

Kentucky Agricultural Experiment Station

UNIVERSITY OF KENTUCKY

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SEED INSPECTION IN KENTUCKY, 1941-42

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The present Kentucky Seed Law has been in operation for ten years. During this time there has been considerable improvement in the seed situation in the state. The more flagrant practices of adulteration and misbranding have, to a large extent, disappeared; sales of untagged seed by truckmen and small dealers are becoming more and more rare; and, largely because of our educational program, farmers are more alert, using to a greater extent than ever before, the information on the seed tags.

Certain trends are evident in the analysis of seed samples. The smooth, easily cleaned seeds, such as red clover and alfalfa, have maintained a fairly uniform, high standard of quality. The rough seeds, such as unhulled lespedeza and sweet clover, while much above the standards of ten years ago, are about 2 percent off this year. The chaffy seeds, such as bluegrass, orchard grass and redtop, have shown quite an improvement, redtop, especially, having a purity nearly 10 percent above that of 1932.

The wholesale dealers of Kentucky and adjoining states and the retail dealers of Kentucky are showing a very commendable spirit of cooperation and helpfulness in the enforcement of the seed law.

Farmers and dealers are using the Seed Laboratory more and more each year, as shown by the increasing number of

samples sent in for analysis. This is a service for which the laboratory is well equipped, and all samples received are promptly analyzed and reported. However, **we will not undertake** to test unhulled tobacco and bluegrass seed or samples of any seed containing hulls, straw, sticks, or other such coarse matter. Such samples require more time than we can possibly give to them, and results of tests on these seed are very unsatisfactory.

During the fiscal year, July 1, 1941, to June 30, 1942, 4,381 lots of seed were inspected and 544 official samples taken. Results of official inspection and analyses of samples taken from lots of seed exposed for sale in the state during this period are shown in the tables on the 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, absence of tags, and the results of official analyses of samples. The variations allowed in purity, germination, and weed seed per ounce are the same as those published in Kentucky Regulatory Series, Bulletin No. 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-faced 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, 1941-42

Lab. No.	Kind of seed and name and address of dealer	Purchased from	Purity	Germination	Noxious weed seed
Bluegrass			Percent	Percent	
0-3121	Monarch Milling Co., Mt. Sterling	W. P. Little, Lexington, Ky.	L 80.92 F +	L 89 F +	Not listed
0-3126	84629 W. H. Brock & Co., Winchester	R. A. Taylor, Winchester, Ky.	L 79.42 F —	L 61 F +	
0-3127	C-1302 Bedford & Tuttle, Winchester	The Livingston Seed Co., Cincinnati, Ohio	L 87.73 F —	L 80 F +	
0-3131	Lester L. Lynd, Ashland	Unknown	L 85 F +	L 85 F +	
0-3132	Harlan Fruit Co., Harlan	The Mahan Co., Winchester, Ky.	L 85 F +	L 80 F +	
0-3139	London Hdw. Co., London	Unknown	L 83 F —	L 80 F +	
0-3141	172 Grigsby & Co., Bardstown	Chambers Seed Co., Louisville, Ky.	L 85 F +	L 80 F +	
0-3155	66 Lambert-Grisham Hdw. Co., Henderson	J. M. Schultz Seed Co., Dieterich, Ill.	L 88.17 F —	L 80 F +	
0-3156	52 Denton Hdw. Co., Madisonville	J. M. Schultz Seed Co., Dieterich, Ill.	L 87.05 F 80.46	Not given F 91	
0-3158	McFarland Impl. & Seed Co., Bowling Green	Louisville Seed Co., Louisville, Ky.	L 85 F 80.35	L 80 F +	
0-3182	1680 W. H. Arnold & Co., Madisonville	Purcell Seed Co., Evansville, Ind.	L 99.10 F —	L 80 F +	
0-3193	Farmers Union Supply Co., Versailles	Ross Seed Co., Louisville, Ky.	L 85 F +	L 80 F +	
0-3200	1 Millersburg Coal & Lmb. Co., Millersburg	James S. Wilson & Sons, Paris, Ky.	L 85 F —	L 85 F —	
0-3201	N. S. Dudley & Son, Flemingsburg	Louisville Seed Co., Louisville, Ky.	L 85 F +	L 80 F +	
0-3202	C-1302 Ratliff Bros. Co., Carlisle	The Livingston Seed Co., Cincinnati, Ohio	L 87.73 F +	L 80 F +	
0-3205	C-13037 T. C. Linville Mt. Olivet	The Livingston Seed Co., Cincinnati, Ohio	L 87.73 F —	L 80 F —	
0-3206	C-1303-1 W. H. Brock & Co., Winchester	The Livingston Seed Co., Cincinnati, Ohio	L 85.76 F 80.64	L 80 F 62	
0-3207	C-1309 J. C. Everett Co., Maysville	The Livingston Seed Co., Cincinnati, Ohio	L 85.30 F —	L 80 F +	
0-3209	C-1202 John A. Sheehan, Falmouth	The Livingston Seed Co., Cincinnati, Ohio	L 87.73 F —	L 80 F —	

TABLE 1.—ANALYSES OF SEEDS—Continued

Lab. No.	Kind of seed and name and address of dealer	Purchased from	Purity		Germination	Noxious weed seed
			Percent	Percent		
0-3212....20½lb	Williamstown Roller Mills, Williamstown	W. P. Little, Lexington, Ky.	L 80.92 F —	L 89 F —		Excessive
0-3213....1-S	Williamstown Roller Mills, Williamstown	L. C. McLoney & Son, Cynthiana, Ky.	L 93.26 F 78.91	L 91 F —		Not Listed
0-3216....148520	L. C. Littrell, Owenton	Woodford Spears & Sons, Paris, Ky.	L 85.70 F +	L 80 F —		
0-3217....420	Webster Hdw. Co., Jonesville	The Market Gardeners' Seed Co., Cincinnati, O.	L 86.85 F —	L 82 F —		
0-3219....42141	H. F. Fowler, Germantown	Woodford Spears & Sons, Paris, Ky.	L 84.47 F +	L 83 F +		
0-3221....C-1302	Lancaster Milling Co., Lancaster	The Livingston Seed Co., Cincinnati, Ohio	L 87.73 F —	L L 80 F +		
0-3223....2602	Garrard Mills, Lancaster	Scott Seed Co., New Albany, Ind.	L 85 F +	L 80 F +		
0-3229....Anderson & Spilman, Danville		Ross Seed Co., Louisville, Ky.	L 85 F —	L 80 F +		Excessive
0-3241....Farmers Supply Co., Eminence		Louisville Seed Co., Louisville, Ky.	L 85 F —	L 85 F +		
0-3243....172	Cecilian Milling Co., Elizabethtown	Chambers Seed Co., Louisville, Ky.	L 85 F +	L 80 F +		
0-3248—2601	J. A. Bennett, Taylorsville	Scott Seed Co., New Albany, Ind.	L 85 F +	L 80 F +		
0-3251....A. B. Waggoner, Burkesville		Ross Seed Co., Louisville, Ky.	L 80 F —	L 80 F —		
0-3252....1462	Curtis & McComas, Burkesville	National Seed Co., Louisville, Ky.	L 82 F —	L 80 F —		
0-3263....Baughman Milling Co., Stanford		Louisville Seed Co., Louisville, Ky.	L 71.25 F +	L 80 F +		Excessive
0-3276....168 A	Mrs. Harvey Ward, Munfordville	Chambers Seed Co., Louisville, Ky.	L 85.06 F +	L Blank F 76		
0-3282....Iva B. Blackburn, Dry Ridge		Williamstown Roller Mills, Williamstown, Ky.	L 85 F 76.87	L 85 F +		Not listed
0-3284....104	Powell-Hackney Groc. Co., Jackson	The Mahan Co., Winchester, Ky.	L 86 F 75.75	L 80 F —		
0-3295....L	Ratliff Bros. Co., Carlisle	Spears-Kiser Co., Paris, Ky.	L 85 F +	L 80 F +		

