

Kentucky Agricultural Experiment Station
UNIVERSITY OF KENTUCKY
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SEED INSPECTION IN KENTUCKY, 1943-44

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A careful inspection of seed stocks in possession of wholesale and retail dealers was made during the year. The educational work of the Department was extended and was given an intelligent hearing wherever presented. Farmers and seedsmen are giving excellent cooperation. The official seed tag is read more carefully and the information which it carries is given greater consideration than ever before. As a result of these favorable conditions there are fewer unlawful samples and other irregularities than usual.

During the fiscal year, July 1, 1943 to June 30, 1944, inspectors examined 4,532 lots of seed and took official samples from 457 lots. Analysts have spent more than one thousand hours making 1,500 tests on official samples. Enforcement officials have passed upon all violations and other irregularities.

Submission of Samples for Analysis

Attention is again called to the conditions governing submission of samples for analysis.

Any individual, firm, or corporation resident in the State of Kentucky may obtain free analysis of eight (8) samples of personally owned seed during a calendar year, provided that not more than two (2) such samples are submitted in any calendar month. A fee will be charged for each sample submitted in excess of this number. A list of the amounts of such fees will be furnished upon request.

The sample of seed must be taken in such a way that it represents as accurately as possible the lot being sampled. To this end it is important that equal quantities be taken from each container

sampled, and from a different place in each container, in a given lot of seed.

In lots of five bags or less, each bag of seed should be sampled. In larger lots, every fifth bag should be sampled. Whenever there is evidence of lack of uniformity in a lot of seed, each bag should be sampled separately. The samples from each bag may be kept separate or they may be combined in composite samples, as circumstances require.

The following are minimum weights of samples to be submitted for analysis:

Grass seed not elsewhere mentioned, white or alsike clover, or seeds not larger than these.....	2 ounces
Red or crimson clover, alfalfa, ryegrass, bromegrass, millet, flax, rape, or seeds of similar size	4 ounces
Cereals, vetch, or seeds of similar or larger size	8 ounces

If means of weighing are not available, samples may be measured as follows: Grass seed, one teacup; alfalfa and clovers, one teacup; cereals (corn, wheat, rye, and seeds of similar size), two teacups.

Seeds submitted for analysis should be placed in containers which will not break easily in the mail, preferably in regular seed envelopes about 4x6 inches, and mailed to the Seed Laboratory, Experiment Station, Lexington, Kentucky. Sometimes, when such envelopes are not used, it takes nearly as long to unwrap a package and transfer the contents to a container suitable for filing as it does to make a purity test. The following should be plainly written on the outside of each envelope or package: (1) name and address of sender, (2) kind of seed, (3) sender's mark, (4) kind of test desired.

Do not send samples in metal containers, or use wire in tying packages.

Notice: Samples submitted as specified above may not be used as a basis for prosecution. *All prosecutions must be based on official samples.* Official samples are those taken personally by official inspectors.

EXPLANATION OF TABLES

Results of analyses of official samples are shown in tables on following pages. Table 1 shows the percentages of purity and

germination stated on tags, the presence of an excessive amount of noxious weed seeds, the presence of noxious weed seeds not shown on tags, irregularities in tags, and absence of tags. The variations allowed in purity, germination, and weed seed per ounce are the same as those published in Kentucky Regulatory Series Bulletin 4, Revised. Results within the allowed variation are marked with "+" if above, or "-" if below statement on official tags. Variations greater than those allowed constitute violations of the Kentucky Seed Law, and such results are printed in bold-face type. In the table, "L" means listed and "F" means found.

Table 2 is a classification of samples according to wholesale dealers from whom they were purchased, and indicates violations found.

Table 3 contains a summary to show the kind and number of violations detected.

TABLE 1.—ANALYSES OF SEEDS COLLECTED BY INSPECTORS, 1943-44

Lab. No.	Kind of seed and name and address of dealer	Purchased from	Purity Percent	Germination Percent	Noxious weed seed
Bluegrass					
0-4330	21 lb. J. D. G. Farmers Supply Co., Lexington	Sphar & Co., Winchester, Ky.	L 83 F +	L 74 F 56	
0-4334	C 1306 W. H. Brock & Co., Maysville	The Livingston Seed Co., Cincinnati, Ohio	L 83.62 F +	L 80 F 65	
0-4367	Ramsey Supply Store, Somerset	Louisville Seed Co., Louisville, Ky.	L 85 F +	L 80 F —	
0-4371	2639 A. T. Sanders, Lancaster	Scott Seed Co., New Albany, Ind.	L 80 F +	L 70 F +	
0-4372	W. A. Farnau, Lancaster	Scott Seed Co., New Albany, Ind.	L 85 F 77.68	L 80 F 53	
0-4374	Garrard Mills, Lancaster	Lewis Seed Co., Louisville, Ky.	L 85 F +	L 82 F 73	
0-4377	Durham Impl. Co., Stanford	Louisville Seed Co., Louisville, Ky.	L 85 F —	L 80 F 65	
0-4383	183 Henderson & Hardy, Shepherdsville	Chambers Seed Co., Louisville, Ky.	L 85 F +	L 85 F +	
0-4384	J. E. M. Milling Co., Frankfort	Louisville Seed Co., Louisville, Ky.	L 85 F —	L 80 F —	
0-4390	Cut Rate Groc., Flemingsburg	The Market Gardeners' Seed Co., Cincinnati, Ohio	L 86 F +	L 75 F —	
0-4443	Meade & Co., Paintsville	Louisville Seed Co., Louisville, Ky.	L 85 F +	L 80 F 58	
0-4448	113 Paintsville Groc. Co., Paintsville	The Mahan Co., Winchester Ky.	L 82 F —	L 85 F 75	
0-4472	H. T. Adams, Harrodsburg	Ross Seed Co., Louisville, Ky.	L 85 F +	L 80 F —	
0-4483	Lillard Miles, Nicholasville	Ross Seed Co., Louisville, Ky.	L 80 F +	L 80 F +	
0-4521	C. Rowland, Owensboro	Harralson's Feed & Seed Store, Owensboro, Ky.	L 86.38 F +	L 80 F +	
0-4526	William Stanley, Corbin	Ross Seed Co., Louisville, Ky.	L 85 F +	L 80 F —	
0-4540	Farmers Supply Co., Lexington	Sphar & Co., Winchester, Ky.	L 85 F +	L 80 F —	
0-4587	Farmers Supply Co., Eminence	Louisville Seed Co., Louisville, Ky.	L 97 F +	L 80 F +	
0-4589	J. E. M. Milling Co., Frankfort	Louisville Seed Co., Louisville, Ky.	L 85 F +	L 80 F —	Excessive
0-4595	C 1312 Thomas Hdw. Co., Owenton	The Livingston Seed Co., Cincinnati, Ohio	L 85.42 F +	L 80 F —	

TABLE 1.—ANALYSES OF SEEDS—Continued

Lab. No.	Kind of seed and name and address of dealer	Purchased from	Purity Percent	Germination Percent	Noxious weed seed
0-4596....	C 1306 Thomas Hdw. Co., Owenton	The Livingston Seed Co., Cincinnati, Ohio	L 85.94 F +	L 80 F —	
0-4598....	101 Shelby Feed & Seed Co., Shelbyville	G. M. Taylor Seed Co., Georgetown, Ky.	L 89 F —	L 75 F 59	Excessive
0-4602....	1024 Farmers & Merchants Milling Co., Brooksville	The Market Gardeners' Seed Co., Cincinnati, Ohio	L 80 F +	L 80 F —	
0-4605....	1302 Adams & Moore, Cynthiana	The Livingston Seed Co., Cincinnati, Ohio	L 85.30 F +	L 80 F +	
0-4610....	143 E. M. Smith & Son, Cynthiana	E. M. Smith & Son, Cynthiana, Ky.	L 85 F +	L 80 F +	Excessive
0-4613....	C 1302 John A. Sheehan, Falmouth	The Livingston Seed Co., Cincinnati, Ohio	L 86.68 F +	L 80 F 70	
0-4617....	191 Red Bird Morgan & Crenshaw, Georgetown	Lewis Seed Co., Louisville, Ky.	L 85 F 78.80	L 80 F +	
0-4618....	John B. Penn & Sons, Georgetown	G. M. Taylor Seed Co., Georgetown, Ky.	L 89 F +	L 75 F —	Excessive
0-4619....	52143 W. H. Brock & Co., Maysville	Woodford Spears & Sons, Paris, Ky.	L 86.77 F —	L 71 F +	
0-4621....	21 lb. 2861 Millersburg Coal & Lumber Co., Millersburg	Brent & Co., Paris, Ky.	L 86.65 F +	L 81 F —	
0-4644....	B No. 31 Louisville Seed Co., Louisville	Unknown	L 86.26 F +	L Blank F 76	Excessive
0-4645....	B No. 34 Louisville Seed Co., Louisville	Unknown	L 97.07 F +	L 75 F +	
0-4651....	3954 M. T. Riley Seed Co., Paducah	J. M. Schultz Seed Co., Dieterich, Ill.	L 81.10 F +	L 75 F +	
0-4665....	372242 Chas. E. Rankin Hatchery, Flemingsburg	Woodford Spears & Sons, Paris, Ky.	L 87.04 F +	L 80 F —	
0-4670....	52143 W. H. Brock & Co., Maysville	Woodford Spears & Sons, Paris, Ky.	L 86.77 F +	L 71 F +	
0-4671....	372242 W. H. Brock & Co., Maysville	Woodford Spears & Sons, Paris, Ky.	L 87.04 F +	L 80 F —	
0-4675....	1024 Keith & Lykins, Springdale	The Market Gardeners' Seed Co., Cincinnati, Ohio	L 80 F +	L 80 F —	

TABLE 1.—ANALYSES OF SEEDS—Continued

Lab. No.	Kind of seed and name and address of dealer	Purchased from	Purity Percent	Germination Percent	Noxious weed seed
0-4685	Red Bird Morgan & Crenshaw, Georgetown	Lewis Seed Co., Louisville, Ky.	L 85 F —	L 80 F +	
Millet					
0-4711	Tennessee 5284 Williams Groc. Co., Paintsville	The J. Chas. McCullough Seed Co., Cincinnati, O.	L 99.68 F —	L 80 F +	
0-4761	Tennessee 5972 Monarch Milling Co., Mt. Sterling	The J. Chas. McCullough Seed Co., Cincinnati, O.	L 99.50 F +	L 83 F +	
Orchard Grass					
0-4465	750 Hoskins Store, Campbellsville	Chambers Seed Co., Louisville, Ky.	L 85 F 79.33	L 85 F +	
0-4466	Davis Hdw. Co., Columbia	Louisville Seed Co., Louisville, Ky.	L 85 F +	L 85 F +	
0-4467	764 Cecil Moss, Edmonton	Chambers Seed Co., Louisville, Ky.	L 85 F +	L 80 F +	
0-4481	2737 Liberty Hdw. Co., Liberty	Scott Seed Co., New Albany, Ind.	L 80 F +	L 80 F +	
0-4482	738 Parker S. Cooper, Monticello	Chambers Seed Co., Louisville, Ky.	L 85 F —	L 80 F +	Excessive
0-4515	D 8675 L. B. Carden, Hartford	Ed. F. Mangelsdorf & Bro., St. Louis, Missouri	L 85.86 F —	L 85 F +	
0-4518	Anderson Ice Co., Lawrenceburg	Ross Seed Co., Louisville, Ky.	L 85 F —	L 85 F —	
0-4584	1806 Warsaw Hdw. Co., Warsaw	The Market Gardeners' Seed Co., Cincinnati, Ohio	L 80 F —	L 83 F +	
0-4590	J. E. M. Milling Co., Frankfort	Louisville Seed Co., Louisville, Ky.	L 80 F —	L 80 F +	
0-4600	1806 Youtsey Bros., Alexandria	The Market Gardeners' Seed Co., Cincinnati, Ohio	L 80 F +	L 83 F +	
0-4601	1806 Farmers & Merchants Milling Co., Brooksville	The Market Gardeners' Seed Co., Cincinnati, Ohio	L 80 F +	L 83 F +	
0-4710	Williams Groc. Co., Paintsville	Sphar & Co., Winchester, Ky.	L 87 F +	L 85 F +	
Redtop					
0-4343	A M S-46-419 Allen & Jenkins, Bowling Green	Ragland, Potter & Co., Glasgow, Ky.	L 92.25 F —	L 90 F +	

