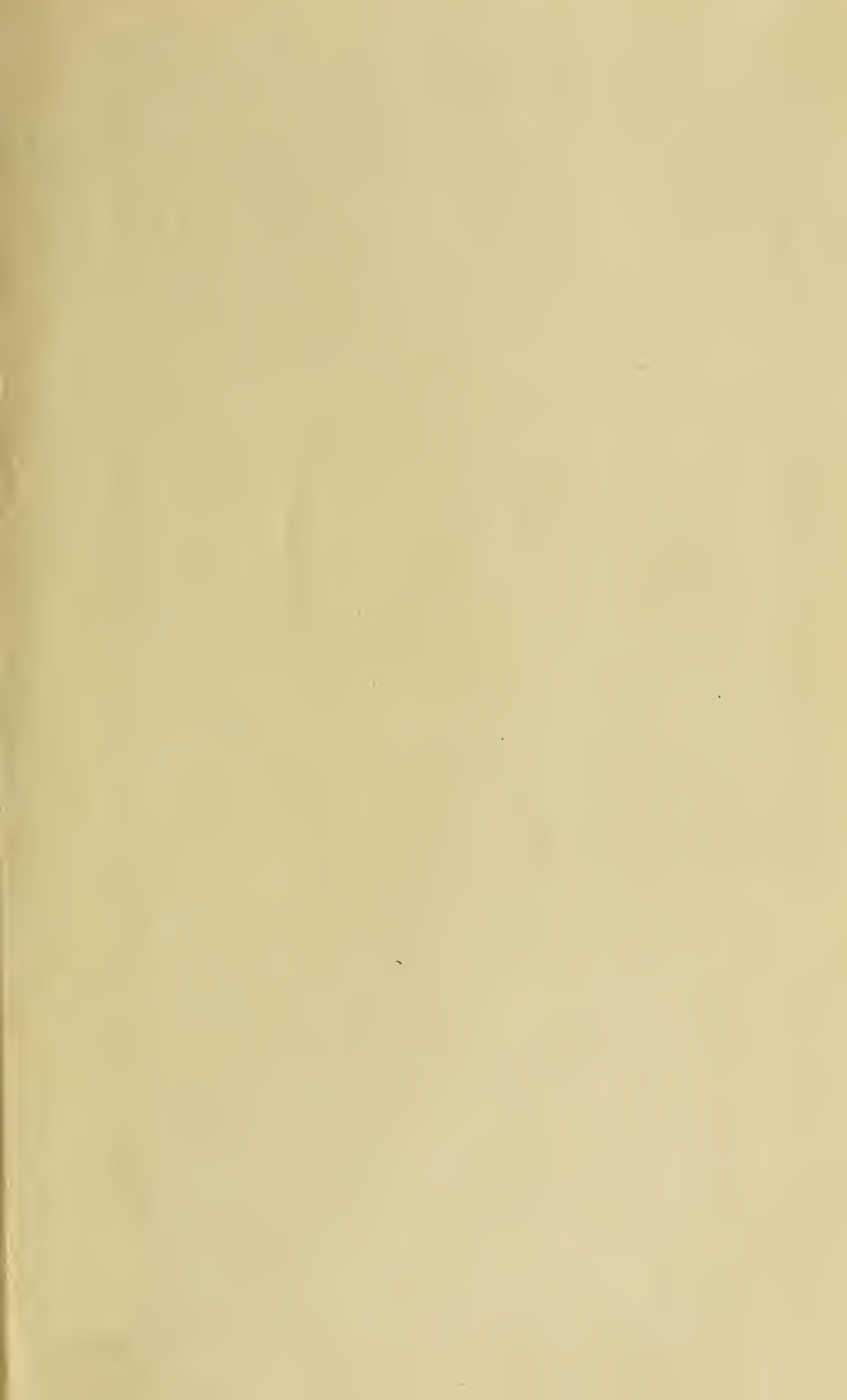
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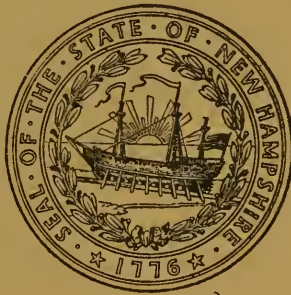
NEW HAMPSHIRE  
AGRICULTURAL EXPERIMENT STATION

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# Results of Seed Tests for 1941

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.



## RESULTS OF SEED TESTS

Made July 1, 1940, to June 30, 1941

This report contains the results of the inspection for the State Department of Agriculture of four hundred and sixteen official samples collected throughout the State during the period from July 1, 1940, to June 30, 1941. Each of these samples was analyzed and the results were mailed to the retail dealers concerned. In addition to these official samples, one hundred and fifty-eight private samples were analyzed, making a total of five hundred and seventy-four samples inspected.\*

### Comparison of Seeds for Ten Years

	<i>Number of Samples Tested</i>	<i>Below in Purity</i>		<i>Below in Germination</i>	
		<i>Number</i>	<i>Per Cent</i>	<i>Number</i>	<i>Per cent</i>
1932	357	23	6.4	46	12.8
1933	384	30	7.8	37	9.6
1934	412	22	5.3	62	15.0
1935	391	28	7.1	74	18.9
1936	430	34	7.9	84	19.5
1937	439	31	7.0	70	15.9
1938	392	60	15.0	75	19.1
1939	426	32	7.5	100	23.5
1940	408	33	8.0	66	16.1
1941	416	29	6.9	46	11.0

### FREE TESTING OF SEEDS

Because of the increasingly large number of "private samples" sent to the laboratory for testing during recent years and because there are no specific funds or appropriations available to finance this particular type of service, we have been forced to put some limit on free testing for individuals and organizations.