TABLE 1.—ANALYSES OF SEEDS—Continued

Lab. No.	Kind of seed and name and address of dealer	Purchased from	Purity	Germination	Noxious weed seed
0-3296	Burg Kinner, Greenup	The Livingston Seed Co., Cincinnati, Ohio	Percent L 80 F —	Percent L 80 F 42	
0-3299	1471 E. S. Ferrill & Son, Buffalo	National Seed Co., Louisville, Ky.	L 72 F —	L 80 F +	
0-3305	Cross Groc., Albany	Lewis Seed Co., Louisville, Ky.	L 85 F —	L 80 F +	
0-3308	Premium J. W. Purkey & Sons, Berea	The C. S. Brent Seed Co., Lexington, Ky.	L 85.71 F +	L 82 F +	
0-3313	2602 Garrard Mills, Lancaster	Scott Seed Co., New Albany, Ind.	L 85 F —	L 80 F —	
0-3317	C-1335 Lancaster Milling Co., Lancaster	The Livingston Seed Co., Cincinnati, Ohio	L 85.43 F —	L 80 F —	Not listed
0-3323	106 L. A. Sparks, McKee	The Mahan Co., Winchester, Ky.	L 85 F 80.30	L 80 F 65	
0-3324	Bell Cty. Supply Co., Middlesboro	Louisville Seed Co., Louisville, Ky.	L 85 F +	L 80 F +	
0-3337	Dodd's Corner, Nicholasville	Ross Seed Co., Louisville, Ky.	L 85 F —	L 80 F +	
0-3341	41-17 Lillard Miles, Nicholasville	Sphar & Co., Winchester, Ky.	L 85 F +	L 80 F +	
0-3347	176 Morris Bros., Somerset	Chambers Seed Co., Louisville, Ky.	L 87.34 F —	L 91 F 79	
0-3355	Baughman Milling Co., Stanford	Louisville Seed Co., Louisville, Ky.	L 71.25 F +	L 80 F +	
0-3358	B-15 Sandy Valley Groc. Co., Ashland	Louisville Seed Co., Louisville, Ky.	L 85 F +	L 80 F +	
0-3362	C-1314 Carlisle Mill & Supply Co., Carlisle	The Livingston Seed Co., Cincinnati, Ohio	L 85.43 F +	L 80 F —	
0-3363	Carlisle Mill & Supply Co., Carlisle	Louisville Seed Co., Louisville, Ky.	L 85 F +	L 85 F +	
0-3370	C-1314 Adams & More, Cynthiana	The Livingston Seed Co., Cincinnati, Ohio	L 85.43 F +	L 80 F —	
0-3373	541 V. C. Redd, Cynthiana	E. M. Smith & Son, Cynthiana, Ky.	L 85 F —	L 80 F +	
0-3375	441 VanHook Hdw. Co., Cynthiana	E. M. Smith & Son, Cynthiana, Ky.	L 85 F +	L 80 F +	Not listed
0-3376	420 Cut Rate Grocery, Flemingsburg	The Market Gardeners' Seed Co., Cincinnati, O.	L 86.85 F —	L 82 F —	

TABLE 1.—ANALYSES OF SEEDS—Continued

Lab. No.	Kind of seed and name and address of dealer	Purchased from	Purity	Germination	Noxious weed seed
0-3380.....	10-15 No. 1 Charles E. Rankin, Flemingsburg	Woodford Spears & Sons, Paris, Ky.	Percent L 85.73 F +	Percent L 83 F +	
0-3387.....	1336 Roy H. Vice, Owingsville	The Livingston Seed Co., Cincinnati, Ohio	L 85.43 F +	L 80 F —	
0-3395.....	W. H. Brock & Co., Winchester	R. D. Taylor, Winchester, Ky.	L 79.22 F 55.34	L 64 F +	
0-3400.....	41-17 Booneville Whlsg. Feed Co., Booneville	Sphar & Co., Winchester, Ky.	L 82.40 F +	L 85 F +	
0-3411.....	Morrell Supply Co., Prestonsburg	Lexington Seed Co., Lexington, Ky.	L 80 F +	L 85 F +	
0-3413.....	W. M. Marcum, Salyersville	Louisville Seed Co., Louisville, Ky.	L 85 F +	L 80 F +	
0-3421.....	The Big Store, Harrodsburg	National Seed Co., Louisville, Ky.	L Blank F 1.24	L Blank F 40	
0-3442.....	Garrard Mills Lancaster	Louisville Seed Co., Louisville, Ky.	L 85 F —	L 80 F —	
0-3447.....	A. B. Waggoner, Burkesville	Ross Seed Co., Louisville, Ky.	L 80 F +	L 80 F —	
0-3462.....	Clell Coleman & Son, Harrodsburg	Louisville Seed Co., Louisville, Ky.	L 85 F —	L 80 F —	
0-3464.....	172 Farmers Supply Co., Harrodsburg	Chambers Seed Co., Louisville, Ky.	L 85 F 79.80	L 80 F +	
0-3524.....	City Market, Berea	The C. S. Brent Seed Co., Lexington, Ky.	L 85.71 F —	L 82 F —	
0-3549.....	71 Ragland, Potter & Co., Hopkinsville	Ragland, Potter & Co., Nashville, Tennessee	L 80.78 F +	L 81 F —	
0-3573.....	72 Denton Hdw. Co., Madisonville	J. M. Schultz Seed Co., Dieterich, Ill.	L 85.40 F +	L 80 F +	
0-3580.....	Corbett Hdw. Co., Elizabethtown	Lewis Seed Co., Louisville, Ky.	L 85 F —	L 80 F +	
0-3588.....	8211 J. C. Everett Co., Maysville	Brent & Co., Paris, Ky.	L 85 F —	L 85 F 68	
0-3610.....	174 George P. Taylor Co., Burnside	Chambers Seed Co., Louisville, Ky.	L 79.49 F —	L 94 F 78	
0-3591.....	Millet Feeders Supply Co., Catlettsburg	Ross Seed Co., Louisville, Ky.	L 99 F +	L 90 F +	
0-3636.....	McCauley Bros. Seed Co., Versailles	Ross Seed Co., Louisville, Ky.	L 99 F +	L 85 F —	

TABLE 1.—ANALYSES OF SEEDS—Continued

Lab. No.	Kind of seed and name and address of dealer	Purchased from	Purity	Germination	Noxious weed seed
Orchard Grass					
0-3135	Dixie Feed Store, Middlesboro	Louisville Seed Co., Louisville, Ky.	L 85 F +	L 85 F +	Excessive
0-3258	J. H. Tate & Co., Monticello	National Seed Co., Louisville, Ky.	L 65 F —	L 80 F +	Excessive
0-3291	8803 Lawson Hdw. Co., Greenup	The J. Chas. McCullough Seed Co., Cincinnati, O.	L 86.6 F 79.10	L 86 F —	
0-3315	Garrard Mills, Lancaster	Ross Seed Co., Louisville, Ky.	L 85 F +	L 85 F +	
0-3325	Bell Cty. Supply Co., Middlesboro	Louisville Seed Co., Louisville, Ky.	L 85 F —	L 85 F +	
0-3344	C. W. White, Richmond	The C. S. Brent Seed Co., Lexington, Ky.	L 47.74 F +	L 84 F —	
0-3345	204 Citizens Milling Co., Somerset	National Seed Co., Louisville, Ky.	L 65 F —	L 90 F —	
0-3361	208 Sandy Valley Groc. Co., Ashland	Louisville Seed Co., Louisville, Ky.	L 85 F +	L 85 F +	Not listed
0-3365	9709 Dorsey Bros. & Fisher, Carlisle	The J. Chas. McCullough Seed Co., Cincinnati, O.	L 85.15 F 79.56	L 85 F +	
0-3381	Charles E. Rankin, Flemingsburg	The C. S. Brent Seed Co., Lexington, Ky.	L 82.93 F —	L 85 F +	
0-3384	9700 J. T. Lawson Hdw. Co., Greenup	The J. Chas. McCullough Seed Co., Cincinnati, O.	L 80.53 F —	L 83 F +	
0-3392	447 J. T. Bertram & Son, Vanceburg	The Market Gardeners' Seed Co., Cincinnati, O.	L 84.50 F +	L 80 F +	
0-3393	9807 Staggs Bros., Vanceburg	The J. Chas. McCullough Seed Co., Cincinnati, O.	L 80.51 F —	L 83 F +	
0-3401	Farmers Supply Store, Irvine	The C. S. Brent Seed Co., Lexington, Ky.	L 80 F 73.96	L 85 F +	
0-3405	710 Williams Groc. Co., Paintsville	The Mahan Co., Winchester, Ky.	L 85 F —	L 85 F —	
0-3410	710 John Scott, Pikeville	The Mahan Co., Winchester, Ky.	L 85 F 80.27	L 85 F +	
0-3416	710 Blair Whlse. Groc., West Liberty	The Mahan Co., Winchester, Ky.	L 85 F —	L 85 F —	
0-3448	A. B. Waggoner, Burkesville	Ross Seed Co., Louisville, Ky.	L 80 F —	L 85 F +	
0-3457	199 Henry Durham, Greensburg	National Seed Co., Louisville, Ky.	L 73.89 F +	L 90 F +	