TABLE 1.—ANALYSES OF SEEDS—Continued

Lab. No.	Kind of seed and name and address of dealer	Purchased from	Purity Percent	Germination Percent	Noxious weed seed
0-4352.....758	Hatter Hdw. Co., Franklin	Dobson-Hicks Co., Nashville, Tenn.	L 93.10 F +	L 90 F +	
0-4394.....803	W. S. Allen, Liberty	National Seed Co., Louisville, Ky.	L 92 F —	L 90 F —	
0-4400.....2369	Dairyman's Feed & Supply Co., Mayfield	Shultz Seed Co., Olney, Ill.	L 92.88 F +	L 91 F +	
0-4430.....832	J. P. Page & Son, Barlow	Yopp Seed Co., Paducah, Ky.	L 92 F +	L 90 F +	
0-4431.....2037 A	Dairyman's Feed & Supply Co., Mayfield	Shultz Seed Co., Olney, Ill.	L 92.06 F +	L 90 F +	
0-4439.....16	J. M. Hunt & Son, Wickliffe	Covington Bros. & Co., Paducah, Ky.	L 93.60 F —	L 90 F —	
0-4717.....Fulton Hdw. & Furn. Co., Fulton		Louisville Seed Co., Louisville, Ky.	L 90 F +	L 90 F +	
Ryegrass					
0-4393.....14	W. S. Allen, Liberty	National Seed Co., Louisville, Ky.	L 99 F —	L 90 F +	Excessive
0-4454.....Paintsville Groc. Co., Paintsville		The Mahan Co., Winchester, Ky.	L 99 F +	L 90 F +	Excessive
Timothy					
0-4335.....C 730	W. H. Brock & Co., Maysville	The Livingston Seed Co., Cincinnati, Ohio	L 99.60 F —	L 90 F +	
0-4337.....2963	Melvin Hart, Falmouth	The J. Chas. McCullough Seed Co., Cincinnati, Ohio	L 99.70 F —	L 90 F +	Excessive
0-4361.....1251	Grigsby & Co., Bardstown	Chambers Seed Co., Louisville, Ky.	L 99.65 F +	L 90 F +	
0-4373.....Garrard Mills, Lancaster		Lewis Seed Co., Louisville, Ky.	L 99.50 F +	L 90 F +	
0-4378.....Red Bird Baughman Milling Co., Stanford		Lewis Seed Co., Louisville, Ky.	L 99.50 F +	L 90 F +	Excessive
0-4382.....2245	Duncan & Theiss, LaGrange	Scott Seed Co., New Albany, Ind.	L 99.50 F +	L 78 F +	
0-4389.....Cut Rate Groc., Flemingsburg		Louisville Seed Co., Louisville, Ky.	L 98.08 F +	L 85 F +	
0-4396.....Garrard Mills, Lancaster		Garrard Mills, Lancaster, Ky.	L 99.50 F +	L 90 F +	

TABLE 1.—ANALYSES OF SEEDS—Continued

Lab. No.	Kind of seed and name and address of dealer	Purchased from	Purity Percent	Germination Percent	Noxious weed seed
0-4398	Red Bird Garrard Mills, Lancaster	Lewis Seed Co., Louisville, Ky.	L 99.50 F +	L 90 F +	
0-4402	1102 Economy Feed Store, Murray	Dairyman's Feed & Supply Co., Mayfield, Ky.	L 99.50 F —	L 90 F +	
0-4404	C 735 W. H. Brock & Co., Maysville	The Livingston Seed Co., Cincinnati, Ohio	L 99.68 F —	L 90 F —	
0-4405	5529 J. F. Bertram & Son, Vanceburg	The J. Chas. McCullough Seed Co., Cincinnati, Ohio	L 99.60 F —	L 90 F —	Excessive
0-4429	797 Bardwell Hdw. Co., Bardwell	Yopp Seed Co., Paducah, Ky.	L 99.45 F —	L 90 F +	
0-4434	1116 Dairyman's Feed & Supply Co., Mayfield	J. M. Schultz Seed Co., Dieterich, Ill.	L 99.50 F —	L 90 F +	
0-4447	C 43 Meade & Co., Paintsville	Sphar & Co., Winchester, Ky.	L 99.60 F —	L 90 F 75	Excessive
0-4479	1008 Garrard Mills, Lancaster	J. M. Schultz Seed Co., Dieterich, Ill.	L 99.50 F +	L 90 F +	
0-4490	C 736 Saufey & Bell, Stanford	The Livingston Seed Co., Cincinnati, Ohio	L 99.60 F —	L 90 F —	
0-4532	Red Bird 1353 Triplet's Store, Corbin	Lewis Seed Co., Louisville, Ky.	L 99.50 F +	L 90 F +	
0-4538	Watkins Wholesale Groc., East Bernstadt	Ross Seed Co., Louisville, Ky.	L 99.50 F —	L 90 F +	Excessive
0-4557	521 Booneville Wholesale Co., Booneville	The Mahan Co., Winchester, Ky.	L 94 F —	L 80 F 8	Excessive
0-4588	Farmers Supply Co., Eminence	Louisville Seed Co., Louisville, Ky.	L 99.50 F —	L 90 F +	
0-4597	C 736 Thomas Hdw. Co., Owenton	The Livingston Seed Co., Cincinnati, Ohio	L 99.60 F +	L 90 F —	
0-4599	C 737 C. N. Varble, Sparta	The Livingston Seed Co., Cincinnati, Ohio	L 99.25 F +	L 90 F +	
0-4611	S E. M. Smith & Son, Cynthiana	E. M. Smith & Son, Cynthiana, Ky.	L 99.95 F —	L 94 F —	
0-4612	Van Hook Hdw. Co., Cynthiana	Louisville Seed Co., Louisville, Ky.	L 99.50 F +	L 90 F +	
0-4620	T 149 W. H. Brock & Co., Maysville	The Livingston Seed Co., Cincinnati, Ohio	L 99.50 F +	L 90 F +	

TABLE 1.—ANALYSES OF SEEDS—Continued

Lab. No.	Kind of seed and name and address of dealer	Purchased from	Purity Percent	Germination Percent	Noxious weed seed
0-4673	C 737 W. H. Brock & Co., Maysville	The Livingston Seed Co., Cincinnati, Ohio	L 99.25 F +	L 90 F +	
0-4678	834 A Keith & Lykins, Springdale	The Market Gardeners' Seed Co., Cincinnati, Ohio	L 99.50 F +	L 90 F -	
0-4690	2418 E. W. Simpson, Owenton	Scott Seed Co., New Albany, Ind.	L 99.50 F +	L 90 F +	Excessive
0-4695	S Lusby Feed Store, Owenton	Woodford Spears & Sons, Paris, Ky.	L 99.70 F -	L 93 F -	
0-4697	761 Walton & Rednour, Walton	The Market Gardeners' Seed Co., Cincinnati, Ohio	L 99.25 F -	L 90 F -	Excessive
0-4716	Fulton Hdw. & Furn. Co., Fulton	Louisville Seed Co., Louisville, Ky.	L 98.50 F +	L 85 F +	
0-4757	1261 Cecilian Milling Co., Elizabethtown	Chambers Seed Co., Louisville, Ky.	L 99.50 F -	L 90 F -	
Alfalfa					
0-4332	Farmers Supply Co., Lexington	The C. S. Brent Seed Co., Lexington, Ky.	L 99.30 F +	L 84 + 12 F -	
0-4340	Grayson County Supply Co., Leitchfield	Louisville Seed Co., Louisville, Ky.	L 99.50 F +	L 70 + 20 F +	
0-4347	G 57 American Hdw. Co., Bowling Green	J. B. Lucas Seed Co., Franklin, Ky.	L 99 F +	L 70 + 23 F -	
0-4348	G. B. Vick Smith, Bowling Green	J. B. Lucas Seed Co., Franklin, Ky.	L 99 F +	L 70 + 23 F +	
0-4355	A M S-6-A G 155 H. W. Smith, Horse Cave	C. B. Ragland Co., Nashville, Tenn.	L 99.52 F +	L 67 + 28 F -	
0-4368	Grimm Morris Bros., Somerset	Ross Seed Co., Louisville, Ky.	L 99.25 F -	L 60 + 20 F +	
0-4385	J. E. M. Milling Co., Frankfort	Louisville Seed Co., Louisville, Ky.	L 99.50 F +	L 75 + 15 F +	
0-4401	A 2295 Covington Bros. & Co., Mayfield	Ed. F. Mangelsdorf & Bro., St. Louis, Missouri	L 99.38 F +	L 67 + 23 F +	
0-4477	430 Garrard Mills, Lancaster	National Seed Co., Louisville, Ky.	L 99.50 F +	L 78 + 13 F +	
0-4511	Grigsby & Co., Bardstown	Ross Seed Co., Louisville, Ky.	L 99.35 F +	L 80 + 12 F +	
0-4539	Farmers Supply Co., Lexington	The C. S. Brent Seed Co., Lexington, Ky.	L 99.30 F -	L 84 + 12 F +	