For the present, the Seed Testing Laboratory will allow six free tests, in a given year, to any resident organization or citizen of New Hampshire. These seeds must be received in the laboratory during the months of *January* or *February*. This number of samples, not including mixtures, may be analyzed either for purity or for germination, or three samples for both purity and germination, free of charge. For numbers in excess of six, a charge will be made for labor and consumable supplies only, the cost depending on the type of sample, according to the following schedule:

Germination tests of all crop seeds, including timothy grass, clovers and alfalfa, 25 cents each;

Germination tests of all grasses except timothy, 50 cents each;

Germination tests of mixtures, 25 cents for each kind of seed present.

\*Miss Beatrice Sanborn and Miss Florence Bauckman assisted with the purity and germination tests herein reported. For their services the writer wishes to express grateful acknowledgment.



Purity analyses of cereals, like corn and oats, 50 cents each ;  
and of timothy grass, 75 cents each ;

Purity analyses of all other kinds of crop seeds, except grasses,  
75 cents each ;

Purity analyses of the smaller grass seeds and of all mixtures of  
not more than two kinds of agricultural seeds, \$1.00 each ;

All purity analyses of special 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 \$1.25.

On account of "official" work, which begins in earnest the first of March  
and taxes all our resources, private samples either for free testing or  
otherwise cannot be handled later than February.

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, Nesmith Hall, Durham,  
New Hampshire. Directions for sampling may be obtained from the  
laboratory on request. Fees must be received before laboratory reports  
will be sent out. A given seed company will be entitled to six private  
tests without charge, not six from each branch store. Such private tests  
cannot be declared as state "official tests" unless drawn by a representative  
of the department of agriculture, as provided in Chapter 182 of the  
Public Laws.

# N. H. EXPERIMENT STATION SEED INSPECTION, 1941

Name and Address of Dealer	Sample No.	Kind of Seed	Date Tested*	Purity		Germination	
				Found	Guaran- teed	Found	Guaran- teed
Ayers & Jenkins Co., Rochester	12077	Alsike Clover, 2553	1941	S	98.10	S	74
	12076	Red Clover, Medium	.....	S	98.34	S	88
	12078	Redtop, Fancy, 3324	.....	S	92.20	S	90
	12079	Timothy, Liberty, 5658	1941	S	99.60	S	90
R. J. Barbin & Co., Berlin	12236	Alsike Clover, 8806	1941	S	98.17	S	71
	12235	Hungarian Millet, 8375	.....	S	98.38	S	95
	12234	Japanese Millet, JA 41	1941	S	97.63	74.5	81
	12233	Red Clover, 8619	1940	S	99.25	S	85
	12237	Redtop, Fancy, 8325	.....	S	93.00	S	92
	12238	Timothy, Pine Tree, 66928	1941	S	99.60	S	90
	12239	Timothy, 8169	.....	S	99.60	S	90
	12249	Timothy, Arco, 10-301	.....	S	99.60	S	90
J. P. Boucher & Son, Groveton	12242	Millet, Hungarian, 5770	1940	S	99	S	85
	12245	Millet, Japanese, 5737	1940	S	98	S	88
	12244	Redtop, Ace, Fancy, 041513	1940	S	92.30	S	93
	12161	Timothy, Pan American, 756	1940	S	99.61	S	90
V. H. Cassidy, Londonderry	12083	Alsike Clover, Ace, 21378	1939	A	95.05	S	80
	12084	Red Clover, Ace, Medium, 84451	1940	S	98.34	S	88
	12085	Redtop, Fancy, 41720	1940	S	95.10	S	91
	12115	Alsike Clover, Imperator, 1594	1940	S	96.10	S	80
Central Garage & Supply Co., Tilton	12113	Oats, Victory	1941	S	96.50	S	95
	12114	Red Clover, Imperator, 5925	1941	S	98.08	S	85
	12112	Timothy, Imperator, 781	1941	A	99.35	S	85
	12111	Timothy, Arco, 10-295	1941	S	99.60	S	90
Chase Grain Mill, Plymouth	12160	Alsike Clover, Liberty, 2853	1941	S	98.10	S	74
	12166	Millet, Hungarian, 5838	1941	S	98.40	S	87
	12165	Millet, Japanese, 5447	.....	97.24	98	S	90
	12164	Red Clover, Liberty, Medium, 3037	1941	S	99.52	S	84
	12163	Redtop, Fancy, 2262	1941	S	96.00	S	90
	12162	Timothy, Liberty, 5684	1941	S	99.80	S	90