TABLE 1.—ANALYSES OF SEEDS—Continued

Lab. No.	Kind of seed and name and address of dealer	Purchased from	Purity	Germination	Noxious weed seed
0-3459	719CSC Woodson Lewis, Greensburg	Chambers Seed Co., Louisville, Ky.	Percent L 85.73 F —	Percent L 97 F —	
0-3470	2729 Miller Hdw., Jamestown	Scott Seed Co., New Albany, Ind.	L 60 F —	F 80 F +	
0-3476	204 J. C. Cook, Tompkinsville	National Seed Co., Louisville, Ky.	L 65.27 F +	L 90 F +	
0-3493	Lot V C. W. White, Richmond	The C. S. Brent Seed Co., Lexington, Ky.	L 43.74 F —	L 84 F —	
0-3497	Lot 781 Feeder's Supply Co., Louisville	Chambers Seed Co., Louisville, Ky.	L 85 F 79.49	L 85 F +	Not listed
0-3520	Lot 710 Tom Craft, East Bernstadt	The Mahan Co., Winchester, Ky.	L 85 F —	L 85 F +	Excessive
0-3594	9700 Farmers Supply & Hatchery, Ashland	The J. Chas. McCullough Seed Co., Cincinnati, O.	L 80.58 F —	L 85 F —	
Redtop					
0-3138	Lot RF Robinson & Turley, Richmond	Wyatt Seed Co., Petersburg, Ind.	L 92 F —	L 90 F +	
0-3149	Barger Bros., Columbia	Ress Seed Co., Louisville, Ky.	L 92 F 84.02	L 90 F +	
0-3165	Lot 124 Raymer's Feed Barn, Bowling Green	C. B. Ragland Co., Nashville, Tenn.	L 85 F +	L 85 F +	
0-3168	F-1274 Gresham Bros., Eddyville	Purcell Seed Co., Evansville, Ind.	L 92.90 F +	L 90 F —	
0-3170	T. H. O'Bryan, Dawson Springs	Lambert-Grisham Hdw. Co., Henderson, Ky.	L 92 F +	L 90 F —	
0-3173	Dairyman's Feed & Supply Co., Mayfield	August Brachett & Co., St. Peter, Ill.	L 94 F +	L 90 F +	
0-3179	C-72 A Ross Feed Co., Murray	J. M. Schultz Seed Co., Dieterich, Ill.	L 92 F —	L 90 F +	
0-3180	Lot U. S. A. McLean Cty. Hdw. Co., Calhoun	J. B. Lucas, Franklin, Ky.	L 94.23 F +	L 95 F —	
0-3184	Lot U 5 O'Nan Hdw. Co., Morganfield	Young & Conway, Morganfield, Ky.	L 92 F +	L 92 F —	
0-3235	Lot 842 Woodson Lewis, Greensburg	National Seed Co., Louisville, Ky.	L 96 F +	L 90 F +	

TABLE 1.—ANALYSES OF SEEDS—Continued

Lab. No.	Kind of seed and name and address of dealer	Purchased from	Purity	Germination	Noxious weed seed
0-3246	Lot 846 Skidmore Hdw. Co. Elizabethtown	Chambers Seed Co., Louisville, Ky.	Percent L 92 F +	Percent L 90 F +	
0-3259	Lot 2435 Ramsey Supply Co., Somerset	Scott Seed Co., New Albany, Ind.	L 92 F +	L 90 F +	
0-3265	R-1361 Aaron L. Moore & Sons, Leitchfield	Purcell Seed Co., Evansville, Ind.	L 90.44 F +	L 90 F +	
0-3266	Lot 2299 Aaron L. Moore & Sons, Leitchfield	Purcell Seed Co., Evansville, Ind.	L 92.60 F +	L 90 F +	
0-3267	K 6400 Harris & Crowdus, Franklin	Farmers Elevator Co., Franklin, Ky.	L 92.07 F +	L 90 F +	
0-3269	F-1273 Grayson Cty. Supply Co., Leitchfield	Purcell Seed Co., Evansville, Ind.	L 92.90 F +	L 90 F +	
0-3272	Lot 469 Scottsville Feed Co., Scottsville	Dobson-Hicks Co., Nashville, Tenn.	L 92.35 F +	L 94 F +	
0-3274	842 Scottsville Feed Co., Scottsville	National Seed Co., Louisville, Ky.	L 96 F —	L 90 F +	
0-3290	Womack Bros., Greenup	The J. Chas. McCullough Seed Co., Cincinnati, O.	L 92.35 F +	L 92 F —	
0-3297	Estill Pardue, Brownsville	Joe Moody, Brownsville, Ky.	L No tag F 90.56	L No tag F 93	
0-3318	Red Bird Lancaster Milling Co., Lancaster	Lewis Seed Co., Louisville, Ky.	L 92 F —	L 90 F +	Excessive
0-3321	C 1325 A. T. Sanders, Lancaster	The Livingston Seed Co., Cincinnati, O.	L 92.32 F +	L 92 F +	
0-3327	Lot 860 O. F. Shearer, Monticello	National Seed Co., Louisville, Ky.	L 92 F —	L 90 F +	
0-3343	Lot RF Robinson and Turley, Richmond	Wyatt Seed Co., Petersburg, Ind.	L 92 F —	L 90 F +	
0-3394	9490 L. V. Sullivan & Co., Vanceburg	The J. Chas. McCullough Seed Co., Cincinnati, O.	L 92.49 F +	L 92 F +	
0-3399	Booneville Whlse. Hdw. Co., Booneville	Louisville Seed Co., Louisville, Ky.	L 85 F +	L 85 F +	
0-3417	621 Blair Whlse. Groc., West Liberty	The Mahan Co., Winchester, Ky.	L 90 F +	L 90 F +	
0-3453	Lot C Harris & Crowdus, Franklin	Farmers Elevator Co., Franklin, Ky.	L 93.48 F —	L 90 F +	