TABLE 1.—ANALYSES OF SEEDS—Continued

Lab. No.	Kind of seed and name and address of dealer	Purchased from	Purity Percent	Germination Percent	Noxious weed seed
0-4563....	C 500 Bedford & Tuttle, Winchester	The Livingston Seed Co., Cincinnati, Ohio	L 99.65 F —	L 85 + 7 F +	
0-4582....	825 A Warsaw Hdw. Co., Warsaw	The Market Gardeners' Seed Co., Cincinnati, Ohio	L 96.80 F —	L 71 + 15 F +	
0-4591....	430 E. W. Simpson, Owenton	National Seed Co., Louisville, Ky.	L 99.50 F +	L 75 + 16 F +	
0-4594....	C 503 Thomas Hdw. Co., Owenton	The Livingston Seed Co., Cincinnati, Ohio	L 99.68 F —	L 78 + 14 F +	
0-4606....	C 503 L. C. McLoney & Sons, Cynthiana	The Livingston Seed Co., Cincinnati, Ohio	L 99.68 F +	L 78 + 14 F +	
0-4669....	Oklahoma C 500 A W. H. Brock & Co., Maysville	The Livingston Seed Co., Cincinnati, Ohio	L 99.78 F —	L 85 + 10 F +	
0-4674....	Red Bird A 159 Millersburg Coal & Lumber Co., Millersburg	Lewis Seed Co., Louisville, Ky.	L 99.50 F —	L 82 + 13 F +	
Alsike Clover					
0-4475....	45 Elliott Lumber Co., Lancaster	Chambers Seed Co., Louisville, Ky.	L 96.77 F +	L 75 + 15 F +	
0-4650....	70 M. T. Riley Seed Co., Paducah	J. M. Schultz Seed Co., Dieterich, Ill.	L 99.30 F —	L 89 + 7 F +	
0-4718....	Fulton Hdw. & Furn. Co., Fulton	Louisville Seed Co., Louisville, Ky.	L 94.50 F —	L 70 + 20 F +	
Crimson Clover					
0-4331....	A 43 Farmers Supply Co., Lexington	Sphar & Co., Winchester, Ky.	L 99.50 F +	L 85 F +	
0-4333....	Fayette Seed Co., Lexington	Ross Seed Co., Louisville, Ky.	L 98.50 F +	L 70 + 15 F +	
0-4350....	J. W. R. H. D. Jones, Glasgow	J. B. Lucas Seed Co., Franklin, Ky.	L 98.54 F +	L 85 + 16 F +	
0-4360....	4302 Grigsby & Co., Bardstown	Farmers Elevator Co., Franklin, Ky.	L 99.50 F +	L 85 + 5 F —	
0-4363....	1496 George P. Taylor Co., Albany	Dobson-Hicks Co., Nashville, Tenn.	L 99.64 F —	L 79 + 6 F —	
Red Clover					
0-4358....	772 John H. Burba, Hodgenville	Scott Seed Co., New Albany, Ind.	L 87 F +	L 60 + 2 F —	Excessive

TABLE 1.—ANALYSES OF SEEDS—Continued

Lab. No.	Kind of seed and name and address of dealer	Purchased from	Purity Percent	Germination Percent	Noxious weed seed
0-4359....776	C. F. Howard & Son, New Haven	Scott Seed Co., New Albany, Ind.	L 98.56 F +	L 70 + 10 F -	
0-4453....	Williams Groc. Co., Paintsville	Sphar & Co., Winchester, Ky.	L 99.60 F +	L 70 + 10 F +	
0-4460....	Samson 16149 J. H. Cross, Albany	Ragland, Potter & Co., Nashville, Tenn.	L 99 F -	L 74 + 12 F +	Excessive
0-4462....	166 No. 4 Curtis & McComas, Burkesville	National Seed Co., Louisville, Ky.	L 97.65 F +	L 52 + 2 F 36 + 2	
0-4510....	Grigsby & Co., Bardstown	Ross Seed Co., Louisville, Ky.	L 99.18 F +	L 73 + 20 F -	
0-4517....	231 C S C Anderson Ice Co., Lawrenceburg	Chambers Seed Co., Louisville, Ky.	L 96.16 F -	L 86 + 4 F -	
0-4545....	Bullock & Bullock, Mt. Vernon	Ross Seed Co., Louisville, Ky.	L 99.50 F +	L 90 F -	Excessive
0-4566....577	Bedford & Tuttle, Winchester	Lewis Seed Co., Louisville, Ky.	L 95.77 F -	L 80 + 5 F +	Excessive
0-4593....	E. W. Simpson, Owenton	Ross Seed Co., Louisville, Ky.	L 99.36 F -	L 90 F +	
0-4604....326	Ratliff Bros. Co., Carlisle	The Livingston Seed Co., Cincinnati, Ohio	L 99.42 F -	L 80 + 10 F +	
0-4677....981	Keith & Lykins, Springdale	The Market Gardeners' Seed Co., Cincinnati, Ohio	L 95 F -	L 78 + 2 F +	
0-4684....1194	L. C. Littrell, Owenton	National Seed Co., Louisville, Ky.	L 99.16 F +	L 85 + 5 F 70 + 4	
0-4696....981	Walton & Rednour, Walton	The Market Gardeners' Seed Co., Cincinnati, Ohio	L 95 F +	L 78 F -	
Sweet Clover					
0-4608....	Yellow Blossom—1102 L. C. McLoney & Sons, Cynthiana	Chambers Seed Co., Louisville, Ky.	L 98.10 F +	L 50 + 25 F -	
0-4609....	White Blossom—1109 L. C. McLoney & Sons, Cynthiana	Chambers Seed Co., Louisville, Ky.	L 99.25 F +	L 55 + 20 F +	
0-4623....1709	Millersburg Coal & Lumber Co., Millersburg	The Livingston Seed Co., Cincinnati, Ohio	L 99.30 F +	L 68 + 17 F +	
Korean Lespedeza					
0-4407....2	Davis Hdw. Co., Columbia	Pennyroyal Seed Co., Hopkinsville, Ky.	L 99.60 F -	L 80 + 10 F +	

TABLE 1.—ANALYSES OF SEEDS—Continued

Lab. No.	Kind of seed and name and address of dealer	Purchased from	Purity Percent	Germination Percent	Noxious weed seed
0-4432....303	Dairyman's Feed & Supply Co., Mayfield	Ottawa Hdw. Co., Ottawa, Kansas	L 98 F —	L 45 F +	
0-4433....281	Dairyman's Feed & Supply Co., Mayfield	Ottawa, Hdw. Co., Ottawa, Kansas	L 98 F +	L 45 F +	
0-4435....L-474	A. B. Beale & Son, Murray	Corneli Seed Co., St. Louis, Missouri	L 98.22 F +	L 61 + 29 F +	
0-4438....Y & C	J. M. Hunt & Son, Wickliffe	Covington Bros. & Co., Paducah, Ky.	L 99 F +	L 87 + 15 F —	
0-4440....H. D. Jones, Glasgow		J. E. Patterson, Gallatin, Tenn.	L 90 F 64.23	L 70 F +	Excessive
0-4441....Hollingsworth & Chappell, Tompkinsville		J. E. Patterson, Gallatin, Tenn.	L 96 F —	L 70 + 10 F +	
0-4442....Hollingsworth & Chappell, Tompkinsville		J. E. Patterson, Gallatin, Tenn.	L 80 F 65.65	L 70 + 10 F —	Excessive
0-4444....Meade & Co., Paintsville		Sphar & Co., Winchester, Ky.	L 98.50 F —	L 75 + 15 F +	
0-4449....216	Paintsville Groc. Co., Paintsville	The Mahan, Co., Winchester, Ky.	L 99 F +	L 90 F +	
0-4450....Paintsville Groc. Co., Paintsville		Louisville Seed Co., Louisville, Ky.	L 98.50 F +	L 80 + 10 F +	
0-4451....803	Sandy Valley Groc. Co., Paintsville	Garth & Chestnut, Trenton, Ky.	L 99 F —	L 85 + 10 F +	
0-4455....Albert Carpenter, Salyersville		Ross Seed Co., Louisville, Ky.	L 98.50 F +	L 80 + 10 F +	
0-4459....Salyersville Whls. Co., Salyersville		Sphar & Co., Winchester, Ky.	L 98.50 F +	L 75 + 15 F +	
0-4463....19	Geo. P. Taylor Co., Burnside	Pennyroyal Seed Co., Hopkinsville, Ky.	L 98.04 F —	L 80 + 10 F —	
0-4464....Caulk Hdw. Co., Campbellsville		Thomas Blevins, Campbellsville, Ky.	L 95 F +	L 80 + 5 F —	
0-4469....159	H. D. Jones, Glasgow	J. B. Lucas Seed Co., Franklin, Ky.	L 98.38 F +	L 80 + 10 F +	
0-4470....1702	Clell Coleman & Sons, Harrodsburg	National Seed Co., Louisville, Ky.	L 93 F 89.61	L 60 + 30 F +	
0-4473....4	Miller Hdw. Co., Jamestown	Pennyroyal Seed Co., Hopkinsville, Ky.	L 99.54 F +	L 80 + 10 F +	
0-4476....1428	Elliott Lumber Co., Lancaster	Chambers Seed Co., Louisville, Ky.	L 98.50 F +	L 70 + 20 F +	

TABLE 1.—ANALYSES OF SEEDS—Continued

Lab. No.	Kind of seed and name and address of dealer	Purchased from	Purity Percent	Germination Percent	Noxious weed seed
0-4478....2909	Garrard Mills, Lancaster	Scott Seed Co., New Albany, Ind.	L 98 F +	L 60 + 30 F +	
0-4480....18	Liberty Hdw. Co., Liberty	Pennyroyal Seed Co., Hopkinsville, Ky.	L 99.28 F +	L 80 + 10 F +	
0-4484....O. E. Bernard, Russell Springs		Central Whls. Co., Danville, Ky.	L 99.78 F 97.93	L 84 F +	
0-4485....2—No. 1 Russell County Stockyard Co., Russell Springs		Allison Shipp, Campbellsville, Ky.	L 99.60 F —	L 80 + 10 F +	
0-4486....4329 G. M. Estes, Science Hill		Farmers Elevator Co., Franklin, Ky.	L 98.50 F +	L 69 + 18 F +	
0-4487....14 Ramsey Supply Co., Somerset		Green Bros., Nashville, Tenn.	L 98.50 F +	L 80 + 10 F +	
0-4489....Baughman Milling Co., Stanford		Lewis Seed Co., Louisville, Ky.	L 97.50 F +	L 80 + 10 F +	
0-4491....C-207 Sauffey & Bell, Stanford		The Livingston Seed Co., Cincinnati, Ohio	L 98.28 F —	L 61 + 29 F +	
0-4492....106 Harlin Railey & Carter, Tompkinsville		J. B. Lucas Seed Co., Franklin, Ky.	L 90 F +	L 80 + 10 F —	
0-4512....American Hdw. Co., Bowling Green		E. B. Jordan, Oakland, Ky.	L 99.85 F —	L 85 + 11 F —	
0-4514....87 Cash Grocery, Cave City		K. G. Griffin, Kingston Springs, Tenn.	L 97 F 88.24	L 75 + 10 F 40 + 11	Excessive
0-4516....65 Ragland, Potter Co., Hopkinsville		Ragland, Potter Co., Nashville, Tenn.	L 98.50 F +	L 80 + 10 F +	
0-4519....C S C—Daybreak G. M. Haycraft & Son, Leitchfield		Chambers Seed Co., Louisville, Ky.	L 98.50 F —	L 70 + 20 F +	
0-4520....10 Aaron L. Moore, Leitchfield		Pennyroyal Seed Co., Hopkinsville, Ky.	L 99.42 F +	L 80 + 10 F +	
0-4524....Hart Bros., Berea		The C. S. Brent Seed Co., Lexington, Ky.	L 98.50 F +	L 80 + 12 F +	
0-4527....216 William Stanley, Corbin		National Seed Co., Louisville, Ky.	L 99 F —	L 76 + 14 F +	
0-4530....Triplet's Store, Corbin		Lewis Seed Co., Louisville, Ky.	L 98 F +	L 80 + 10 F +	
0-4531....Triplet's Store, Corbin		Lewis Seed Co., Louisville, Ky.	L 97.50 F —	L 80 + 10 F —	
0-4533....3230 Tom Craft, East Bernstadt		Lewis Seed Co., Louisville, Ky.	L 98 F +	L 80 + 10 F +	