SEED INSPECTION, 1941—Continued

Name and Address of Dealer	Sample No.	Kind of Seed	Date Tested*	Purity		Germination	
				Found	Guaran- teed	Found	Guaran- teed
Checkerboard Feed Store, Concord	12109	Red Clover, Medium, 2430	1939	S	99.32	S	84
	12108	Redtop, 41588	1939	S	92.10	S	90
	12039	Millet, Hungarian, 9089	1940	S	98.85	S	80
	12053	Oats, No. 1, Victory, 44-46 XX	1941	S	98.80	S	95
	12038	Red Clover, Pan American, Medium, 5941	1940	S	99.52	S	92
Checkerboard Feed Store, Lebanon	12050	Timothy, Pine Tree, 66900	1941	S	99.65	S	92
	12250	Oats, No. 4, Victory, 44-46	1941	S	98.84	S	91
	12080	Peas, Canada Field, 085384	1941	S	99.50	S	93
Checkerboard Feed Store, Manchester	12158	Redtop, Fancy, 4317	1940	S	92.31	S	90
Checkerboard Feed Store, Meredith	12090	Redtop, Fancy, Pine Tree, 41836	1941	S	95.50	S	91
	12091	Soybeans, Manchou, 84423	1941	S	99.50	S	85
Checkerboard Feed Store, Milford	12008	Alfalfa, Fancy Grade, Grimm, B 2121	1941	S	99.50	A	60
	12021	Alsike Clover, Pan American, 1577	1940	S	99.10	S	78
	12005	Oats, No. 2, Victory, 44-46 XX	1941	S	99.20	S	95
	12018	Red Clover	1940	S	99.50	S	86
	12023	Redtop, Fancy	1941	A	92.30	S	90
	12019	Sudan Grass, 9712	1939	S	98.18	S	90
	12017	Timothy, 1728	1940	A	99.50	S	90
Cheshire County Farmers Exch., Inc Keene	12303	Alsike Clover, 21781	1941	A	93.50	S	81
	12305	Red Clover, N. 1688	1941	S	96.20	S	93
	12306	Redtop, O41559, XX	1941	S	86.00	S	90
	12304	Timothy, Special, 6630	1941	S	97.85	S	88
Cheshire County Grain Company, Keene	12314	Millet, Hungarian, 38-148	1940	S	98.00	S	80
	12309	Red Clover, Pan American, Domestic, 5882	1939	S	99.41	S	82
	12310	Timothy, Pan American, 774	1941	S	99.75	S	90
	12097	Millet, Japanese, 81193	1938	S	97.60	S	82
F. W. Clark, Wilton	12080	Red Clover, Medium, 24144	1939	S	98.52	S	83
	12088	Timothy, Pine Tree, 66482	1939	S	99.65	S	90
Edgar T. Clement, Lisbon	12254	Oats, 40 lb., Sunshine Seed Oats	1941	S	98.00	S	95
	12252	Redtop, Fancy, XX, 41897	1941	A	87.10	S	91
	12253	Timothy, Aroo, 10-305	1941	S	99.60	S	90

Colebrook Feed Company, . . . . .	12268	Alfalfa, Grimm, Arco, 28-287 . . . . .	1941	S	99.26	74
Colebrook	12261	Alsike Clover, Pine Tree, 21-5133 . . . . .	1941	S	98.61	76
	12263	Alsike Clover, Pan American, 1602 . . . . .	1941	S	98.38	80
	12264	Alsike Clover, 4618 . . . . .	1941	S	98.16	82
	12266	Millet, Hungarian, 9163 . . . . .	1940	S	98.42	87
	12265	Red Clover, Pan American, 5965 . . . . .	1941	S	99.14	83
	12267	Redtop, 8180 . . . . .	1941	92.59	95.00	88
	12262	Timothy, Pan American, 792 . . . . .	1941	S	99.70	94
G. G. Cummings, . . . . .	12126	Millet, Hungarian, 8355 . . . . .	1939	S	98.74	85
Bristol	12127	Millet, Japanese, 08155 . . . . .	1939	97.15	98.00	85
	12125	Red Clover, Ace, Medium, 24864 . . . . .	1941	S	98.44	90
	12128	Timothy, Pine Tree, 66944 . . . . .	1941	S	99.60	92
G. B. Currier Company, . . . . .	12184	Alsike Clover, 25-229 . . . . .	1940	S	98.82	86
Colebrook	12188	Red Clover, Medium, 15-305 . . . . .	1940	S	99.06	88
	12185	Redtop, 30-105 . . . . .	1941	S	95.00	90
	12178	Soybeans, Wilson, 21762 . . . . .	1940	S	98.00	90
G. B. Currier Company, . . . . .	12182	Alsike Clover, 25-275 . . . . .	1941	S	98.00	78
North Stratford	12179	Barley, No. 3, Fancy Trebi, 6-rowed . . . . .	1941	S	96.00	92
	12181	Barley, Smooth Awn, 35-282 . . . . .	1941	S	98.50	88
	12180	Millet, Japanese, 38-200 . . . . .	1941	94.66	97.24	77
	12183	Oats, Mammoth Cluster, 162 . . . . .	1941	S	99.75	95
	12167	Red Clover, Anchor, Medium, 15-344 . . . . .	1941	S	99.60	85
Delaware Feed Store, . . . . .	12284	Millet, Hungarian, J 6-2141 . . . . .	1940	A	98.42	85
Claremont						
Depot Store, . . . . .	12173	Alsike Clover, Herald . . . . .	1941	S	96.10	80
Littleton	12171	Red Clover, Herald, Medium . . . . .	1941	S	98.08	84
	12172	Redtop, X, 137 . . . . .	1941	S	98.45	92
	12174	Redtop, 4358 . . . . .	1941	S	95.60	94
	12170	Timothy, Herald, 780 . . . . .	1941	S	99.00	80
Dover Grain Company, . . . . .	11974	Alsike Clover, Liberty, 5348 . . . . .	1941	S	98.50	90
Dover	11975	Millet, Hungarian, 5838 . . . . .	1941	S	98.40	87
	11981	Millet, Hungarian, 7182 . . . . .	1941	S	99.08	65
	11976	Millet, Japanese, 1428-A . . . . .	1941	S	98.14	88
	11972	Red Clover, Liberty, Medium, 3047 . . . . .	1941	S	99.80	92
	11971	Redtop, Fancy, 2268 . . . . .	1941	S	94.20	92
	11968	Timothy, Liberty, 5401 . . . . .	1941	S	99.70	77
	11982	Timothy, Liberty, 5795 . . . . .	1941	S	99.80	90
S. A. Dow & Son, . . . . .	12003	Oats, Wirthmore Brand, Victory No. 2 . . . . .	1941	S	96.50	95
North Hampton	12011	Red Clover, Pan American, Medium, 5883 . . . . .	1939	S	99.45	92

A = Above. S = Satisfactory. \* As stated on tag accompanying seed.