TABLE 1.—ANALYSES OF SEEDS—Continued

Lab. No.	Kind of seed and name and address of dealer	Purchased from	Purity	Germination	Noxious weed seed
0-3455...832	Hughes Hdw. Co., Franklin	Farmers Elevator Co., Franklin, Ky.	Percent L 93.48 F —	Percent L 90 F +	
0-3519...620	Tom Craft, East Bernstadt	The Mahan Co., Winchester, Ky.	L 92 F +	L 90 F 78	
Ryegrass					
0-3142...Connor-Haydon & Co., Bardstown	Ross Seed Co., Louisville, Ky.	L 99 F +	L 90 F +		
0-3288...2086	Renfro Supply Co., Williamsburg	Chambers Seed Co., Louisville, Ky.	L 98 F +	L 97 F +	
0-3289...Renfro Supply Co., Williamsburg	National Seed Co., Louisville, Ky.	L 98.50 F +	L 90 F +		
0-3406...820	Williams Groc. Co., Williamsburg	The Mahan Co., Winchester, Ky.	L 99 F +	L 90 F +	
0-3525...City Market, Berea	The C. S. Brent Seed Co., Lexington, Ky.	L 99 F +	L 90 F +		
Timothy					
0-3122...1014	Walter Corbin, Owingsville	The Market Gardeners' Seed Co., Cincinnati, O.	L 81 F +	L Blank F 72	Not listed
0-3143...573	Henry Durham, Greensburg	National Seed Co., Louisville, Ky.	L 99.55 F +	L 90 F +	
0-3175...T-202	Hickman Hdw. Co., Hickman	Corneli Seed Co., St. Louis; Missouri	L 99.52 F +	L 90 F +	
0-3176...2167	A. B. Beale & Son, Murray	Purcell Seed Co., New Albany, Ind.	L 99.55 F +	L 90 F +	
0-3185...562/549	Carroll Cty. Farm Bureau, Carrollton	National Seed Co., Louisville, Ky.	L 95 F +	L 85 F +	Excessive
0-3194...Farmers Union Supply Co., Versailles	Ross Seed Co., Louisville, Ky.	L 99.50 F +	L 90 F +		
0-3197...Dodd's Corner, Nicholasville	Ross Seed Co., Louisville, Ky.	L 98 F +	L 90 F 77		
0-3203...Ratliff Bros. Co., Carlisle	The Livingston Seed Co., Cincinnati, Ohio	L 99.6 F +	L 90 F —		
0-3204...650	Farmers & Merchants Mill. Co., Brooksville	The Market Gardeners' Seed Co., Cincinnati, O.	L 99.50 F +	L 90 F +	
0-3208...C 715	J. C. Everett Co., Maysville	The Livingston Seed Co., Cincinnati, Ohio	L 99.60 F +	L 90 F —	Not listed
0-3211...650	T. T. Hill & Son, Germantown	The Market Gardeners' Seed Co., Cincinnati, O.	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		Germination	Noxious weed seed
			Percent	Percent		
0-3215	C 713 Thomas Hdw. Co., Owenton	The Livingston Seed Co., Cincinnati, Ohio	L 99.60 F +	L 90 F 74		Not listed
0-3218	562 Farm Bureau Store, Carrollton	National Seed Co., Louisville, Ky.	L 95 F —	L 85 F +		Excessive
0-3224	Garrard Mills, Lancaster	Ross Seed Co., Louisville, Ky.	L 99.50 F —	L 90 F +		
0-3225	Garrard Mills, Lancaster	Louisville Seed Co., Louisville, Ky.	L 99.50 F —	L 90 F +		
0-3227	Farmers Supply Co., Danville	Ross Seed Co., Louisville, Ky.	L 99.50 F —	L 90 F +		
0-3232	1225 J. H. McClure & Son, Springfield	Chambers Seed Co., Louisville, Ky.	L 99.50 F +	L 90 F +		
0-3236	573 Woodson Lewis, Greensburg	National Seed Co., Louisville, Ky.	L 99.50 F —	L 90 F +		
0-3240	J. E. M. Milling Co., Frankfort	Louisville Seed Co., Louisville, Ky.	L 99 F +	L 90 F +		
0-3244	Corbett Hdw. Co., Elizabethtown	Lewis Seed Co., Louisville, Ky.	L 99.50 F —	L 90 F +		
0-3247	Bell John H. Burba, Hodgenville	Chambers Seed Co., Louisville, Ky.	L 97 F +	L 80 F 66		Not listed
0-3254	80845 Ross, Hollingsworth Co., Tompkinsville	C. B. Hagland Co., Nashville, Tenn.	L 98.10 F +	L 85 F —		Not listed
0-3261	212 Ramsey Supply Co., Somerset	M. E. Compton, Somerset, Ky.	L 99.62 F —	L 90 F —		
0-3270	654 Wilson-Miles & Co., Russellville	Dobson-Hicks Co., Nashville, Tenn.	L 99.56 F —	L 91 F +		
0-3271	1401 Wilson-Miles & Co., Russellville	Green Bros., Nashville, Tenn.	L 99.50 F —	L 90 F +		
0-3278	618 Farmers & Merchants Mill. Co., Brooksville	The Market Gardeners' Seed Co., Cincinnati, O.	L 99.60 F —	L 90 F +		
0-3279	574 Farmers & Merchants Mill. Co., Brooksville	The Market Gardeners' Seed Co., Cincinnati, O.	L 99.50 F +	L 90 F +		
0-3230	7450 O. E. Donovan, Brooksville	The J. Chas. McCullough Seed Co., Cincinnati, O.	L 99.25 F —	L 88 F —		
0-3231	8302 O. E. Donovan, Brooksville	The J. Chas. McCullough Seed Co., Cincinnati, O.	L 99.60 F +	L 90 F —		

TABLE 1.—ANALYSES OF SEEDS—Continued

Lab. No.	Kind of seed and name and address of dealer	Purchased from	Purity	Germination	Noxious weed seed
0-3283	Mrs. Iva F. Blackburn, Dry Ridge	Williamstown Roller Mills, Williamstown, Ky.	Percent L 99.50 F +	Percent L Blank F 91	
0-3292	8892 Womack Bros., Greenup	The J. Chas. McCullough Seed Co., Cincinnati, O.	L 99.60 F +	L 91 F —	
0-3293	9 Staggs Bros., Vanceburg	The J. Chas. McCullough Seed Co., Cincinnati, O.	L 98.64 F —	L 87 F —	
0-3294	9658 Staggs Bros., Vanceburg	The J. Chas. McCullough Seed Co., Cincinnati, O.	L 99.60 F —	L 91 F +	
0-3298	A E. S. Ferrill & Sons, Buffalo	National Seed Co., Louisville, Ky.	L 97.90 F +	L 85 F +	
0-3300	301 VanHook Hdw. Co., Cynthiana	U. J. Cover Seed Co., Mt. Gilead, Ohio	L 99.60 F —	L 90 F 47	
0-3304	Monarch Milling Co., Mt. Sterling	Louisville Seed Co., Louisville, Ky.	L 98 F +	L 90 F +	
0-3319	Lancaster Milling Co., Lancaster	Ross Seed Co., Louisville, Ky.	L 98 F —	L 87 F —	
0-3322	A. T. Sanders, Lancaster	Lewis Seed Co., Louisville, Ky.	L 99.50 F +	L 90 F +	Excessive
0-3334	9571 The C. T. Ashley Co., Nicholasville	The J. Chas. McCullough Seed Co., Cincinnati, O.	L 99.75 F +	L 90 F +	
0-3340	Dodd's Corner, Nicholasville	Ross Seed Co., Louisville, Ky.	L 98 F +	L 90 F +	
0-3348	No. 1232 Morris Bros., Somerset	Chambers Seed Co., Louisville, Ky.	L 99.50 F +	L 90 F —	
0-3349	No. 9668 Ramsey Supply Store, Somerset	The J. Chas. McCullough Seed Co., Cincinnati, O.	L 98.38 F +	L 88 F +	
0-3352	Baughman Milling Co., Stanford	Lewis Seed Co., Louisville, Ky.	L 99.50 F +	L 90 F +	
0-3353	1231 Durham Impl. Co., Stanford	Chambers Seed Co., Louisville, Ky.	L 99.65 F +	L 87 F —	
0-3367	C 737 Ratliff Bros., Carlisle	The Livingston Seed Co., Cincinnati, Ohio	L 99.60 F —	L 90 F +	
0-3379	9571 N. S. Dudley & Son, Flemingsburg	The J. Chas. McCullough Seed Co., Cincinnati, O.	L 99.75 F —	L 90 F +	
0-3385	C 738 W. H. Brock & Co., Maysville	The Livingston Seed Co., Cincinnati, Ohio	L 99.60 F —	L 75 F 61	Excessive
0-3435	C-704 John A. Sheehan, Falmouth	The Livingston Seed Co., Cincinnati, Ohio	L 98.40 F +	L 80 F —	