TABLE 1.—ANALYSES OF SEEDS—Continued

Lab. No.	Kind of seed and name and address of dealer	Purchased from	Purity Percent	Germination Percent	Noxious weed seed
0-4535....2917	Watkins Whls. Groc. Co., East Bernstadt	Scott Seed Co., New Albany, Ind.	L 95 F —	L 60 + 20 F +	
0-4536....2900	Watkins Whl. Groc. Co., East Burnstadt	Scott Seed Co., New Albany, Ind.	L 95 F +	L 60 + 20 F —	
0-4541....	Farmers Supply Co., Lexington	Sphar & Co., Winchester, Ky.	L 98.50 F —	L 80 + 10 F +	
0-4543....2923	Fayette Seed Co., Lexington	Scott Seed Co., New Albany, Ind.	L 99 F +	L 70 + 20 F +	
0-4544....	Fayette Seed Co., Lexington	Ross Seed Co., Louisville, Ky.	L 98.50 F —	L 80 + 10 F +	
0-4546....1767	Blank Mt. Vernon	Ross Seed Co., Louisville, Ky.	L 97.60 F —	L 80 + 14 F +	Excessive
0-4547....4325	City Feed & Grain Co., Whitley City	Geo. P. Taylor Co., Burnside, Ky.	L 98.28 F —	L 69 + 24 F +	
0-4548....	City Feed & Grain Co., Whitley City	Ross Seed Co., Louisville, Ky.	L 98.50 F +	L 80 + 10 F +	
0-4549....	Joe H. Early Hdw. Co., Williamsburg	Louisville Seed Co., Louisville, Ky.	L 98.50 F +	L 80 F +	
0-4550....1429	Renfro Supply Co., Williamsburg	Chambers Seed Co., Louisville, Ky.	L 98.50 F +	L 70 + 20 F +	
0-4553....	Booneville Whls. Co., Booneville	Ross Seed Co., Louisville, Ky.	L 98.50 F +	L 70 + 15 F +	
0-4554....	Booneville Whls. Co., Booneville	Ross Seed Co., Louisville, Ky.	L 97.50 F +	L 60 + 25 F —	
0-4558....971	The Regal Store, Morehead	The Market Gardeners' Seed Co., Cincinnati, Ohio	L 98.50 F +	L 85 + 6 F —	
0-4559....1075	The Regal Store, Morehead	The Market Gardeners' Seed Co., Cincinnati, Ohio	L 98.50 F +	L 80 + 10 F +	
0-4560....814	Union Groc. Co., Morehead	Garth & Chestnut, Trenton, Ky.	L 99 F +	L 85 + 10 F +	
0-4564....3205	Bedford & Tuttle, Winchester	Scott Seed Co., New Albany, Ind.	L 95 F —	L 60 + 20 F —	
0-4583....1075	Warsaw Hdw. Co., Warsaw	The Market Gardeners' Seed Co., Cincinnati, Ohio	L 98.50 F +	L 80 + 10 F —	
0-4585....216	Arthur Blackaby, Eminence	National Seed Co., Louisville, Ky.	L 99 F —	L 70 + 20 F +	
0-4603....	C S C—Daybreak Ratliff Bros. Co., Carlisle	Chambers Seed Co., Louisville, Ky.	L 98.50 F +	L 70 + 20 F +	

TABLE 1.—ANALYSES OF SEEDS—Continued

Lab. No.	Kind of seed and name and address of dealer	Purchased from	Purity Percent	Germination Percent	Noxious weed seed
0-4607....1430	L. C. McLoney & Sons, Cynthiana	Chambers Seed Co., Louisville, Ky.	L 98.50 F +	L 70 + 20 F +	
0-4614....C-214	John A. Sheehan, Falmouth	The Livingston Seed Co., Cincinnati, Ohio	L 99 F +	L 70 + 21 F +	
0-4615....W. L. Thomas Hatchery, Flemingsburg		Sphar & Co., Winchester, Ky.	L 99 F —	L 80 + 10 F +	
0-4616....Morgan & Crenshaw, Georgetown		The Market Gardeners' Seed Co., Cincinnati, Ohio	L 98.50 F +	L 85 + 5 F +	
0-4622....A M S-6-C L-661 Millersburg Coal & Lbr. Co., Millersburg		Rudy-Patrick Seed Co., Kansas City, Missouri	L 98.62 F +	L 65 + 20 F +	
0-4641....771 Merchants Groc. Co., Pikeville		Garth & Chestnut, Trenton, Ky.	L 99 F +	L 85 + 10 F —	
0-4646....199 Bunton Seed Co., Louisville		J. B. Lucas Seed Co., Franklin, Ky.	L 98 F +	L 80 + 10 F +	
0-4647....199 Bunton Seed Co., Louisville		J. B. Lucas Seed Co., Franklin, Ky.	L 98 F +	L 80 + 10 F +	
0-4648....199 Bunton Seed Co., Louisville		J. B. Lucas Seed Co., Franklin, Ky.	L 98 F +	L 80 + 10 F +	
0-4649....199 Bunton Seed Co., Louisville		J. B. Lucas Seed Co., Franklin, Ky.	L 98 F +	L 80 + 10 F +	
0-4659....C 213 John A. Sheehan, Falmouth		The Livingston Seed Co., Cincinnati, Ohio	L 95.50 F —	L 70 + 20 F 49 + 38	Excessive
0-4660....Z-60 Cut Rate Groc., Flemingsburg		Louisville Seed Co., Louisville, Ky.	L 96.50 F +	L 60 + 30 F +	
0-4666....5863 N. S. Dudley & Son, Flemingsburg		The J. Chas. McCullough Seed Co., Cincinnati, Ohio	L 98.18 F +	L 65 + 20 F +	
0-4668....A. T. Sanders, Lancaster		Louisville Seed Co., Louisville, Ky.	L 98.50 F +	L 80 + 10 F +	
0-4672....W. H. Brock & Co., Maysville		Sphar & Co., Winchester, Ky.	L 98.50 F +	L 80 + 10 F +	
0-4676....971 Keith & Lykins, Springdale		The Market Gardeners' Seed Co., Cincinnati, Ohio	L 98.50 F +	L 85 + 6 F +	
0-4681....1787 Burkesville Feed & Grain House, Burkesville		Unknown	L 88 F +	L 55 + 25 F 41 + 14	
0-4682....G. S. C. -1 A. T. Hayes Hdw. Co., Glendale		Gregory Seed Co., Winchester, Tenn.	L 92 F —	L 75 + 10 F 47 + 12	Excessive

TABLE 1.—ANALYSES OF SEEDS—Continued

Lab. No.	Kind of seed and name and address of dealer	Purchased from	Purity Percent	Germination Percent	Noxious weed seed
0-4683....140	L. C. Littrell, Owenton	National Seed Co., Louisville, Ky.	L 98 F +	L 60 + 30 F +	
0-4698....4327	Robinson & Turley, Richmond	Farmers Elevator Co., Franklin, Ky.	L 98.50 F +	L 69 + 18 F +	
0-4703....216	The Mahan Co., Winchester	Cayce-Yost Co., Hopkinsville, Ky.	L 99.15 F +	L 91 + 8 F —	
0-4751....Glenwood Hatchery, Owenton		Lewis Seed Co., Louisville, Ky.	L 98 F +	L 80 + 10 F +	
Barley					
0-4329....Bearded-A43	Farmers Supply Co., Lexington	Sphar & Co., Winchester	L 95 F +	L 90 F +	
0-4346....Beardless	Allen & Jenkins, Bowling Green	Lewis Seed Co., Louisville, Ky.	L 98 F +	L 85 F +	
0-4353....Smooth Head—S. C. C.	Scottsville Feed Co., Scottsville	J. B. Lucas Seed Co., Franklin, Ky.	L 99.80 F +	L 80 F +	
0-4362....Beardless—DEH	Grigsby & Co., Bardstown	Farmers Elevator Co., Franklin, Ky.	L 99.50 F +	L 90 F +	
0-4375....Bearded	Garrard Mills, Lancaster	Sphar & Co., Winchester, Ky.	L 95 F +	L 90 F +	
0-4376....Bearded	Robinson & Turley, Richmond	Sphar & Co., Winchester, Ky.	L 95 F +	L 90 F +	
0-4388....Beardless-Tenn. 5-4318	Ross-Hollingsworth & Co., Tompkinsville	E. K. Hardison Seed Co., Nashville, Tenn.	L 98.07 F +	L 85 F 28	
0-4406....Bearded—5305	J. F. Bertram & Son, Vanceburg	The J. Chas. McCullough Seed Co., Cincinnati, Ohio	L 96.43 F +	L 90 F +	
Cane					
0-4692....Orange-6	E. W. Simpson, Owenton	National Seed Co., Louisville, Ky.	L 97.48 F 92.61	L 77 F +	
0-4693....Honey Drip-8	E. W. Simpson, Owenton	National Seed Co., Louisville, Ky.	L 97.94 F 90.69	L 75 F +	
0-4699....Madison County Farmers Supply Co., Richmond		Sphar & Co., Winchester, Ky.	L 98 F +	L 80 F +	
0-4705....Orange-130	W. H. Brock & Son, Winchester	Chambers Seed Co., Louisville, Ky.	L 97.60 F +	L 75 F 63	
0-4714....Honey Drip	Ky. Hdw. & Impl. Co., Fulton	Louisville Seed Co., Louisville, Ky.	L 98 F —	L 80 F —	

TABLE 1.—ANALYSES OF SEEDS—Continued

Lab. No.	Kind of seed and name and address of dealer	Purchased from	Purity Percent	Germination Percent	Noxious weed seed
0-4752	Orange Top Glenwood Hatchery, Owenton	Lewis Seed Co., Louisville, Ky.	L 97 F +	L 77 F +	
0-4753	Orange-6 E. W. Simpson, Owenton	National Seed Co., Louisville, Ky.	L 97.48 F +	L 77 F +	
0-4758	Atlas Collins Hdw. Co., Frankfort	The C. S. Brent Seed Co., Lexington, Ky.	L Blank F 99.36	L Blank F 84	
0-4759	Orange-130 Gentry McCauley Seed Co., Versailles	Chambers Seed Co., Louisville, Ky.	L 97.60 F +	L 75 F 51	
Corn					
0-4436	Goldmine Ross Feed & Seed Co., Murray	L. P. Cook & Son, Memphis, Tenn.	L 99 F +	L 85 F +	
0-4437	Reid's Yellow Dent Ross Feed & Seed Co., Murray	L. P. Cook & Son, Memphis, Tenn.	L 99 F +	L 88 F +	
0-4639	Hickory King Farmers Supply Co., Pikeville	Ross Seed Co., Louisville, Ky.	L 99.40 F +	L 95 F +	
0-4640	Johnson County White Farmers Supply Co., Pikeville	Ross Seed Co., Louisville, Ky.	L 99.50 F +	L 90 F +	
0-4652	840-458 M. T. Riley Seed Co., Paducah	Edwin J. Funk & Sons, Kentland, Ind.	L 99 F +	L 95 F +	
0-4653	U. S. 13-1159 M. T. Riley Seed Co., Paducah	Edwin J. Funk & Sons, Kentland, Ind.	L 99 F +	L 95 F +	
0-4654	707-1357 M. T. Riley Seed Co., Paducah	Edwin J. Funk & Sons, Kentland, Ind.	L 99 F +	L 95 F +	
0-4655	829-4398 M. T. Riley Seed Co., Paducah	Edwin J. Funk & Sons, Kentland, Ind.	L 99 F +	L 95 F +	
0-4661	78B-M95476 N. S. Dudley & Son, Flemingsburg	J. C. Everett Co., Maysville, Ky.	L 99.50 F +	L 90 F +	
0-4662	U. S. 13 N. S. Dudley & Son, Flemingsburg	V. C. Razor, Flemingsburg, Ky.	L — F —	L 99 F +	
0-4663	U. S. 13 N. S. Dudley & Son, Flemingsburg	National Seed Co., Louisville, Ky.	L 99 F +	L 90 F —	
0-4664	U. S. 13 C-400 Flemingsburg Hatchery, Flemingsburg	The Livingston Seed Co., Cincinnati, Ohio	L 99.50 F +	L 95 F +	
0-4686	U. S. 13 Morgan & Crenshaw, Georgetown	S. J. Stokes & Son, Lexington, Ky.	L 99 F +	L 99 F —	