## SEED INSPECTION, 1941—Continued

Name and Address of Dealer	Sample No.	Kind of Seed	Date Tested*	Purity		Germination	
				Found	Guaran- teed	Found	Guaran- teed
	12020	Redtop, Pan American, 4313	1939	A	92.13	S	90
	12016	Timothy, Pan American, 783	1941	S	99.70	S	91
W. E. Dunbar & Sons, Manchester	11953	Alsike Clover	....	S	98.00	S	90
Eastern States Farmers' Exch., Concord	11938	Alfalfa, Hardy Common, 789	1940	S	99.40	S	67
	11959	Alfalfa, Grimm, 803	1940	S	99.50	S	60
Eastern States Farmers' Exch., Dover	11950	Hayland Mixture No. 3, Eastern States, 818	1940	S	99.35	S	82
	12036	Alfalfa, Variegated, 805	1940	S	99.50	S	57
	12037	Bluegrass, Kentucky, 2381	1940	S	90.00	76	90
	12033	Millet, Hungarian, 832	1940	S	98.80	S	84
	12035	Ladino Clover, 801	1940	S	99.50	S	55
	12031	Meadow Pasture Mixture C, 822	1940	S	97.41	S	83
	12032	Meadow Pasture Mixture A, 820	1940	S	96.20	S	83
	12044	Meadow Pasture Mixture B, 821	1940	S	97.45	S	84
	12034	Orchard Grass, 751	1940	S	90.00	S	90
	11909	Alsike Clover, Eastern States, 800	1940	S	99.00	S	75
Eastern States Farmers' Exch., Manchester	11901	Hayland Mixture No. 4, Eastern States, 819	1940	S	99.38	S	76
	11902	Hayland Mixture No. 2, Eastern States, 817	1940	S	98.91	S	86
11903	Hayland Mixture No. 1, Eastern States, 816	1940	S	99.28	S	85	
11900	Millet, Japanese, Eastern States, 846	1940	S	99.00	S	85	
11913	Oats, Selected, 3291	1940	S	98.00	S	92	
11914	Oats, Upright, 1801	1940	S	99.20	S	95	
11908	Rape, Dwarf Essex, 795	1940	S	99.25	S	92	
11910	Red Clover, Medium, Eastern States, 788	1940	S	99.40	S	85	
11907	Redtop, Fancy Solid	1940	S	97.00	S	92	
11912	Soybeans, Dunfield, 813	1940	S	61.5	S	85	
11911	Timothy, Eastern States, 786	1940	S	99.25	S	90	
11899	White Clover, White Dutch, Eastern States, 814	1940	S	99.55	S	90	
Eastern States Farmers' Exch., Woodsville	12260	Timothy, Eastern States, 835	1940	S	99.00	S	87
Farmers Feed & Supply Company, Franklin	12110	Timothy, 10-229	1940	S	99.55	S	90
	12110	Timothy, 10-229	1940	S	99.60	S	92

Farmers Feed & Supply Company, Lancaster	12175	Barley, Six-row, 8263	1939	S	99.50	90
	12177	Barley, 35-280	1941	S	98.50	88
	12169	Millet, Hungarian, 38-168	1941	S	98.97	93
	12176	Millet, Japanese, 38-167	1941	S	97.44	88
Farmers Feed & Supply Company, Manchester	12022	Alsike Clover, Anchor, 25-262	1941	S	97.70	81
	12004	Oats, Overall	1941	S	96.00	95
	12014	Red Clover, Anchor, Medium, 15-339	1941	S	99.16	82
	12026	Redtop, 30-102	1941	A	92.00	90
	12006	Soybeans, Black Wilson, 42-155	1941	S	98.50	80
	12015	Timothy, Arco, 10-298	1941	S	99.60	90
	12251	Peas, Canada Field, 40-66	1941	S	98.50	90
Farmers Feed & Supply Company, North Haverhill	12095	Redtop, 30-91	1940	S	95.65	90
Farmers Feed & Supply Company, Wilton	12096	Timothy, Arco, 10-274	1941	S	99.60	90
Farm Service Company, .....	11992	Alfalfa, Grimm, Certified Blue Tag, 28-228	1941	S	99.50	72
	11983	Alsike Clover, Arco, 25-270	1941	A	99.10	85
	11977	Millet, Hungarian, 38-192	1941	S	64	85
	11989	Millet, Japanese, 38-190	1941	S	97.00	85
	11987	Red Clover, 30-101	1941	S	99.25	81
	11985	Redtop, 30-101	1941	S	95.14	90
	11990	Rye, Spring, 85-97	1940	S	99.50	87
	11986	Soybeans, 42-137	1941	S	99.00	90
	11988	Timothy, Arco, 10-293	1941	S	99.60	92
	12045	Alfalfa, Grimm, Blue Tag, 28-250	1941	S	99.86	81
Farm Service Company, .....	12028	Millet, Hungarian, 38-142	1940	S	99.00	83
	12029	Oats, Alberta, Victory, 10199, P.G.	1941	S	98.15	81
Farm Service Company, .....	12308	Alsike Clover, Fancy, 8936	1940	S	97.50	96
Farm Keene	12307	White Dutch Clover, Arco, 32-44	1940	S	99.08	82
Farm Service Company, .....	12135	Timothy, 7266	1940	S	98.25	80
	12273	Alsike Clover, Pine Tree, 21696	1941	S	99.65	91
Farm Service Company, .....	12272	Millet, Hungarian, 83-6	1940	S	98.05	88
Farm Peterborough	12274	Millet, Hungarian, 8373	1940	S	98.90	81
	12271	Redtop, Solar, 8115	1940	S	98.40	84
	12270	Timothy, Arco, 10-293	1941	S	94.46	90
	12133	Alsike Clover, 21620	1940	S	99.60	92
H. J. Follensbee, .....	12134	Red Clover, Medium, 24-184	1941	S	98.35	95
Bristol	12132	Timothy, Pine Tree, 66946	1941	S	97.26	96
	12072	Millet, Hungarian, 9129	1941	S	99.70	90
Eugene C. Foss Company, .....	12073	Red Clover, Pan American Medium, 5944	1941	S	82	95
Rochester	12074	Redtop, Pan American, 4333	1941	S	97.26	96
	12075	Timothy, Pan American, 782	1940	S	99.70	91

A = Above. S = Satisfactory.