TABLE 1.—ANALYSES OF SEEDS—Continued

Lab. No.	Kind of seed and name and address of dealer	Purchased from	Purity	Germination	Noxious weed seed
			Percent	Percent	
0-3436....C 735	John A. Sheehan, Falmouth	The Livingston Seed Co., Cincinnati, Ohio	L 99.60 F +	L 90 F +	
0-3445....Garrard Mills, Lancaster		Ross Seed Co., Louisville, Ky.	L 99.50 F +	L 90 F +	
0-3487....1236	J. M. McClure & Sons, Springfield	Chambers Seed Co., Louisville, Ky.	L 99.82 F —	L 92 F 53	
0-3494....2186	C. W. White, Richmond	Scott Seed Co., New Albany, Ind.	L 97.50 F +	L 85 F +	
0-3517....572	Watkins Whlse. Groc. Co., East Bernstadt	National Seed Co., Louisville, Ky.	L 95.72 F 92.96	L 80 F 66	
0-3605....1020	Walton Feed Mill, Walton	The Market Gardeners' Seed Co., Cincinnati, O.	L 99.50 F +	L 90 F +	
0-3606....Walton & Rednour, Walton		The Livingston Seed Co., Cincinnati, Ohio	L 99.60 F —	L 90 F +	Not listed
0-3628....Farmers Union Supply Co., Versailles		Ross Seed Co., Louisville, Ky.	L 99.50 F +	L 90 F +	
0-3667....114	Thomas Hdw. Co., Owenton	Scott Seed Co., New Albany, Ind.	L 98.75 F +	L 90 F +	Excessive
Alfalfa					
0-3151....C. R. Hutchison & Son, Columbia		Ross Seed Co., Louisville, Ky.	L 99.50 F —	L 75+15 F +	
0-3157....McFarland Impl. & Seed Co., Bowling Green		Louisville Seed Co., Louisville, Ky.	L 99.50 F —	L 80+10 F —	
0-3159....633	Farmers Supply Co., Bowling Green	Green Bros., Nashville, Tenn.	L 99.60 F +	L 80+10 F —	
0-3174....L-3144	Hickman Hdw. Co., Hickman	Ed. F. Mangelsdorf & Bro., St. Louis, Missouri	L 99.57 F +	L 72+18 F +	
0-3268....673	Hatter Hdw. Co., Franklin	Dobson-Hicks Co., Nashville, Tenn.	L 99.26 F —	L 74+25 F —	
0-3330....Neb. Com. The C. T. Ashley Co., Nicholasville		The J. Chas. McCullough Seed Co., Cincinnati, O.	L 99.07 F +	L 78+12 F —	
0-3364....1017	Dorsey Bros. & Fisher, Carlisle	The J. Chas. McCullough Seed Co., Cincinnati, O.	L 97.73 F —	L 75+16 F +	
0-3366....C 503 A Ratliff Bros., Carlisle		The Livingston Seed Co., Cincinnati, Ohio	L 99.25 F —	L 80+12 F +	
0-3388....A-223	Spears-Kiser Co., Paris	T. G. Kelly, Salina, Kansas	L 99.25 F —	L 68+23 F —	

TABLE 1.—ANALYSES OF SEEDS—Continued

Lab. No.	Kind of seed and name and address of dealer	Purchased from	Purity	Germination	Noxious weed seed
0-3390.....9837	J. F. Bertram & Son, Vanceburg	The J. Chas. McCullough Seed Co., Cincinnati, O.	Percent L 99.51 F +	Percent L 72+20 F +	
0-3426.....	John A. Sheehan, Falmouth	The Livingston Seed Co., Cincinnati, Ohio	L 99.52 F —	L 75 F —	
0-3427.....C-511-A	John A. Sheehan, Falmouth	The Livingston Seed Co., Cincinnati, Ohio	L 99.50 F +	L 74+16 F +	
0-3460.....	Barnett-Sullivan & Co., Harrodsburg	Ross Seed Co., Louisville, Ky.	L 99.50 F +	L 80+10 F —	
0-3463.....G-20	Farmers Supply Co., Harrodsburg	Green Bros., Nashville, Tenn.	L 99.50 F +	L 80+10 F —	
0-3466.....C-509-A	Lawson & Shewmaker, Harrodsburg	The Livingston Seed Co., Cincinnati, Ohio	L 99.25 F —	L 80+12 F +	
0-3485.....J. M. McClure & Son,	Springfield	Ross Seed Co., Louisville, Ky.	L 99.50 F —	L 65+25 F +	
0-3489.....2023	Robinson & Turley, Richmond	The J. Chas. McCullough Seed Co., Cincinnati, O.	L 99.35 F +	L 82+11 F +	
0-3498.....53	Henderson & Hardy, Shepherdsville	Chambers Seed Co., Louisville, Ky.	L 99.14 F —	L 73+23 F —	
0-3534.....A-1004	M. C. Rayner, Bowling Green	C. B. Ragland Co., Nashville, Tenn.	L 99.04 F —	L 78+15 F —	
0-3535.....2200	Farmers Supply Co., Bowling Green	Purcell Seed Co., Evansville, Ind.	L 99.66 F +	L 65+25 F +	
0-3537.....60	Vick Smith, Bowling Green	Chambers Seed Co., Louisville, Ky.	L 99.50 F +	L 56+38 F +	
0-3566.....243	Bardwell Hdw. Co., Bardwell	Yopp Seed Co., Paducah, Ky.	L 99.55 F +	L 71+20 F +	
0-3574.....4642	Norris Hdw. & Seed Co., Henderson	The Heldt-Monroe Co., Evansville, Ind.	L 99.60 F —	L 83+7 F —	
0-3579.....Corbett Hdw. Co.,	Elizabethtown	Louisville Seed Co., Louisville, Ky.	L 98.50 F +	L 80+10 F —	
0-3583.....62	Skidmore Hdw. Co., Elizabethtown	Chambers Seed Co., Louisville, Ky.	L 99.56 F +	L 72+22 F —	
0-3585.....486	N. S. Dudley & Son, Flemingsburg	National Seed Co., Louisville, Ky.	L 99.50 F +	L 70+20 F +	
0-3604.....871	Walton Feed Mill, Walton	The Market Gardeners' Seed Co., Cincinnati, O.	L 99 F +	L 68+26 F +	

TABLE 1.—ANALYSES OF SEEDS—Continued

Lab. No.	Kind of seed and name and address of dealer	Purchased from	Purity	Germination	Noxious weed seed
			Percent	Percent	
0-3608....	Walton & Rednour, Walton	The Livingston Seed Co., Cincinnati, Ohio	L 99.60 F +	L 80+12 F —	
0-3664....	1518 Thomas Hdw. Co., Owenton	Scott Seed Co., New Albany, Ind.	L 99.50 F +	L 70+20 F —	
0-3665....	1519 Thomas Hdw. Co., Owenton	Scott Seed Co., New Albany, Ind.	L 99.50 F +	L 70+20 F +	
	Alsike Clover				
0-3320....	1745 A. T. Sanders, Lancaster	National Seed Co., Louisville, Ky.	L 93.87 F +	L 77+17 F —	
0-3428....	C-1101 John A. Sheehan, Falmouth	The Livingston Seed Co., Cincinnati, Ohio	L 84-10 F 80.87	L 75+12 F 61	
0-3482....	17 Barbour Hdw. Co. Springfield	U. J. Cover Seed Co., Mt. Gilead, Ohio	L 98 F +	L 88+2 F —	Not listed
0-3590....	2167 J. C. Everett Co., Maysville	Foster-Kendall Co., Carmel, Ind.	L 99.06 F —	L 85+5 F +	Not listed
	Crimson Clover				
0-3133....	Harlan Fruit Co., Harlan	Louisville Seed Co., Louisville, Ky.	L 99.50 F +	L 85+5 F +	
0-3147....	1919A Woodson Lewis, Greensburg	Chambers Seed Co., Louisville, Ky.	L 99.90 F +	L 91+3 F +	
0-3153—	Overstreet & Rice, Columbia	J. B. Lucas, Franklin, Ky.	L 99.64 F +	L 70+25 F +	
0-3154....	Pulliam Feed Store, Edmonton	Ragland, Potter & Co., Glasgow, Ky.	L 98.42 F +	L 90+2 F —	
0-3160....	Farmers Supply Co., Bowling Green	E. K. Hardison Seed Co., Nashville, Tenn.	L 99.11 F +	L 80+5 F +	
0-3172....	U-Tote-Em Groc. Co., Murray	Unknown	L 98 F +	L 97+10 F —	
0-3195....	Farmers Union Supply Co., Versailles	Ross Seed Co., Louisville, Ky.	L 99.50 F +	L 80+10 F +	
0-3196....	Dodd's Corner, Nicholasville	Ross Seed Co., Louisville, Ky.	L 99.50 F +	L 80+10 F —	
0-3220....	Bastin Lumber Co., Lancaster	Ross Seed Co., Louisville, Ky.	L 99.50 F +	L 80 F +	
0-3226....	1919 A Farmers Supply Co., Danville	Chambers Seed Co., Louisville, Ky.	L 99.90 F —	L 91+3 F —	
0-3253....	Taylor Curtis & McComas, Burkesville	J. B. Lucas, Franklin, Ky.	L 99.66 F +	L 70+25 F +	
0-3257....	208 Miller Hdw. Co., Jamestown	E. S. Ferrill & Son, Buffalo, Ky.	L 99.50 F +	L 85+5 F —	