TABLE 1.—ANALYSES OF SEEDS—Continued

Lab. No.	Kind of seed and name and address of dealer	Purchased from	Purity Percent	Germination Percent	Noxious weed seed
0-4687	Funk's-G 70 Morgan & Crenshaw, Georgetown	Lewis Seed Co., Louisville, Ky.	L 99 F +	L 90 F +	
0-4688	Ky. 72 Morgan & Crenshaw, Georgetown	Steed & Haynes, Lexington, Ky.	L — F —	L 99 F +	
0-4689	Ky. 203 Morgan & Crenshaw, Georgetown	Ky. Cardinal Farms, Henderson, Ky.	L 99 F +	L 90 F +	
0-4694	U. S. 13 E. W. Simpson, Owenton	W. L. Williams, Wilmington, Ohio	L 99 F +	L 90 F +	
0-4700	Reid's Yellow Dent Madison County Farmers Supply Co., Richmond	Ross Seed Co., Louisville, Ky.	L 99.50 F +	L 90 F —	
0-4704	840 The Mahan Co., Winchester	Chambers Seed Co., Louisville, Ky.	L 99 F +	L 95 F +	
0-4706	U. S. 13 W. H. Brock & Son, Winchester	F. W. Rickard, Winchester, Ky.	L 99 F +	L 95 F +	
0-4707	Reid's Yellow Dent W. H. Brock & Son, Winchester	Chambers Seed Co., Louisville, Ky.	L 98 F +	L 90 F +	
0-4708	U. S. 13-3 Carlisle Mill & Supply Co., Carlisle	The Livingston Seed Co., Cincinnati, Ohio	L 99.50 F +	L 95 F +	
0-4709	U. S. 13 Carlisle Mill & Supply Co., Carlisle	National Seed Co., Louisville, Ky.	L — F —	L 98 F —	
0-4726	Leaming Yellow-1703 Ky. Hdw. & Impl. Co., Fulton	Russell-Heckle Seed Co., Memphis, Tenn.	L 99.10 F +	L 80 F +	
0-4727	Hickory King Cecilian Milling Co., Elizabethtown	Chambers Seed Co., Louisville, Ky.	L 98 F +	L 90 F +	
0-4728	Johnson County White Cecilian Milling Co., Elizabethtown	Chambers Seed Co., Louisville, Ky.	L 98 F +	L 90 F +	
0-4729	U. S. 13 Cecilian Milling Co., Elizabethtown	Chambers Seed Co., Louisville, Ky.	L 98 F +	L 90 F +	
0-4730	U. S. 13 Thomas Hdw. Co., Owenton	The Livingston Seed Co., Cincinnati, Ohio	L 99.90 F +	L 95 F +	
0-4731	U. S. 13 Dodd's Corner, Nicholasville	Kilpatrick & Embry, Henderson, Ky.	L — F —	L 90 F +	
0-4732	Funk's-G94 Baughman Milling Co., Stanford	Lewis Seed Co., Louisville, Ky.	L 99 F +	L 90 F +	

TABLE 1.—ANALYSES OF SEEDS—Continued

Lab. No.	Kind of seed and name and address of dealer	Purchased from	Purity Percent	Germination Percent	Noxious weed seed
0-4733.....72B	Parker S. Cooper, Monticello	S. D. Broadbent, Jr., Cobb, Ky.	L — F —	L 100 F —	
0-4734.....	Sweepstakes Hybrid No. 2453 McCauley Bros. Seed Co., Versailles	T. W. Wood & Sons, Richmond, Va.	L 99 F +	L 85 F —	
0-4735.....	Reid's Yellow Dent E. W. Simpson, Owenton	Chambers Seed Co., Louisville, Ky.	L 98 F +	L 90 F —	
0-4736.....	U. S. 13 Glenwood Hatchery, Owenton	Lewis Seed Co., Louisville, Ky.	L 99 F +	L 90 F +	
0-4737.....	Hickory King-3854 Gentry McCauley Seed Co., Versailles	Scott Seed Co., New Albany, Ind.	L 99 F +	L 90 F +	
0-4738.....	840-158 Gentry McCauley Seed Co., Versailles	Edwin J. Funk & Sons, Kentland, Ind.	L 99 F +	L 95 F +	
0-4739.....	Ky. 103 Gentry McCauley Seed Co., Versailles	W. L. Williams, Wilmington, Ohio	L 99 F +	L 90 F +	
0-4740.....	Ky. 203 Gentry McCauley Seed Co., Versailles	W. L. Williams, Wilmington, Ohio	L 99 F +	L 90 F +	
0-4741.....	U. S. 13 McCauley Bros. Seed Co., Versailles	Ross Seed Co., Louisville, Ky.	L 99.50 F +	L 85 F +	
0-4742.....	Tenn. Red Cob J. E. M. Milling Co., Frankfort	Louisville Seed Co., Louisville, Ky.	L 98 F +	L 90 F +	
0-4743.....	Ky. 103 Gentry McCauley Seed Co., Versailles	F. W. Richard, Winchester, Ky.	L 99 F +	L 95 F +	
0-4744.....	Ky. 72 Gentry McCauley Seed Co., Versailles	Steed & Haynes, Lexington, Ky.	L 99 F +	L 99 F +	
0-4745.....	Reid's Yellow Dent-3851 Gentry McCauley Seed Co., Versailles	Scott Seed Co., New Albany, Ind.	L 99 F +	L 90 F +	
0-4746.....	U. S. 13-13159 Gentry McCauley Seed Co., Versailles	Edwin J. Funk & Sons, Kentland, Ind.	L 99 F +	L 95 F —	
0-4747.....	U. S. 13 McCauley Bros. Seed Co., Versailles	S. J. Stokes & Son, Lexington, Ky.	L 99 F +	L 99 F +	
0-4748.....	Stevens White-II McCauley Bros. Seed Co., Versailles	Unknown	L 99 F +	L 98 E +	
0-4749.....	Hickory King J. E. M. Milling Co., Frankfort	Louisville Seed Co., Louisville, Ky.	L 98 F +	L 90 F +	

TABLE 1.—ANALYSES OF SEEDS—Continued

Lab. No.	Kind of seed and name and address of dealer	Purchased from	Purity Percent	Germination Percent	Noxious weed seed
0-4750	U. S. 13 Glenwood Hatchery, Owenton	The C. S. Brent Seed Co., Lexington, Ky.	L 99 F +	L 90 F +	
0-4769	Tucker's Favorite Monarch Milling Co., Mt. Sterling	The C. S. Brent Seed Co., Lexington, Ky.	L 99 F +	L 90 F —	
0-4770	Iowa Silver Mine Monarch Milling Co., Mt. Sterling	Unknown	L 99 F +	L 90 F +	
0-4771	Boone County White Monarch Milling Co., Mt. Sterling	Ross Seed Co., Louisville, Ky.	L 99.50 F +	L 90 F —	
0-4772	Adams Early Monarch Milling Co., Mt. Sterling	The C. S. Brent Seed Co., Lexington, Ky.	L 99 F +	L 90 F —	
0-4773	Country Gentleman Monarch Milling Co., Mt. Sterling	The C. S. Brent Seed Co., Lexington, Ky.	L 99 F +	L 90 F 82	
0-4774	U. S. 13 Monarch Milling Co., Mt. Sterling	Benton County Hybrid Seed Assn., Oxford, Ind.	L 99 F +	L 90 F +	
0-4775	Hickory King Monarch Milling Co., Mt. Sterling	Ross Seed Co., Louisville, Ky.	L 99.40 F +	L 95 F +	
0-4776	U. S. 13 Monarch Milling Co., Mt. Sterling	Edwin J. Funk & Sons, Kentland, Ind.	L 99 F +	L 95 F +	
0-4777	Johnson County White Monarch Milling Co., Mt. Sterling	Ross Seed Co., Louisville, Ky.	L 99.50 F +	L 90 F 82	
0-4778	Johnson County White Bedford & Tuttle, Winchester	Ross Seed Co., Louisville, Ky.	L 99.50 F +	L 90 F —	
0-4779	Reid's Yellow Dent Bedford & Tuttle, Winchester	Louisville Seed Co., Louisville, Ky.	L 98 F +	L 90 F +	
0-4780	Johnson County White Grayson Milling Co., Grayson	The J. Chas. McCullough Seed Co., Cincinnati, Ohio	L 99.50 F +	L 90 F +	
0-4781	U. S. 44-C Staggs Bros., Vanceburg	The J. Chas. McCullough Seed Co., Cincinnati, Ohio	L 99.50 F +	L 95 F +	
0-4782	Johnson—1017 John A. Sheehan, Falmouth	The Market Gardeners' Seed Co., Cincinnati, Ohio	L 98 F +	L 85 F +	
0-4783	U. S. 13 Farmers & Merchants Milling Co., Brooksville	The Market Gardeners' Seed Co., Cincinnati, Ohio	L 99 F +	L 90 F +	
Oats					
0-4381	Winter Stanley's Store Corbin	Louisville Seed Co., Louisville, Ky.	L 98 F 95.81	L 90 F +	