\* As stated on tag accompanying seed.

SEED INSPECTION, 1941—Continued

Name and Address of Dealer	Sample No.	Kind of Seed	Date Tested*	Purity		Germination	
				Found	Guaran- teed	Found	Guaran- teed
Goodnow Brothers Company, East Jaffrey	12285	Millet, Japanese, 38-189	1941	S	98.61	71.5	87
C. J. Goss, Lakeport	12120	Redtop, Ace, 041557	1941	S	93.00	S	91
	12121	Soybeans, Black Wilson, 5751	1941	S	99.00	S	92
	12119	Timothy, Liberty, 5796	1941	S	99.70	S	90
	12193	Barley, Pennant Brand, 6-row, 5-141	1941	S	98.50	S	95
	12194	Oats, Domestic, 027-141	1941	S	97.90	S	94
Grafton County Feed Company, North Haverhill	12191	Red Clover, Medium, 15-349	1941	S	99.05	S	80
	12192	Soybeans	1941	S	99.00	S	94
	12211	Millet, Hungarian, 84	1940	S	98.00	S	80
	12217	Millet, Japanese, 53	1940	96.72	98.27	81	95
James B. Griffin, Newmarket	12213	Red Clover, Pan American, Medium, 5950	1940	S	99.25	S	80
	12214	Redtop, Pan American, 4340	1940	S	94.10	S	91
	12216	Sweet Clover, White Bloom	....	S	99.50	S	75
	12212	Timothy, Pan American, 772	1940	97.67	99.60	S	90
	12215	Timothy, 61	1940	S	99.50	S	87
	12279	Alsike Clover, 21818	1941	S	98.50	S	80
	12280	Alsike Clover, Extra Fancy, White Mountain, 21815	1941	S	99.40	S	80
Holbrook Grocery Company, Keene	12275	Chewings Rescue, 78-106	1941	S	98.00	S	90
	12278	Millet, Hungarian, 8380	1941	S	98.84	S	81
	12281	Ladino Clover, 19-110	1940	S	99.50	80.5	90
	12276	Redtop, White Mountain, 41939	1941	S	92.50	S	93
	12277	Timothy, Special, 66995	1941	A	97.75	S	85
	12206	Alsike Clover, Extra Fancy, White Mountain, 21782	1941	S	96.05	A	71
	12205	Barley, Wisconsin 38 type, U.B. 3	1941	S	99.75	S	98
	12197	Bluegrass, Kentucky, 032955	1941	S	81.90	S	80
	12202	Millet, Hungarian, 8365	1940	S	98.06	S	86
	12207	Millet, Hungarian, 83-816	1939	S	99.62	S	85
Holbrook Grocery Company, Woodsville	12200	Millet, Japanese, 81-23	1940	S	98.91	S	89
	12201	Red Clover, Medium, Extra Fancy, White Mountain	1939	A	98.00	S	91
	12204	Red Clover, Monadnock, Medium Red, 10123	1940	S	99.36	S	87
	12203	Redtop, Fancy, XX, 41897	1941	A	87.10	S	91
	12208	Rye, Spring, 18 D 345	1941	S	98.34	S	86
12196	Timothy, Pine Tree, 66975	1941	S	99.70	S	90	

12198	Timothy, Monadnock, 66983	1941	S	99.60	S	90
12199	Timothy, White Mountain, 66981	1941	S	99.70	S	90
12289	Alsike Clover, Pine Tree, 21-548	1941	S	97.80	S	86
12290	Millet, Hungarian, 83-9	1941	S	97.54	S	83
12291	Millet, Japanese, 81-19	1941	A	98.30	S	85
12288	Redtop, Pine Tree, 41-539	1941	S	96.60	S	91
12287	Timothy, Pine Tree, 66-56	1939	S	99.60	73	93
12107	Redtop, Pine Tree, 41879	.....	S	95.00	S	90
12062	Alsike Clover, Pan American, 1969	1937	97.08	98.30	56	80
12064	Redtop, Fancy, 41537	1938	94.10	96.40	S	92
12027	Timothy, .....	1938	A	99.60	79	92
12063	Timothy, Bison, 69875	1937	A	98.10	65	90
12010	Alfalfa, Grimm, 5812	1941	S	99.80	S	79
12009	Timothy, Arco, 10-243	1940	S	99.60	S	90
12144	Millet, Hungarian, 9089	1939	S	98.85	76	87
12143	Millet, Japanese, 9156	1941	S	97.10	52.5	85
12146	Redtop, Pan American, 4345	1941	S	94.30	S	92
12145	Timothy, Pan American, 623	1938	S	99.65	84.5	93
12052	Alsike Clover, 28410	1940	S	98.50	58	89
12065	Redtop, 98539	1940	S	98.20	S	92
12048	Timothy, 98259	1941	S	99.58	S	90
12299	Red Clover, Special, 24285	1939	A	86.18	S	85
12298	Redtop, 41908	1941	S	87	S	90
12297	Timothy, 6630	1941	S	97.85	S	88
12248	Millet, Hungarian, 5838	1941	S	98.40	S	87
12246	Millet, Japanese, 1428	1941	A	98.14	S	88
12255	Timothy, Liberty, 5684	1941	S	99.80	S	90
12055	Alsike Clover, Pan American, 1583	1941	S	98.64	S	82
12056	Millet, Hungarian, 83-58	1936	S	99.08	33.5	85
12030	Redtop, Pan American, 4334	1940	93.48	95.02	S	90
12057	Redtop, Pan American, 4296	1938	S	95.86	S	90
12054	Timothy, Pan American, 756	1940	S	99.61	74.5	90
12058	Timothy, B-900	1936	S	99.60	3.0	92
12059	Timothy, Liberty, 5681	1935	S	99.65	11.0	92
12060	Timothy, Pan American, 782	1941	S	99.70	S	91
12136	Alsike Clover, Pan American, 1596	1941	S	98.18	S	80
12123	Millet, Japanese, 9459	1941	87.24	97.10	S	85
12122	Red Clover, Medium, 5901	1941	S	99.25	A	79

A = Above. S = Satisfactory. \* As stated on tag accompanying seed.