TABLE 1.—ANALYSES OF SEEDS—Continued

Lab. No.	Kind of seed and name and address of dealer	Purchased from	Purity	Germination	Noxious weed seed
0-3260	Geo. P. Taylor Co., Eubank	Green Bros., Nashville, Tenn.	L 98 F —	L 81+9 F 56+2	
0-3264	Red Bird Baughman Milling Co., Stanford	Lewis Seed Co., Louisville, Ky.	L 99 F +	L 84 F +	
0-3286	Noble's Store, Jackson	The C. S. Brent Seed Co. Lexington, Ky.	L 99.20 F +	L 87+5 F —	
Mammoth Clover					
0-3419	Bush TG Homer Elam, West Liberty	U. J. Cover Seed Co., Mt. Gilead, Ohio	L 99 F +	L 90 F —	
0-3440	X 2685 E. A. Cohen, Greenville	The Heldt-Monroe Co., Evansville, Ind.	L 99.75 F +	L 86+7 F +	
0-3481	195 Barber Hdw. Co., Springfield	U. J. Cover Seed Co., Mt. Gilead, Ohio	L 99 F 97.75	L 87+4 F +	Not listed
0-3486	304 J. M. McClure & Son, Springfield	Chambers Seed Co., Louisville, Ky.	L 99.55 F +	L 91+3 F +	
Red Clover					
0-3130	Lester L. Lynd, Ashland	Unknown	L 99.50 F +	L 90+5 F —	
0-3198	Dodd's Corner, Nicholasville	Unknown	L 99.50 F 94.82	L 90 F +	Excessive
0-3228	Farmers Supply Co., Danville	Chambers Seed Co., Louisville, Ky.	L 98.50 F +	L 90 F —	
0-3234	Dodd's Corner, Nicholasville	Ross Seed Co., Louisville, Ky.	L 99.50 F —	L 90 F —	
0-3245	Skidmore Hdw. Co., Elizabethtown	National Seed Co., Louisville, Ky.	L 98.72 F —	L 88+2 F 59+5	
0-3250	266 Anderson & Spilman, Danville	Scott Seed Co., New Albany, Ind.	L 98 F +	L 80+10 F —	
0-3256	T. T. Coe, Jamestown	Ross Seed Co., Louisville, Ky.	L 99 F +	L 85+5 F +	
0-3275	613 Graves Hdw. Co., Scottsville	C. B. Ragland & Co., Nashville, Tenn.	L 99.41 F +	L 86+5 F —	
0-3306	1171 McWhorter & Thresher, Albany	National Seed Co., Louisville, Ky.	L 95.27 F +	L 73+7 F —	
0-3307	Knox Cty. Supply Co., Barbourville	Louisville Seed Co., Louisville, Ky.	L 98.40 F —	L 80+10 F +	
0-3331	9799 The C. T. Ashley Co., Nicholasville	The J. Chas. McCullough Seed Co., Cincinnati, O.	L 97 F +	L 82+11 F +	
0-3332	9380 The C. T. Ashley Co., Nicholasville	The J. Chas. McCullough Seed Co., Cincinnati, O.	L 88.24 F +	L 80+7 F —	

TABLE 1.—ANALYSES OF SEEDS—Continued

Lab. No.	Kind of seed and name and address of dealer	Purchased from	Purity	Germination	Noxious weed seed
			Percent	Percent	
0-3338	Dodd's Corner, Nicholasville	Ross Seed Co., Louisville, Ky.	L 99.25 F +	L 90 F —	
0-3339	283 Dodd's Corner, Nicholasville	Ross Seed Co., Louisville, Ky.	L 98.80 F +	L 80+5 F +	
0-3346	M. E. Compton, Somerset	Louisville Seed Co., Louisville, Ky.	L 99.50 F +	L 80 F +	
0-3354	Stanford Hdw. Co., Stanford	Louisville Seed Co., Louisville, Ky.	L 99.50 F +	L 80+10 F +	
0-3359	R-150 Sandy Valley Groc. Co., Ashland	Louisville Seed Co., Louisville, Ky.	L 99.50 F +	L 80 F +	
0-3368	310 Feeders Supply Co., Catlettsburg	The Mahan Co., Winchester, Ky.	L 99.50 F +	L 90 F +	
0-3389	191 Spears-Kiser Co., Paris	Rudy-Patrick Seed Co., Kansas City, Missouri	L 99.50 F +	L 90+2 F +	
0-3398	312 Peck's Farmers Supply Co., Sharpsburg	The Mahan Co., Winchester, Ky.	L 98.78 F —	L 82+13 F +	
0-3408	314 Kentucky Whlse. Co., Pikeville	The Mahan Co., Winchester, Ky.	L 98 F 96.63	L 90 F —	
0-3432	379-D John A. Sheehan, Falmouth	The Livingston Seed Co., Cincinnati, Ohio	L 99.04 F 97.98	L 85+4 F +	
0-3341	44 E. A. Cohen, Greenville	Harralson's Feed & Seed Store, Owensboro, Ky.	L 98 F —	L 90 F +	
0-3446	"Echo" 2665 Watson Coal & Feed Co., Princeton	Purcell Seed Co., Evansville, Ind.	L 99 F —	L 83+5 F +	
0-3451	1197 Overstreet & Rice, Columbia	National Seed Co., Louisville, Ky.	L 97.70 F +	L 70+13 F +	
0-3454	Hughes Hdw. Co., Franklin	Farmers Elevator Co., Franklin, Ky.	L 99.60 F +	L 80+10 F +	
0-3495	175 C. W. White, Richmond	Scott Seed Co., New Albany, Ind.	L 80 F —	L 50+5 F +	Excessive
0-3496	237 C. W. White, Richmond	Unknown	L 88.60 F 75.52	L 65+5 F +	Excessive
0-3500	246 Henderson & Hardy, Shepherdsville	Chambers Seed Co., Louisville, Ky.	L 98 F 95.18	L 90 F +	Not listed
0-3521	310 Tom Craft, East Bernstadt	The Mahan Co., Winchester, 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	Germination	Noxious weed seed
0-3528.....237	C. W. White, Richmond	Scott Seed Co., New Albany, Ind.	Percent L 88.60 F +	Percent L 65+5 F +	
0-3530.....	H. D. Jones, Glasgow	Lewis Seed Co., Louisville, Ky.	L 99.50 F +	L 85+5 F +	
0-3547.....3055	Young Hdw. Co., Hopkinsville	Purcell Seed Co., Evansville, Ind.	L 99.22 F +	L 83+5 F +	
0-3548.....128	T. W. Hall, Elkton	C. B. Ragland & Co., Nashville, Tenn.	L 99.18 F —	L 82+12 F +	Not listed
0-3569.....132	Ratliff Hdw. Co., Princeton	J. M. Schultz Seed Co., Dieterich, Ill.	L 92.27 F +	L 74+7 F —	
0-3572.....90551	Fox Hdw. Co., Madisonville	Harper Gatton, Madisonville, Ky.	L 99.27 F —	L 92+2 F +	Excessive
0-3581.....	T. J. Turley Co., Owensboro	Louisville Seed Co., Louisville, Ky.	L 99.50 F —	L 80+10 F +	Not listed
0-3586.....	Dorsey Bros. & Fisher, Carlisle	Ross Seed Co., Louisville, Ky.	L 99.50 F +	L 90 F —	
0-3589.....110	J. C. Everett Co., Maysville	Foster-Kendall Co., Carmel, Ind.	L 99.36 F —	L 87+8 F —	Not listed
0-3596.....	W. H. Brock & Co., Maysville	Louisville Seed Co., Louisville, Ky.	L 98.46 F —	L 85+5 F —	
0-3603.....715	Walton Feed Mill, Walton	The Market Gardeners' Seed Co., Cincinnati, O.	L 98 F +	L 84+8 F +	
Sapling Clover					
0-3145.....	Woodson Lewis, Greensburg	Lewis Seed Co., Louisville, Ky.	L 99.5 F +	L 85+5 F +	
0-3526.....	City Market Berea	The C. S. Brent Seed Co., Lexington, Ky.	L 97.15 F —	L 85+7 F +	Excessive
Sweet Clover					
0-3316.....1150	Garrard Mills, Lancaster	Chambers Seed Co., Louisville, Ky.	L 95 F —	L 60+24 F +	
0-3335.....9115	The C. T. Ashley Co., Nicholasville	The J. Chas. McCullough Seed Co., Cincinnati, O.	L 96.79 F —	L 76+2 F —	
0-3371.....	Adams & Moore, Cynthiana	The Livingston Seed Co., Cincinnati, Ohio	L 99.60 F —	L 80+12 F 61+5	
0-3433.....	C-1709-W John A. Sheehan, Falmouth	The Livingston Seed Co., Cincinnati, Ohio	L 99.50 F —	L 80+12 F +	
0-3434.....	Cy 1704 John A. Sheehan, Falmouth	The Livingston Seed Co., Cincinnati, Ohio	L 99.53 F —	L 80+12 F —	
0-3444.....1150	Garrard Mills, Lancaster	Chambers Seed Co., Louisville, Ky.	L 95 F +	L 60+24 F —	