TABLE 1.—ANALYSES OF SEEDS—Continued

Lab. No.	Kind of seed and name and address of dealer	Purchased from	Purity Percent	Germination Percent	Noxious weed seed
0-4397	Winter Turf Garrard Mills, Lancaster	Sphar & Co., Winchester, Ky.	L 91 F +	L 85 F +	
0-4452	Northern Spring Williams Groc. Co., Paintsville	Sphar & Co., Winchester, Ky.	L 95 F +	L 80 F +	
0-4456	Winter Turf Albert Carpenter, Salyersville	Sphar & Co., Winchester, Ky.	L 98 F +	L 90 F +	
0-4457	Northern Spring Albert Carpenter, Salyersville	Sphar & Co., Winchester, Ky.	L 95 F +	L 80 F +	
0-4458	Winter Turf M. W. Marcum, Salyersville	Sphar & Co., Winchester, Ky.	L 98 F +	L 90 F +	
0-4461	Burt Burkesville Feed & Grain Co., Burkesville	Henry Fruechtenicht, Louisville, Ky.	L 95 F 77.55	L 90 F 70	
0-4468	Fulghum—18 G. H. Bowles & Son, Glasgow	W. P. Bell & Co., Nashville, Tenn.	L 90 F +	L 90 F —	
0-4474	Red Miller Hdw. Co., Jamestown	E. S. Ferrill & Son, Buffalo, Ky.	L 99 F +	L 90 F +	
0-4488	Northern White Roscoe Morris, Somerset	Henry Fruechtenicht, Louisville, Ky.	L 96 F +	L 90 F +	
0-4525	Northern White Hart Bros., Berea	The C. S. Brent Seed Co., Lexington, Ky.	L 98 F 94.07	L 90 F +	
0-4528	Red William Stanley, Corbin	Ross Seed Co., Louisville, Ky.	L 99 F —	L 90 F +	
0-4529	Winter Type William Stanley, Corbin	Ross Seed Co., Louisville, Ky.	L 98 F +	L 90 F +	
0-4534	Winter Turf Tom Craft, East Bernstadt	Lewis Seed Co., Louisville, Ky.	L 98 F +	L 85 F +	
0-4537	Red Watkins Whls. Groc. Co., East Bernstadt	Henry Fruechtenicht, Louisville, Ky.	L 96 F +	L 90 F +	
0-4555	Northern Spring Booneville Whls. Co., Booneville	Sphar & Co., Winchester, Ky.	L 95 F +	L 80 F +	
0-4561	Red—305 Union Groc. Co., Morehead	The Early & Daniel Co., Cincinnati, Ohio	L 95 F +	L 91 F +	
0-4565	Winter—225 Bedford & Tuttle, Winchester	Winchester Feed Co., Winchester, Ky.	L 99 F 92.60	L 90 F 77	

TABLE 1.—ANALYSES OF SEEDS—Continued

Lab. No.	Kind of seed and name and address of dealer	Purchased from	Purity Percent	Germination Percent	Noxious weed seed
0-4586....	Victory Arthur Blackaby, Eminence	Louisville Seed Co., Louisville, Ky.	L 98 F +	L 90 F +	
0-4642....	Red 305 Merchants Groc. Co., Pikeville	The Early & Daniel Co., Cincinnati, Ohio	L 95 F +	L 91 F —	
0-4657....	Columbia Farmers & Merchants Milling Co., Brooksville	The Market Gardeners' Seed Co., Cincinnati, Ohio	L 97 F +	L 85 F +	
0-4658....	White Farmers & Merchants Milling Co., Brooksville	The Market Gardeners' Seed Co., Cincinnati, Ohio	L 97 F +	L 85 F +	
0-4667....	Northern White—6084 N. S. Dudley & Son, Flemingsburg	The J. Chas. McCullough Seed Co., Cincinnati, Ohio	L 98 F —	L 93 F 85	
0-4701....	Winter Turf L. H. Sparks, McKee	Sphar & Co., Winchester, Ky.	L 98 F +	L 90 F +	
Rye					
0-4327....	Northern White A-43 Farmers Supply Co., Lexington	Sphar & Co., Winchester, Ky.	L 95 F +	L 80 F —	
0-4328....	Balbo Farmers Supply Co., Lexington	Sphar & Co., Winchester, Ky.	L 95 F +	L 85 F +	
0-4336....	Balbo 1 W. H. Brock & Co., Maysville	Unknown	L 90 F +	L 90 F —	
0-4338....	Balbo 5483 Melvin Hart, Falmouth	The J. Chas. McCullough Seed Co., Cincinnati, Ohio	L 99 F +	L 90 F +	
0-4339....	E D Veach C. Redd, Cynthiana	The Early & Daniel Co., Cincinnati, Ohio	L 99 F 95.93	L 90 F 78	
0-4341....	Balbo C S C Cecilian Milling Co., Elizabethtown	Chambers Seed Co., Louisville, Ky.	L 98 F +	L 85 F 76	
0-4342....	Northern White C S C Cecilian Milling Co., Elizabethtown	Chambers Seed Co., Louisville, Ky.	L 98 F 95.96	L 90 F 82	
0-4344....	Western C. E. Allen & Jenkins, Bowling Green	C. B. Ragland Co., Nashville, Tenn.	L 96.04 F +	L 85 F +	
0-4345....	Rosen Allen & Jenkins, Bowling Green	Lewis Seed Co., Louisville, Ky.	L 98 F —	L 85 F +	
0-4354....	Balbo J. F. Scottsville Feed Co., Scottsville	J. B. Lucas Seed Co., Franklin, Ky.	L 96.99 F +	L 80 F +	
0-4356....	Rosen H. W. Smith, Horse Cave	Lewis Seed Co., Louisville, Ky.	L 98 F —	L 85 F —	

TABLE 1.—ANALYSES OF SEEDS—Continued

Lab. No.	Kind of seed and name and address of dealer	Purchased from	Purity Percent	Germination Percent	Noxious weed seed
0-4357....	Northern White Horse Cave Hdw. Co., Horse Cave	Bundy Bros., Vallonia, Ind.	L 99 F —	L 70 F +	
0-4364....	Northern White 1 J. H. Cross, Albany	E. S. Ferrill & Son, Buffalo, Ky.	L 96.5 F 94.10	L 80 F 31	Excessive
0-4365....	Balbo 80 McWhorter & Thrasher, Albany	National Seed Co., Louisville, Ky.	L 99 F —	L 85 F +	
0-4366....	Balbo McWhorter & Thrasher, Albany	Ross Seed Co., Louisville, Ky.	L 97 F —	L 80 F +	
0-4369....	Rosen Morris Bros., Somerset	Lewis Seed Co., Louisville, Ky.	L 98 F 92.04	L 85 F —	
0-4370....	Balbo Morris Bros., Somerset	Lewis Seed Co., Louisville, Ky.	L 98 F —	L 85 F 69	
0-4379....	B Middlesboro Feed Co., Middlesboro	Security Feed & Seed Co., Knoxville, Tenn.	L 95 F +	L 85 F 74	
0-4386....	Balbo B-432 J. C. Cook, Tompkinsville	C. B. Ragland Co., Nashville, Tenn.	L 95 F +	L 93 F —	
0-4387....	Winter Type 125 Ross-Hollingsworth & Co., Tompkinsville	Gillette Grain Co., Nashville, Tenn.	L 95 F —	L 80 F +	
0-4391....	Balbo W. S. Allen, Liberty	Ross Seed Co., Louisville, Ky.	L 99 F —	L 80 F —	
0-4392....	Northern Type W. S. Allen, Liberty	Ross Seed Co., Louisville, Ky.	L 98 F —	L 85 F +	
Soybeans					
0-4445....	Virginia Brown Meade & Co., Paintsville	Sphar & Co., Winchester, Ky.	L 95 F +	L 90 F +	
0-4446....	Black Wilson Meade & Co., Paintsville	Sphar & Co., Winchester, Ky.	L 95 F +	L 90 F —	
0-4471....	Black Clell Coleman & Sons, Harrodsburg	Ross Seed Co., Louisville, Ky.	L 98 F +	L 80 F +	
0-4542....	Manchu Farmers Supply Co., Lexington	Sphar & Co., Winchester, Ky.	L 95 F +	L 90 F —	
0-4551....	Yellow-Purdue No. 7 Renfro Supply Co., Williamsburg	Sphar & Co., Winchester, Ky.	L 95 F +	L 80 F +	
0-4552....	Black Wilson Renfro Supply Co., Williamsburg	Sphar & Co., Winchester, Ky.	L 95 F +	L 90 F —	

TABLE 1.—ANALYSES OF SEEDS—Continued

Lab. No.	Kind of seed and name and address of dealer	Purchased from	Purity Percent	Germination Percent	Noxious weed seed
0-4556	Black Wilson Booneville Whls. Co., Booneville	Sphar & Co., Winchester, Ky.	L 95 F +	L 90 F +	
0-4562	Black Wilson Union Groc. Co., Morehead	Sphar & Co., Winchester, Ky.	L 95 F 92.23	L 90 F +	
0-4643	Black Merchants Groc. Co., Pikeville	Ross Seed Co., Louisville, Ky.	L 96 F +	L 80 F +	
0-4656	Kingwa 3 M. T. Riley Seed Co., Paducah	J. M. Schultz Seed Co., Dieterich, Ill.	L 98 F 92.12	L 80 + 5 F +	
0-4691	Black 2017 E. W. Simpson, Owenton	National Seed Co., Louisville, Ky.	L 98.50 F —	L 81 F +	
0-4702	Manchu Harlan Fruit Co., Harlan	Sphar & Co., Winchester, Ky.	L 95 F +	L 90 F +	
0-4712	Wilson Louisa Supply Co., Louisa	J. E. Goslee, Stockley, Delaware	L 96 F +	L 90 F +	
0-4713	Manchu Louisa Supply Co., Louisa	The Ohio Grain Co., Milford Center, Ohio	L 98 F +	L 94 + 1 F +	
0-4754	Yellow J. E. M. Milling Co., Frankfort	Louisville Seed Co., Louisville, Ky.	L 98 F 94.33	L 80 F —	
0-4755	Black J. E. M. Milling Co., Frankfort	Louisville Seed Co., Louisville, Ky.	L 98 F +	L 85 F +	
0-4756	Wilson 1012 Thomas Hdw. Co., Owenton	The Market Gardeners' Seed Co., Cincinnati, Ohio	L 97 F 89.21	L 85 F —	
0-4760	Yellow Staggs, Bros., Vanceburg	The Market Gardeners' Seed Co., Cincinnati, Ohio	L 98 F +	L 85 F +	
0-4762	Manchu Union Groc. Co., Morehead	Sphar & Co., Winchester, Ky.	L 95 F —	L 90 F +	
0-4763	Black Wilson Union Groc. Co., Morehead	The C. S. Brent Seed Co., Lexington, Ky.	L 98 F +	L 90 F +	
0-4764	Mandell-L John A. Sheehan Falmouth	Foster-Kendall Co., Carmel, Ind.	L 99.50 F —	L 90 F +	
0-4765	Wilson John A. Sheehan Falmouth	The Livingston Seed Co., Cincinnati, Ohio	L 98.50 F —	L 85 F +	
0-4766	Virginia Grayson Milling Co., Grayson	Louisville Seed Co., Louisville, Ky.	L 97 F +	L 85 F +	