## SEED INSPECTION, 1941—Continued

Name and Address of Dealer	Sample No.	Kind of Seed	Date Tested*	Purity		Germination	
				Found	Guaran- teed	Found	Guaran- teed
	12157	Red Clover, Pan American, Medium, 5952	1941	S	99.27	S	80
	12159	Redtop, Pan American, 4365	1941	S	96.60	S	91
	12124	Timothy, Pan American, 786	1941	S	99.60	S	90
Merrimack Farmers' Exch., Inc., Concord	11946	Alfalfa, Grimm, Pine Tree, 27506	1941	S	99.56	S	78
	11943	Alsike Clover, Pine Tree, 21-512	1940	S	98.85	63.5	92
	11942	Millet, Hungarian, 8375	1940	S	98.38	S	81
	11951	Millet, Japanese, Wisconsin, 08167	1940	S	99.60	S	92
	11945	Lawn Seed, Merrimack	1940	S	98.00	81.5	95
	11949	Rape, Winter, 20341	1940	S	99.00	S	90
	11958	Red Clover, Montana, Medium, 24-5105	1940	S	99.00	S	72
	11963	Red Clover, 24-5146	1940	S	99.50	S	75
	11939	Redtop, Ace, 41832	1940	S	92.90	S	90
	11966	Redtop, Pine Tree, 41-58	1940	S	95.30	S	93
	11967	Redtop, Ace, Fancy, 41900	1941	S	92.60	S	91
	11944	Ryegrass, Perennial, 038196	1941	S	99.68	S	97
11941	Soybeans, Manchu type, 084452	1940	S	99.40	S	88	
11964	Soybeans, Manchu type, 84425	1941	S	99.50	S	90	
11965	Sudan Grass, 98233	1941	S	98.25	S	85	
11960	Timothy, Pine Tree, 66993	1941	S	99.65	S	90	
11961	Timothy, Pine Tree, 66-54	1940	S	99.70	S	91	
11962	Timothy, Pine Tree, 66984	1941	S	99.65	S	91	
11947	Vetch, Winter, 99203	1941	S	99.29	S	84	
12069	Alsike Clover, 4464	1941	S	99.10	S	83	
12068	Red Clover, Medium, 9756	1941	S	99.25	S	86	
12046	Bluegrass, Kentucky, 032960	1941	S	86.50	S	81	
12051	Oats, Victory	1941	S	95.00	S	95	
12139	Millet, Japanese, 08178	1941	S	98.18	S	82	
12141	Red Clover, Pine Tree, Medium, 24752	1941	S	99.50	S	86	
12142	Rye, Spring, 22005	1941	S	96.20	S	80	
12140	Wheat, Spring, Marquis, 07598	1940	S	98.87	S	85	
12102	Peas, Canada Field, 085343	1940	S	99.50	S	90	
12070	Soybeans, Wilson type, 84422	1940	S	98.78	S	74	
12082	Vetch, Winter, 99198	1940	S	99.50	S	80	
12071	Wheat, Winter, 75-35	1940	S	99.50	S	92	
12081	Wheat, Spring, Marquis type, 75192	1940	S	99.00	S	90	
12094	Alsike Clover, Pine Tree, 21812	1941	S	98.60	S	82	
12092	Soybeans, Wilson, 20727	1940	S	98.00	75	90	
12093	Red Top, Ace, Fancy, 41925	1941	S	93.50	S	91	

Merrimack Farmers' Exch., Inc., Peterborough	12286	Buckwheat, Japanese, 86146 . . . .	1941	S	99.64	S	96
Merrimack Farmers' Exch., Inc., Pittsfield	12067	Barley, No. 1, Fancy . . . . .	1941	S	96.00	S	92
	12066	Timothy, 5519 . . . . .	1941	S	99.60	S	90
J. J. Moreau & Son, . . . . . Manchester	11948	Alsike Clover, Pan American, 1583	1940	S	98.64	S	95
	11957	Barley, Wisconsin No. 38, 8348 . .	1941	S	99.48	S	80
	11934	Chewings Fescue, 2604 . . . . .	1939	S	98.21	40	85
	11935	Millet, Hungarian, 9158 . . . . .	1941	S	97.96	S	80
	11936	Millet, Hungarian, 9129 . . . . .	1940	S	99.46	S	85
	11936	Millet, Japanese, 81205 . . . . .	1940	S	99.35	S	88
	11937	Millet, Japanese, 9156 . . . . .	1941	S	97.10	S	85
	11952	Oats, Swedish Type, 8350 . . . . .	1941	S	99.40	S	90
	11954	Red Clover, Pan American, Medium, 5944 . . . . .	1941	S	99.28	S	85
	11932	Redtop, Pan American, 4343 . . . .	1941	S	94.30	S	92
	11955	Timothy, Pan American, 782 . . . .	1941	S	99.70	S	91
	11956	Wheat, Spring, Marquis type, 8340	1940	S	99.00	74	96
Nelson Warner Company, . . . . . Charlestown	12293	Millet, Japanese, JC 41 . . . . .	1941	S	95.72	85	94
	12292	Oats, Victory, Alberta, 4266 . . . .	1941	S	96.50	S	95
	12295	Red Clover, Medium, Liberty, 3331	1941	A	99.00	S	85
	12294	Redtop, Fancy, 3324 . . . . .	1941	S	92.20	S	90
	12296	Timothy, Liberty, 5649 . . . . .	1941	S	99.70	S	90
Newport Grain Company, . . . . . Newport	12301	Barley, Wisconsin 38, 6-row, 5860	1941	S	99.00	A	90
	12302	Millet, Hungarian, 51 . . . . .	1941	S	99.62	S	88
	12300	Redtop, 90-1 . . . . .	1941	A	91.00	S	85
Pittsfield Feed & Grain Co., . . . . Pittsfield	12042	Alsike Clover, 25-299 . . . . .	1910	S	98.82	S	86
	12040	Millet, Hungarian, 38-148 . . . . .	1940	S	98.00	S	80
	12043	Millet, Japanese, 38-157 . . . . .	1940	A	97.50	S	88
	12041	Red Clover, Medium, 15-299 . . . .	1940	97.05	99.04	S	80
	12061	Timothy, Pan American, 774 . . . .	1941	S	99.75	77.5	90
W. N. Potter Grain Stores, Inc., Winchester	12282	Millet, Japanese, 1425-A . . . . .	1941	S	98.60	S	92
	12283	Timothy, Liberty, 5754 . . . . .	1941	S	99.70	S	90
A. M. Rand, . . . . . Plymouth	12148	Millet, Japanese . . . . .	1941	S	98.00	82.5	90
	12147	Red Clover, Choice, 24538 . . . . .	1941	A	98.70	79.5	95
	12150	Redtop, 41822 . . . . .	1941	S	90.90	S	90
	12149	Timothy, 7427 . . . . .	1941	S	99.65	S	90
Rand, Ball & King, . . . . . Claremont	12311	Millet, Japanese, 2419 . . . . .	1940	S	99.76	S	91
	12313	Red Clover, Medium, 3068 . . . . .	1941	S	99.50	S	87
	12312	Timothy, Liberty, 5644 . . . . .	1940	S	99.80	S	90
Rochester Grain Company, . . . . . Rochester	12024	Alsike Clover, Liberty, 2883 . . . .	1941	S	98.45	S	71
	12007	Barley, Wisconsin 38, 6-row, 5-860	1941	A	99.00	A	90
	12013	Millet, Hungarian, 5318 . . . . .	1940	S	99.18	S	88