TABLE 1.—ANALYSES OF SEEDS—Continued

Lab. No.	Kind of seed and name and address of dealer	Purchased from	Purity	Germination	Noxious weed seed
0-3609	Y 1721 Walton & Rednour, Walton	The Livingston Seed Co., Cincinnati, Ohio	Percent L 94.23 F 91.06	Percent L 70+10 F 56+4	
0-3620	1710 W Morris Bros., Somerset	The Livingston Seed Co., Cincinnati, Ohio	L 99.50 F —	L 80+10 F 61+8	
Korean Lespedeza					
0-3301	412 L. N. Kratzer, Mt. Sterling	National Seed Co., Louisville, Ky.	L 95.50 F +	L 70 F —	
0-3302	340 L. N. Kratzer, Mt. Sterling	The Mahan Co., Winchester, Ky.	L 99 F +	L 90 F +	
0-3303	2934 Monarch Milling Co., Mt. Sterling	Scott Seed Co., New Albany, Ind.	L 95 F +	L 65+10 F +	
0-3310	341 Wilder Hdw. Co., Corbin	The Mahan Co., Winchester, Ky.	L 99 F +	L 90 F +	
0-3311	Laurel Groc. Co., East Bernstadt	Ross Seed Co., Louisville, Ky.	L 98.50 F +	L 70+20 F +	
0-3314	Lot 42 Garrard Mills, Lancaster	National Seed Co., Louisville, Ky.	L 99 F 93.87	L 60+30 F +	
0-3326	Dixie Feed Store, Middlesboro	Louisville Seed Co., Louisville, Ky.	L 98.50 F +	L 80+10 F —	
0-3342	Lot 2887 A Richmond Hatchery, Richmond	Scott Seed Co., New Albany, Ind.	L 98 F +	L 75+15 F +	
0-3350	Sanford's, Somerset	Louisville Seed Co., Louisville, Ky.	L 98 F +	L 80+10 F +	
0-3351	Lot 2895 Tartar Produce Co., Somerset	Scott Seed Co., New Albany, Ind.	L 85 F 80.46	L 40+15 F +	Excessive
0-3356	Lot 88975 Joe Early Hdw. Co., Williamsburg	H. B. Cravens, Utica, Ky.	L 99.50 F —	L 87+11 F +	
0-3357	Lot 1494 CSC Renfro Supply Co., Williamsburg	Chambers Seed Co., Louisville, Ky.	L 98 F +	L 80+10 F +	
0-3360	Lot 362 Sandy Valley Groc. Co., Ashland	Garth and Orr, Trenton, Ky.	L 99 F +	L 83+12 F +	
0-3369	Lot 341 Feeders Supply Co., Catlettsburg	The Mahan Co., Winchester, Ky.	L 99 F +	L 90 F +	
0-3372	Lot No. 592 L. C. McLoney & Sons, Cynthiana	National Seed Co., Louisville, Ky.	L 96 F —	L 70+20 F —	
0-3374	V. C. Redd, Cynthiana	Ross Seed Co., Louisville, Ky.	L 98.50 F +	L 50+35 F +	

TABLE 1.—ANALYSES OF SEEDS—Continued

Lab. No.	Kind of seed and name and address of dealer	Purchased from	Purity	Germination	Noxious weed seed
0-3377	No. 2008 Cut-rate Groc., Flemingsburg	The Market Gardeners' Seed Co., Cincinnati, O.	Percent L 99 F +	Percent L 75+15 F —	
0-3378	Lot 14 N. S. Dudley & Son, Flemingsburg	National Seed Co., Louisville, Ky.	L 99 F —	L 70+20 F +	
0-3382	Grayson Milling Co., Grayson	Ross Seed Co., Louisville, Ky.	L 98.50 F +	L 60+30 F +	
0-3383	Lot 1000 J. T. Lawson Hdw. Co., Greenup	The J. Chas. McCullough Seed Co., Cincinnati, O.	L 99.14 F +	L 73+18 F +	
0-3386	Roy H. Vice, Owingsville	The Livingston Seed Co., Cincinnati, Ohio	L 99.10 F —	L 80+12 F +	
0-3391	J. F. Bertram & Son, Vanceburg	Ross Seed Co., Louisville, Ky.	L 98.50 F +	L 50 F +	
0-3396	Peck's Farmers Supply, Sharpsburg	Ross Seed Co., Louisville, Ky.	L 97 F +	L 57+30 F +	
0-3397	Peck's Farmers Supply, Sharpsburg	Ross Seed Co., Louisville, Ky.	L 98.50 F +	L 61+32 F +	
0-3403	No. 340 Williams Groc. Co., Paintsville	The Mahan Co., Winchester, Ky.	L 99 F +	L 90 F +	
0-3407	Lot 340 Kentucky Whlse. Co., Pikeville	The Mahan Co., Winchester, Ky.	L 99 F +	L 90 F +	
0-3412	C 203 Albert Carpenter, Salersville	The Livingston Seed Co., Cincinnati, Ohio	L 99.10 F —	L 80+12 F —	
0-3414	Lot 354 Blair Whlse. Groc., West Liberty	The Mahan Co., Winchester, Ky.	L 96 F +	L 85 F —	
0-3420	May Groc. Co., West Liberty	Louisville Seed Co., Louisville, Ky.	L 98 F +	L 80+10 F —	
0-3422	Lot 712 Ross, Hollingsworth & Co., Tompkinsville	National Seed Co., Louisville, Ky.	L No Tag F 67.73	L No Tag F 64+25	Not listed
0-3423	Lot W James M. Wright, Franklin	Unknown	L 90 F +	L 80 F +	
0-3424	Taylor Cty. Supply Co., Campbellsville	Allison Shipp, Campbellsville, Ky.	L 99.50 F 97.28	L 80+10 F +	
0-3431	Lot C 211 John A. Sheehan, Falmouth	The Livingston Seed Co., Cincinnati, Ohio	L 99.10 F —	L 80+12 F +	
0-3437	E. A. Cohen, Greenville	Unknown	L 98 F —	L 80+12 F +	Excessive
0-3443	Lot 2894 A Garrard Mills, Lancaster	Scott Seed Co., New Albany, Ind.	L 98 F +	L 75+15 F +	