TABLE 1.—ANALYSES OF SEEDS—Continued

Lab. No.	Kind of seed and name and address of dealer	Purchased from	Purity Percent	Germination Percent	Noxious weed seed
0-4767	Black Y-208 Grayson Milling Co., Grayson	Louisville Seed Co., Louisville, Ky.	L 97 F —	L 85 F +	
0-4768	Yellow Grayson Milling Co., Grayson	Louisville Seed Co., Louisville, Ky.	L 98 F —	L 85 F +	
Wheat					
0-4351	Thorn G. H. Bowles & Son, Glasgow	Louisville Seed Co., Louisville, Ky.	L 98 F +	L 83 F +	
0-4380	Smooth Triplet's Store, Corbin	Louisville Seed Co., Louisville, Ky.	L 98 F +	L 90 F +	
0-4395	Bearded W. S. Allen, Liberty	Ross Seed Co., Louisville, Ky.	L 99 F +	L 80 F +	
0-4399	Leaps Prolific Garrard Mills, Lancaster	Reist Seed Co., Lancaster, Pa.	L 99.50 F —	L 92 F 67	
0-4403	New Crop E. W. Simpson, Owenton	Woodford Spears & Sons, Paris, Ky.	L Blank F 98.29	L Blank F 41	Excessive
Miscellaneous					
0-4349	Vetch H. D. Jones, Glasgow	Ross Seed Co., Louisville, Ky.	L 99 F +	L 75 + 14 F +	
0-4513	Rape, Dwarf Essex 4178 McLean County Hdw. Co., Calhoun	Purcell Seed Co., Evansville, Ind.	L 99.58 F +	L 92 F +	
0-4522	Rape, Dwarf Essex C. Rowland, Owensboro	Harralson's Feed & Seed Store, Owensboro, Ky.	L 99.58 F +	L 92 F +	
0-4592	Mixture, Alsike & Red Clover E. W. Simpson, Owenton	Ross Seed Co., Louisville, Ky.	L 96 F —	L 61 F +	
0-4715	Sudan Grass M 5755 Ky. Hdw. & Impl. Co., Fulton	Louisville Seed Co., Louisville, Ky.	L 98 F +	L 80 F +	
Vegetables					
0-4719	Giant Sou. Curled Mustard C Fulton Hdw. & Furn. Co., Fulton	United States Seed Co., St. Louis, Missouri	L 98 F +	L 80 F +	
0-4720	Seven-top Turnip 853 Fulton Hdw. & Furn. Co., Fulton	United States Seed Co., St. Louis, Missouri	L 98 F +	L 80 F +	
0-4721	Laxtonian Peas 1 Fulton Hdw. & Furn. Co., Fulton	United States Seed Co., St. Louis, Missouri	L 98 F +	L 85 F +	
0-4722	Full Measure Dwarf Beans 1 Fulton Hdw. & Furn. Co., Fulton	United States Seed Co., St. Louis, Missouri	L 98 F +	L 90 F +	

TABLE 1.—ANALYSES OF SEEDS—Continued

Lab. No.	Kind of seed and name and address of dealer	Purchased from	Purity Percent	Germination Percent	Noxious weed seed
0-4723....	Dwarf Lima Beans C Fulton Hdw. & Furn. Co., Fulton	United States Seed Co., St. Louis, Missouri	L 98 F +	L 90 F +	
0-4724....	Ky. Wonder Pole Beans 1 Fulton Hdw. & Furn. Co., Fulton	United States Seed Co., St. Louis, Missouri	L 98 F +	L 90 F +	
0-4725....	Red Valentine Beans 1 Fulton Hdw. & Furn. Co., Fulton	United States Seed Co., St. Louis, Missouri	L 98 F +	L 90 F +	
Tobacco					
0-4408....	16 Caulk Hdw. Co., Campbellsville	C. H. McLemore, Midway, Ky.	L 99.80 F +	L 85 F —	
0-4409....	41A Caulk Hdw. Co., Campbellsville	R. L. Nunnelley, Stanford, Ky.	L 99.80 F +	L 85 F +	
0-4410....	33 Caulk Hdw. Co., Campbellsville	J. V. Shipp Seed Co., Midway, Ky.	L 99.80 F +	L 85 F +	
0-4411....	Judy's Pride Caulk Hdw. Co., Campbellsville	W. S. Judy, Pine Grove, Ky.	L — F —	L 95 L 69	
0-4412....	16 Barger Bros., Columbia	Geo. D. Harrison, Lebanon, Ky.	L 99.80 F +	L 85 F —	
0-4413....	16 Barger Bros., Columbia	S. J. Stokes & Son, Lexington, Ky.	L 99.80 F +	L 85 F +	
0-4414....	16 Barger Bros., Columbia	H. C. Sullivan Farm, Russell Springs, Ky.	L 99.80 F +	L 85 F +	
0-4415....	16 Davis Hdw. Co., Columbia	Sever's Ridgeview Farm, Cloverport, Ky.	L 99.80 F +	L 85 F —	
0-4416....	16 Davis Hdw. Co., Columbia	Hill & Sanders, Harrodsburg, Ky.	L 99.80 F +	L 85 F +	
0-4417....	16 Davis Hdw. Co., Columbia	Boston & Boston Campbellsville, Ky.	L 99.80 F +	L 85 F +	
0-4418....	I A R Davis Hdw. Co., Columbia	J. W. Bell & Sons, Paris, Ky.	L — F —	L 80 F 66	
0-4419....	41 A C. R. Hutchison & Sons, Columbia	Dixie Stock Farms, Lancaster, Ky.	L 99.80 F +	L 85 F +	
0-4420....	41 A C. R. Hutchison & Sons, Columbia	J. V. Shipp Seed Co., Midway, Ky.	L 99.80 F +	L 86 F —	
0-4421....	41 A C. R. Hutchison & Sons, Columbia	K. T. McMahan, Greensburg, Ky.	L 99.80 F +	L 85 F +	

TABLE 1.—ANALYSES OF SEEDS—Continued

Lab. No.	Kind of seed and name and address of dealer	Purchased from	Purity Percent	Germination Percent	Noxious weed seed
0-4422	Barnett's Special Lebanon Carriage & Impl. Co., Lebanon	J. A. Wallace, Sulphur Well, Ky.	L — F —	L 87 F +	
0-4423	Canadian Lebanon Carriage & Impl. Co., Lebanon	J. R. Hardin, Springfield, Ky.	L — F —	L 92 F 83	
0-4424	41 A Lebanon Carriage & Impl. Co., Lebanon	R. L. Clark, Springfield, Ky.	L 99.80 F +	L 85 F —	
0-4425	Golden Burley T 13544 Barnett & Washburn, New Castle	Harry & Tate Bird, Shelbyville, Ky.	L — F —	L 87 F —	
0-4426	Golden Burley 1 Barnett & Washburn, New Castle	R. G. Lusby & Sons, Owenton, Ky.	L 98 F +	L 90 F +	
0-4427	41 A Barnett & Washburn, New Castle	Harry & Tate Bird, Shelbyville, Ky.	L 99.80 F +	L 85 F —	
0-4428	16 Barnett & Washburn, New Castle	J. V. Shipp Seed Co., Midway, Ky.	L 99.80 F +	L 85 F +	
0-4493	Barnett Special Curtis & McComas, Burkesville	Albert Booker, Smiths Grove, Ky.	L — F —	L Blank F 64	
0-4494	16 Davis Hdw. Co., Columbia	Boston & Boston Campbellsville, Ky.	L 99.80 F +	L 86 F —	
0-4495	16 Davis Hdw. Co., Columbia	James M. White, Paris, Ky.	L 99.80 F +	L 85 F +	
0-4496	Golden Leaf Farmers Supply Co., Harrodsburg	Dulin & Hazelwood, Danville, Ky.	L — F —	L Blank F 80	
0-4497	16 Miller Hdw. Co., Jamestown	H. C. Sullivan Farm, Russell Springs, Ky.	L 99.80 F +	L 85 F +	
0-4498	16 W. A. Farnau, Lancaster	C. H. McLemore, Midway, Ky.	L 99.80 F +	L 85 F +	
0-4499	16 Elliott Lumber Co., Lancaster	Hill & Sanders, Harrodsburg, Ky.	L 99.80 F +	L 85 F +	
0-4500	16 Liberty Hdw. Co., Liberty	Geo. D. Harrison, Lebanon, Ky.	L 99.80 F +	L 85 F —	
0-4501	Kelley's Parker S. Cooper, Monticello	B. L. Kelly & Sons, Lancaster, Ky.	L — F —	L 87 F +	
0-4502	16 Parker S. Cooper, Monticello	H. J. Hayes, Monticello, Ky.	L 99.80 F +	L 85 F —	

TABLE 1.—ANALYSES OF SEEDS—Continued

Lab. No.	Kind of seed and name and address of dealer	Purchased from	Purity Percent	Germination Percent	Noxious weed seed
0-4503....	Improved Warner The C. T. Ashley & Co., Nicholasville	McClintock Seed Co., Cynthiana, Ky.	L — L —	L Blank F 83	
0-4504....	41 A The C. T. Ashley & Co., Nicholasville	Dixie Stock Farms, Lancaster, Ky.	L 99.80 F +	L 85 F +	
0-4505....	16 The C. T. Ashley & Co., Nicholasville	W. J. Baxter, Nicholasville, Ky.	L 99.80 F +	L 85 F +	
0-4506....	16 The C. T. Ashley & Co., Nicholasville	Chancellor & Duncan, Lexington, Ky.	L 99.80 F +	L 85 F +	
0-4507....	Canadian J. H. McClure, Springfield	J. R. Hardin, Springfield, Ky.	L — F —	L 92 F 82	
0-4508....	41 A J. H. McClure, Springfield	R. L. Clark, Springfield, Ky.	L 99.80 F +	L 85 F —	
0-4509....	Improved Warner, Baughman Milling Co., Stanford	McClintock Seed Co., Cynthiana, Ky.	L — F —	L 91 F 72	
0-4523....	41 A Anderson Ice Co., Lawrenceburg	Harry & Tate Bird, Shelbyville, Ky.	L 99.80 F +	L 85 F 76	
0-4567....	Improved White Pepper Bedford & Tuttle, Winchester	Tandy Chenault, Mt. Sterling, Ky.	L — F —	L Blank F 77	
0-4568....	Growers White Gold Bedford & Tuttle, Winchester	Aldridge Seed Co., Winchester, Ky.	L — F —	L Blank F 69	
0-4569....	Jordan's Special Bedford & Tuttle, Winchester	A. J. Jordan & Son, Winchester, Ky.	L — F —	L Blank F 74	
0-4570....	Warner's George Drug Store, Winchester	Clay Bedford, Cynthiana, Ky.	L — F —	L 92 F 84	
0-4571....	19 George Drug Store, Winchester	F. W. Rickard, Winchester, Ky.	L — F —	L 80 F —	
0-4572....	16 Farm Bureau Store, Carrollton	Chancellor & Duncan, Lexington, Ky.	L 99.80 F +	L 85 F +	
0-4573....	16 Farm Bureau Store, Carrollton	R. G. Lusby & Sons, Owenton, Ky.	L 99.80 F +	L 85 F +	
0-4574....	19 Farm Bureau Store, Carrollton	F. W. Rickard, Winchester, Ky.	L — F —	L 80 F +	
0-4575....	33 Farm Bureau Store, Carrollton	J. V. Shipp Seed Co., Midway, Ky.	L 99.80 F +	L 85 F +	