A = Above. S = Satisfactory. \* As stated on tag accompanying seed.

SEED INSPECTION, 1941—Continued

Name and Address of Dealer	Sample No.	Kind of Seed	Date Tested*	Purity		Germination	
				Found	Guaran- teed	Found	Guaran- teed
Rollins Grain Company, New Durham	12012	Red Clover, Liberty, Medium, 2533	1940	99.02	99.80	S	78
	12025	Red Top, Fancy, 2204	1940	S	93.84	S	90
	12104	Alsike Clover, Pine Tree, 21753	1941	S	98.10	S	80
	12105	Millet, Hungarian, 5770	1940	S	99.00	S	85
	12106	Oats, Delaware Seed, 136	1941	S	99.00	S	95
12103	Timothy, 8519	1941	S	99.65	80.5	90	
H. C. Sanborn, Leonia	12130	Red Clover, Ace, Medium	.....	S	98.34	S	88
	12129	Redtop, Pine Tree, Fancy, 41720	1940	S	95.10	S	91
	12131	Timothy, Pine Tree	.....	S	99.65	S	90
J. Herbert Seavey, Dover	11973	Alsike Clover, Liberty, 7285	1939	S	97.50	S	86
	11979	Millet, Hungarian, 2606	1940	S	98.02	S	90
	11980	Millet, Japanese, 5447	1940	S	98.00	S	90
	11984	Oats, Victory, C-5912	1940	S	99.75	S	90
	11978	Rape, 4461	1940	S	99.51	S	95
	11970	Red Clover, Liberty, Medium, 2491	1940	S	99.04	A	78
	11969	Timothy, Liberty, 5401	1940	S	99.70	S	90
	11998	Barley, Alpha, 35-275	1941	S	98.05	S	90
S. A. Schurman & Son, Portsmouth	11999	Bluegrass, Kentucky, 34-74	1941	S	85.43	S	80
	11994	Millet, Hungarian, 88-163	1941	A	98.00	S	88
	12001	Millet, Japanese, 37-167	1941	S	98.53	S	88
	12000	Ladino Clover, 100-301	1941	94.69	97.36	S	75
	12002	Peas, Canada Field, 40-66	1941	S	98.50	S	90
	11997	Red Clover, Anchor, Medium, 15-341	1941	S	99.30	S	82
	11991	Redtop, 30-105	1941	A	95.00	S	90
	11996	Ryegrass, Common, 39-57	1941	A	99.20	S	90
	11993	Soybeans, Manchou, 42-139	1941	S	99.50	68	90
	11995	Timothy, Arco, 10-291	1941	S	99.70	S	90
Frank Smith Company, Lancaster	12243	Alsike Clover, Pan American, 1577	1940	S	99.10	S	78
	12240	Red Clover, Pine Tree, 24-172	1938	S	98.30	72	84
	12241	Redtop, Pine Tree, Fancy, 41580	1938	S	95.80	S	92
	12269	Timothy, Pine Tree, 66-5114	1941	S	99.70	76	94
F. B. Spaulding Co., Lancaster	12231	Alsike Clover, Ace, 21 x 41	1941	S	96.10	75.5	90
	12229	Barley, Alpha, 35-277	1941	S	98.00	S	85
	12233	Millet, Hungarian, 38-163	1941	A	98.00	S	88
	12232	Millet, Japanese, 38-197	1941	S	98.20	S	87
	12230	Timothy, Arco, 10-307	1941	S	99.60	S	90
	12230	Timothy, Arco, 10-307	1941	S	99.60	S	90

F. B. Spaulding Co., .....	12224	Millet, Hungarian, 83-7 .....	1941	\$	98.14	85
Whitefield	12226	Millet, Japanese, 81-9 .....	1941	\$	98.20	78
	12225	Oats, A-138, O. & W. ....	1941	\$	99.00	95
	12227	Red Clover, Ace, 24x425 .....	1941	\$	98.56	89
	12228	Timothy, Arco, 10-308 .....	1941	\$	99.60	90
C. P. Stevens Company, .....	12151	Millet, Japanese, 81-15 .....	1940	97.77	99.76	95
Franklin	12156	Rape, Dwarf Essex, 95-17 .....	1941	\$	99.90	94
	12153	Redtop, Ace, 41-161 .....	1941	90.61	92.86	90
	12154	Timothy, 66-540 .....	1940	\$	98.40	85
	12155	Timothy, 66-563 .....	1941	\$	99.64	94
	12152	White Clover, 26-318 .....	1941	\$	98.45	75
C. P. Stevens Company, .....	12116	Millet, Japanese .....	1941	97.99	...	79
Plymouth	12117	Oats, Upright, 73-15 .....	1940	\$	99.50	97
	12118	Red Clover, Medium .....	1941	99.02	...	77.5
The Stymest Company, .....	12258	Redtop, Fancy, 3324 .....	1941	\$	92.20	90
Bath	12259	Timothy, Liberty, 5653 .....	1941	\$	99.60	90
Sunshine Feed Store, .....	12100	Alsike Clover, Arco, 25-74 .....	1939	\$	97.65	80
Manchester	12087	Oats, Anchor, 36-142 .....	1941	\$	98.00	92
	12099	Red Clover, Medium, 15-305 .....	1940	\$	99.25	86
	12098	Redtop, 30-105 .....	1941	\$	95.00	86
	12086	Soybeans, Black Wilson, 42-159 .....	1941	98.42	99.20	86
	12101	Timothy, Arco, 10-308 .....	1941	\$	99.60	90
Sunshine Feed Store, .....	12190	Alsike Clover, 25-271 .....	1941	\$	98.00	85
West Lebanon	12189	Barley, Wisconsin 38, 35-284 .....	1941	\$	98.50	90
	12221	Buckwheat, Silverhull, 68-86 .....	1941	\$	99.00	90
	12118	Oats, Victory, 36-144 .....	1941	\$	98.10	92
	12187	Red Clover, Mammoth .....	1940	\$	99.00	80
	12188	Redtop, 30-91 .....	1940	91.62	95.65	90
	12219	Lye, Spring, 85-118 .....	1941	\$	97.50	88
	12186	Sudan Grass, 70-65 .....	1940	A	97.57	92
	12195	Sudan Grass, 70-81 .....	1941	\$	98.04	85
	12222	Sweet Clover, 29-103 .....	1941	A	96.84	79
	12220	Timothy, Arco, 10-299 .....	1941	\$	99.60	90
F. B. Swain, .....	12137	Alsike Clover, Pine Tree, 21482 ..	1933	A	94.45	85
Winnisquam	12138	Timothy, Pine Tree, 66674 .....	1939	\$	99.65	93
Thompson & Hongne Company, ..	11940	Timothy, Pine Tree .....	1940	\$	99.80	90
Concord						
A. J. Turcotte, .....	12209	Alsike Clover, Pine Tree, 21758 ..	1941	\$	98.55	80
Newmarket	12210	Millet, Hungarian, 8378 .....	1941	A	98.35	84
John B. Varick Company, .....	11923	Alfalfa, Grimm, Pine Tree, 27431 ..	1941	\$	99.70	74
Manchester	11924	Alfalfa, Grimm, Pine Tree, 27401 ..	1940	\$	99.18	72
	11922	Alsike Clover, Pine Tree, 21758 ..	1941	\$	98.55	80

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SEED INSPECTION, 1941—Continued

Name and Address of Dealer	Sample No.	Kind of Seed	Date Tested*	Purity		Germination	
				Found	Guaran- teed	Found	Guaran- teed
	11930	Barley, Wisconsin No. 38, 6-row, 071787 .....	1941	S	99.80	S	96
	11916	Bent Grass, Astoria, 034575 .....	1941	96.08	98.16	S	91
	11925	Bluegrass, Kentucky, 032956 .....	1941	S	87.50	S	80
	11915	Millet, Hungarian, 8378 .....	1941	S	98.35	S	84
	11921	Millet, Japanese, Iowa, 08176 .....	1941	S	98.66	S	85
	11931	Oats, Heavy N-W Seed, 073121 .....	1941	S	98.25	S	95
	11928	Peas, Canada Field, 85519 .....	1941	S	99.50	S	93
	11920	Red Clover, Ace, Medium, 24664 .....	1941	S	98.44	S	90
	11918	Redtop, Ace, Fancy, 41878 .....	1941	S	92.00	S	91
	11919	Redtop, Illinois, Pine Tree, Fancy, 41879 .....	1941	S	95.00	S	92
	11926	Rye, Spring, 07498 .....	1941	S	99.24	S	94
	11927	Ryegrass, Domestic, 038180 .....	1940	S	99.32	S	94
	11929	Soybeans, Black, 84424 .....	1941	S	98.16	S	80
	11917	Sudan Grass, 098313 .....	1941	S	98.58	S	85
	11904	Timothy, Pine Tree, 66845 .....	1940	S	99.65	S	92
	11905	Timothy, Pine Tree, 66944 .....	1941	S	99.60	S	92
	11906	Timothy, Pine Tree, 66946 .....	1941	S	99.70	S	90
	12257	Millet, Hungarian, 9163 .....	1941	97.45	98.42	S	87
	12247	Red Clover, Medium, 10127 .....	1941	S	99.20	S	86
	12256	Timothy, Pan American, 791 .....	1941	S	99.85	S	91
	12049	Alsike Clover, 21534 .....	1939	98.55	..	S	81
	12047	Redtop, 68-206 .....	1940	S	96.65	S	92
Woodsville Grain Company, .....							
Woodsville							
W. A. Young, .....							
Exeter							

