TABLE 1.—ANALYSES OF SEEDS—Continued

Lab. No.	Kind of seed and name and address of dealer	Purchased from	Purity Percent	Germination Percent	Noxious weed seed
0-4576....41 A	Farm Bureau Store, Carrollton	Chancellor & Duncan, Lexington, Ky.	L 99.80 F +	L 85 F +	
0-4577....	Golden Burley Farm Bureau Store, Carrollton	R. G. Lusby & Sons, Owenton, Ky.	L — F —	L 90 F +	
0-4578....	Warner Farmers Supply Co., Eminence	Nobel Earle, Berry, Ky.	L — F —	L 92 F —	
0-4579....	Warner Farmers Supply Co., Eminence	Clay Bedford, Cynthiana, Ky.	L — F —	L 85 F +	
0-4580....	Golden Burley Warsaw Hdw. Co., Warsaw	W. L. Stafford & Sons, Worthville, Ky.	L — F —	L 95 F 66	
0-4581....	Warner Warsaw Hdw. Co., Warsaw	Nobel Earle, Berry, Ky.	L — F —	L 92 F 78	
0-4624....	Type 2 George C. Goode, Covington	James Casey, Boyd, Ky.	L — F —	L 92 F 65	
0-4625....	Yellow Stem Twist Bud L. C. McLoney & Sons, Cynthiana	Nobel Earle, Berry, Ky.	L — F —	L 90 F —	
0-4626....41 A	L. C. McLoney & Sons, Cynthiana	Newton D. Kearns, Cynthiana, Ky.	L 99.80 F +	L 80 F —	
0-4627....	Warner L. C. McLoney & Sons, Cynthiana	Walter McCauley & Son, Cynthiana, Ky.	L — F —	L Blank F 73	
0-4628....	Warner L. C. McLoney & Sons, Cynthiana	Nobel Earle, Berry, Ky.	L — F —	L 87 F —	
0-4629....19	L. C. McLoney & Sons, Cynthiana	F. W. Rickard, Winchester, Ky.	L — F —	L 80 F +	
0-4630....33	L. C. McLoney & Sons, Cynthiana	F. W. Rickard, Winchester, Ky.	L 99.80 F +	L 85 F —	
0-4631....52	L. C. McLoney & Sons, Cynthiana	F. W. Rickard, Winchester, Ky.	L — F —	L 70 F +	
0-4632....	White Pepper 2 L. C. McLoney & Sons, Cynthiana	C. Pepper, Paris, Ky.	L — L —	L 93 F —	
0-4633....41 A	Melvin Hart, Falmouth	Rupert S. Rees, Foster, Ky.	L 99.80 F +	L 85 F —	
0-4634....16	Melvin Hart, Falmouth	James M. White, Paris, Ky.	L 99.80 F +	L 85 F +	

TABLE 1.—ANALYSES OF SEEDS—Continued

Lab. No.	Kind of seed and name and address of dealer	Purchased from	Purity Percent	Germination Percent	Noxious weed seed
0-4635....41 A	Gorman & Edmond, Flemingsburg	V. C. Razor & Son, Flemingsburg, Ky.	L 99.80 F +	L 65 F +	
0-4636....1942	John B. Penn & Sons, Georgetown	Unknown	L — F —	L 94 F 84	
0-4637....Warner	J. C. Everett Co., Maysville	Walter McCauley & Son, Cynthiana, Ky.	L — F —	L 93 F 62	
4638....Canadian	J. C. Everett Co., Maysville	Albert Manion, Mayslick, Ky.	L — F —	L 95 F —	
0-4679....41 A	N. S. Dudley & Son, Flemingsburg	V. C. Razor & Son, Flemingsburg, Ky.	L 99.80 F +	L 65 F +	
0-4680....16	Brewer & Graham N. S. Dudley & Son, Flemingsburg	The C. S. Brent Seed Co., Lexington, Ky.	L 99.80 F +	L 85 F —	

TABLE 2. WHOLESALE DEALERS

Name	Address	Number of samples	Unlawful
Aldridge Seed Co.	Winchester, Ky.	1	1
Baxter, W. J.	Nicholasville, Ky. ..	1	0
Bedford, Clay	Cynthiana, Ky.	2	1
Bell, J. W. & Sons	Paris, Ky.	1	1
Bell, W. P. & Co.	Nashville, Tenn.	1	0
Benton Co. Hybrid Seed Ass'n.	Oxford, Ind.	1	0
Bird, Harry & Tate	Shelbyville, Ky.	3	1
Blevins, Thomas	Campbellsville, Ky. ..	1	0
Booker, Albert	Smiths Grove, Ky.	1	1
Boston & Boston	Campbellsville, Ky. ..	2	0
Brent & Co.	Paris, Ky.	1	0
Brent, The C. S., Seed Co.	Lexington, Ky.	11	3
Broadbent, S. D., Jr.	Cobb, Ky.	1	0
Bundy Bros.	Vallonia, Ind.	1	0
Casey, James	Boyd, Ky.	1	1
Cayce-Yost Co.	Hopkinsville, Ky. ..	1	0
Central Whls. Co.	Danville, Ky.	1	1
Chambers Seed Co.	Louisville, Ky.	25	6
Chancellor & Duncan	Lexington, Ky.	3	0
Chenault, Tandy	Mt. Sterling, Ky.	1	1
Clark, R. L.	Springfield, Ky.	2	0
Cook, L. P. & Son	Memphis, Tenn.	2	0
Corneli Seed Co.	St. Louis, Missouri ..	1	0
Covington Bros. & Co.	Paducah, Ky.	2	0
Dairyman's Feed & Supply Co.	Mayfield, Ky.	1	0
Dixie Stock Farms	Lancaster, Ky.	2	0
Dobson-Hicks Co.	Nashville, Tenn.	2	0
Dulin & Hazelwood	Danville, Ky.	1	1
Earle, Nobel	Berry, Ky.	4	1
Early & Daniel Co., The	Cincinnati, Ohio	3	1
Everett, J. C.	Maysville, Ky.	1	0
Farmers Elevator Co.	Franklin, Ky.	4	0
Ferrill, E. S. & Son	Buffalo, Ky.	2	1
Foster-Kendall Co.	Carmel, Ind.	1	0
Fruechtenicht, Henry	Louisville, Ky.	3	1

TABLE 2. WHOLESALE DEALERS—Continued

Name	Address	Number of samples	Unlawful
Funk, Edwin J. & Son	Kentland, Ind.	7	0
Garrard Mills	Lancaster, Ky.	1	0
Garth & Chestnut	Trenton, Ky.	3	0
Gillette Grain Co.	Nashville, Tenn.	1	0
Goslee, J. E.	Stockley, Delaware	1	0
Green Bros.	Nashville, Tenn.	1	1
Gregory Seed Co.	Winchester, Tenn.	1	
Griffin, K. G.	Kingston Springs, Tenn.	1	1
	Springfield, Ky.	2	2
Hardin, J. R.	Nashville, Tenn.	1	1
Hardison, E. K. Seed Co.	Owensboro, Ky.	2	0
Harralson's Feed & Seed Store	Lebanon, Ky.	2	0
Harrison, Geo D.	Monticello, Ky.	1	0
Hayes, H. J.	Harrodsburg, Ky.	2	0
Hill & Sanders	Winchester, Ky.	1	1
Jordan, A. J. & Son	Winchester, Ky.	1	0
Jordan, E. B.	Oakland, Ky.	1	1
Judy, W. S.	Pine Grove, Ky.	1	0
Kearns, Newton D.	Cynthiana, Ky.	1	0
Kelly, B. L. & Sons	Lancaster, Ky.	1	0
Kentucky Cardinal Farms	Henderson, Ky.	1	0
Kilpatrick & Embry	Henderson, Ky.	1	6
Lewis Seed Co.	Louisville, Ky.	25	3
Livingston Seed Co., The	Cincinnati, Ohio	25	5
Louisville Seed Co.,	Louisville, Ky.	33	0
Lucas, J. B., Seed Co.	Franklin, Ky.	11	0
Lusby, R. G. & Sons	Owenton, Ky.	3	0
McCauley, Walter & Son	Cynthiana, Ky.	2	2
McClintock Seed Co.	Cynthiana, Ky.	2	2
McCullough, The J. Chas. Seed Co.	Cincinnati, Ohio	10	3
McLemore, C. H.	Midway, Ky.	2	0
McMahan, K. T.	Greensburg, Ky.	1	0
Mahan Co., The	Winchester, Ky.	4	3
Mangelsdorf, Ed. F., & Bro.	St. Louis, Mo.	2	0
Manion, Albert	Mayslick, Ky.	1	0
Market Gardeners' Seed Co., The	Cincinnati, Ohio	22	2
National Seed Co.	Cincinnati, Ohio	17	6
Nunnelley, R. L.	Louisville, Ky.	1	0
Ohio Grain Co., The	Stanford, Ky.	1	0
Ottawa Hdw. Co.	Milford Center, O.	1	0
Patterson, J. E.	Ottawa, Kansas	2	0
Pennyroyal Seed Co.	Gallatin, Tenn.	3	2
Pepper, C.	Hopkinsville, Ky.	5	0
Purcell Seed Co.	Paris, Ky.	1	0
Ragland, C. B., Co.	Evansville, Ind.	1	0
Ragland, Potter & Co.	Nashville, Tenn.	3	0
Ragland, Potter & Co.	Glasgow, Ky.	1	0
Razor, V. C. & Son	Nashville, Tenn.	2	1
Rees, Rupert S.	Flemingsburg, Ky.	3	0
Reist Seed Co.	Foster, Ky.	1	0
Rickard, F. W.	Lancaster, Pa.	1	1
Ross Seed Co.	Winchester, Ky.	7	0
Rudy-Patrick Seed Co.	Louisville, Ky.	35	4
Russell-Heckle Seed Co.	Kansas City, Mo.	1	0
Schultz, J. M. Seed Co.	Memphis, Tenn.	1	0
Scott Seed Co.	Dieterich, Ill.	5	1
Security Seed & Feed Co.	New Albany, Ind.	14	3
Severs Ridgeview Farm	Knoxville, Tenn.	1	1
Shipp, Allison	Cloverport, Ky.	1	0
Shipp, J. V., Seed Co.	Campbellsville, Ky.	1	0
Shultz Seed Co.	Midway, Ky.	4	0
Smith, E. M. & Son	Olney, Ind.	2	0
Spears, Woodford & Sons	Cynthiana, Ky.	2	1
Sphar & Co.	Paris, Ky.	6	1
Stafford, W. L. & Sons	Winchester, Ky.	33	3
Steed & Haynes	Worthville, Ky.	1	1
Stokes, S. J. & Son	Lexington, Ky.	2	0
Sullivan, H. C., Farm	Lexington, Ky.	3	0
Taylor, G. M., Seed Co.	Russell Spgs., Ky.	2	0
	Georgetown, Ky.	2	2

TABLE 2. WHOLESALE DEALERS

Name	Address	Number of samples	Unlawful
Taylor, George P.	Burnside, Ky.	1	0
United States Seed Co.	St. Louis, Mo.	7	0
Wallace, J. A.	Sulphur Well, Ky... ..	1	0
White, James M.	Paris, Ky.	2	0
Williams, W. L.	Wilmington, O.	3	0
Winchester Feed Co.	Winchester, Ky.	1	0
Wood, T. W., & Sons.....	Richmond, Va.	1	0
Yopp Seed Co.	Paducah, Ky.	2	0
Unknown	7	3
Total		457	86

TABLE 3. KIND AND NUMBER OF VIOLATIONS

Kind of seed	No. of samples	Purity	Germination	Noxious weeds	Total samples unlawful
Bluegrass	38	2	10	5	14
Millet	2	0	0	0	0
Orchard grass	12	1	0	1	2
Red Top	8	0	0	0	0
Rye grass	2	0	0	2	2
Timothy	33	0	2	8	8
Alfalfa	18	0	0	0	0
Alsike	3	0	0	0	0
Crimson clover	5	0	0	0	0
Red clover	14	0	2	4	6
Sweet clover	3	0	0	0	0
Korean lespedeza	80	5	4	6	9
Barley	8	0	1	0	1
Cane	9	3	3	0	5
Corn	63	0	2	0	2
Oats	24	4	3	0	5
Rye	22	4	6	1	7
Soybeans	25	4	0	0	4
Wheat	5	1	2	1	2
Miscellaneous	5	0	0	0	0
Vegetables	7	0	0	0	0
Tobacco	71	0	19	0	19
Total	457	24	54	28	86