TABLE 1.—ANALYSES OF SEEDS—Continued

Lab. No.	Kind of seed and name and address of dealer	Purchased from	Purity	Germination	Noxious weed seed
			Percent	Percent	
0-3449	Mc 1 Columbia Super Market, Columbia	J. B. Lucas, Franklin, Ky.	L 99.25 F +	L 80+10 F +	
0-3450	Lot 392 C. R. Hutchinson & Son, Columbia	National Seed Co., Louisville, Ky.	L 96 F —	L 70+20 F —	
0-3456	Lot 1494 Henry Durham, Greensburg	Chambers Seed Co., Louisville, Ky.	L 98 F +	L 80+10 F +	
0-3458	Lot 65 Woodson Lewis, Greensburg	Garth & Orr, Trenton, Ky.	L 98.50 F +	L 85+10 F —	
0-3465	Farmers Supply Co., Harrodsburg	Farmers Supply Co., Danville, Ky.	L 99.65 F —	L 95 F —	
0-3467	Lot 4392 Liberty Hdw. Co., Liberty	Scott Seed Co., New Albany, Ind.	L 96 F +	L 65+15 F +	
0-3468	Lot 10 T. T. Coe, Jamestown	Pennyroyal Seed Co., Hopkinsville, Ky.	L 99.02 F —	L 70+20 F +	
0-3469	Lot 15 Miller Hdw. Co., Jamestown	Pennyroyal Seed Co., Hopkinsville, Ky.	L 98.74 F 97.14	L 70+20 F +	Excessive
0-3471	Lot Mc 2 Richards Bros., Russell Springs	J. B. Lucas, Franklin, Ky.	L 99.72 F +	L 80+10 F +	
0-3472	Lot E 3 Graves Hdw. Co., Scottsville	C. B. Ragland & Co., Nashville, Tenn.	L 94.66 F +	L 76+14 F —	
0-3475	Lot 31 Scottsville Feed Co., Scottsville	E. K. Hardison Seed Co., Nashville, Tenn.	L 97.94 F +	L 82+9 F +	
0-3480	Haskel Vitaeo, Nora	E. S. Ferrill & Sons, Buffalo, Ky.	L 99 F 90.70	L 90 F 60+37	Not listed
0-3483	Geo. P. Taylor Co., Albany	Scott Seed Co., New Albany, Ind.	L 96 F +	L 65+15 F +	
0-3484	Haskel Vitaeo, Nora	E. S. Ferrill & Sons, Buffalo, Ky.	L 82.66 F +	L Blank F 82+16	
0-3488	E 4 Ross, Hollingsworth & Co., Tompkinsville	C. B. Ragland & Co., Nashville, Tenn.	L 93.66 F 83.91	L 74 F 46.45	Excessive
0-3490	446 Robinson & Turley, Richmond	Garth & Orr, Trenton, Ky.	L 98 F +	L 85+10 F +	
0-3492	2996 C. W. White, Richmond	Scott Seed Co., New Albany, Ind.	L 90 F —	L 65+15 F —	
0-3508	43 London Hdw. Co., London	Lewis Seed Co., Louisville, Ky.	L 99 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	Germination	Noxious weed seed
0-3509	Lot 2884 London Hdw. Co., London	Scott Seed Co., New Albany, Ind.	Percent L 98 F +	Percent L 75+15 F +	
0-3510	Lot 1406 Knox Cty. Supply Co., Barbourville	Chambers Seed Co., Louisville, Ky.	L 98.66 F +	L 62+16 F +	
0-3511	Lot 350 Bullock & Bullock, Mt. Vernon	The Mahan Co., Winchester, Ky.	L 95 F 91.52	L 85 F 66+33	Excessive
0-3512	Bullock & Bullock, Mt. Vernon	Ross Seed Co., Louisville, Ky.	L 96.60 F +	L 80+10 F —	
0-3515	Lot 66-Z Watkins Whlse. Groc. Co., East Bernstadt	National Seed Co., Louisville, Ky.	L 95.70 F —	L 70+20 F —	
0-3516	Watkins Whlse. Gros. Co., East Bernstadt	Louisville Seed Co., Louisville, Ky.	L 98.50 F +	L 80+10 F +	
0-3522	Lot 347 Tom Craft, East Bernstadt	The Mahan Co., Winchester, Ky.	L 99 F 97.77	L 90 F —	
0-3523	Lot 354 Tom Craft, East Bernstadt	The Mahan Co., Winchester, Ky.	L 96 F +	L 85 F 57+11	
0-3527	City Market, Berea	The C. S. Brent Seed Co., Lexington, Ky.	L 98.70 F —	L 84+7 F +	
0-3529	Lot 350 Bullock & Bullock, Mt. Vernon	The Mahan Co., Winchester, Ky.	L 95 F 90.03	L 85 F 63+33	Excessive
0-3532	Lot 492 W. O. Dickenson, Glasgow	National Seed Co., Louisville, Ky.	L 98.19 F +	L 70+20 F —	
0-3538	Lot 41118 F. M. Snodgrass, Morgantown	E. K. Hardison Seed Co., Nashville, Tenn.	L 97.82 F +	L 71.19 F +	
0-3539	Lot 4 F. M. Snodgrass, Morgantown	Unknown	L 94.55 F +	L 75+15 F +	
0-3546	K-274 Graves Hdw. Co., Scottsville	C. B. Ragland, Co., Nashville, Tenn.	L 99.15 F +	L 72+18 F +	
0-3550	Lot 161 Ragland, Potter & Co., Hopkinsville	Ragland, Potter & Co., Nashville, Tenn.	L 99 F —	L 70+20 F +	
0-3552	Lot Nix U-Tote-Em Groc., Benton	Unknown	L 99.32 F —	L 66+30 F +	
0-3554	U-Tote-Em Groc., Benton	Unknown	L 98.60 F —	L 75+15 F +	
0-3556	Tom L. McElrath, Murray	Unknown	L 96.34 F —	L 77+24 F —	
0-3557	Taylor Seed & Impl. Co., Murray	Tom L. McElrath, Murray, Ky.	L 82.80 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	Germination	Noxious weed seed
			Percent	Percent	
0-3558	Lot 2 Ross Feed Co., Murray	Midwest Seed Co., Mt. Vernon, Ill.	L 96 F +	L 75+15 F +	
0-3559	Lot 68 Ross Feed Co., Murray	Pennyroyal Seed Co., Hopkinsville, Ky.	L 99.50 F +	L 80+10 F +	
0-3560	L 338 Heathe Hdw. & Furniture Co., Benton	Parker Seed Co., Murray, Ky.	L 99.23 F —	L 84+9 F +	
0-3561	Heathe Hdw. & Furniture Co., Benton	Dairyman's Feed & Supply Co., Mayfield, Ky.	L 98.38 F 96.20	L 70+20 F +	
0-3562	Economy Feed Store, Murray	Tom L. McElrath, Murray, Ky.	L 97.54 F 93.51	L 93 F 59+35	Excessive
0-3563	Lot 238 J. M. Hunt & Son, Wickliffe	Yopp Seed Co., Paducah, Ky.	L 98.85 F +	L 80+10 F +	
0-3564	Lot 162 Shaver Seed Co., Mayfield	J. M. Schultz Seed Co., Dieterich, Ill.	L 99 F +	L 70+20 F +	
0-3570	Lot 262 "C" G. E. Jones & Co., Kuttawa	J. E. Calhoun, Eddyville, Ky.	L 99.43 F —	L 90+6 F +	
0-3571	Joiner Hdw. Co., Princeton	Homer Mitchell, Princeton, Ky.	L 97 F 70.33	L 90 F 69+29	Excessive
0-3577	Lambert-Grisham Hdw. Co., Henderson	Sturgis Impl. & Hdw. Co., Sturgis, Ky.	L 97 F 92.65	L 70+20 F —	Excessive
0-3578	Lot C Lambert-Grisham Hdw. Co., Henderson	Sturgis Impl. & Hdw. Co., Sturgis, Ky.	L 98.70 F —	L 85+10 F +	
0-3607	Walton & Rednour, Walton	The Livingston Seed Co., Cincinnati, Ohio	L 98.30 F 95.64	L 80+12 F —	Excessive
0-3618	197 Renfro Supply Co., Williamsburg	W. P. Bell & Co., Nashville, Tenn.	L 98.50 F +	L 80+10 F +	
0-3666	48 Thomas Hdw. Co., Owenton	Scott Seed Co., New Albany, Ind.	L 98.75 F +	L 70+20 F +	
	Kobe Lespedeza				
0-3474	4182 Scottsville Feed Co., Scottsville	E. K. Hardison Seed Co., Nashville, Tenn.	L 96.14 F +	L 70+14 F +	
	Barley				
0-3166	5 Raymer's Feed Barn Bowling Green	C. B. Ragland Co., Nashville, Tenn.	L 99 F +	L 85 F +	
0-3171	698 J. P. Page & Son, Barlow	Yopp Seed Co., Paducah, Ky.	L 99 F +	L 95 F 74	
0-3178	U-Tote-Em Groc. Co., Murray	Unknown	L 98 F +	L 96 F —	

TABLE 1.—ANALYSES OF SEEDS—Continued

Lab. No.	Kind of seed and name and address of dealer	Purchased from	Purity	Germination	Noxious weed seed
			Percent	Percent	
0-3192	Ky. No. 1 Gentry McCauley, Versailles	S. J. Stokes, Lexington, Ky.	L 99.70 F +	L 87 F +	
0-3222	W. A. Farnau, Lancaster	The C. S. Brent Seed Co., Lexington, Ky.	L 98.75 F 96.39	L 89 F +	
0-3239	Henry Durham, Greensburg	Louisville Seed Co., Louisville, Ky.	L 98 F +	L 99 F —	
Buckwheat					
0-3506	Fiechter Hdw. Co., London	Louisville Seed Co., Louisville, Ky.	L 98 F +	L 90 F —	
Cane					
0-3613	Farmers Supply Co., Harrodsburg	Farmers Supply Co., Danville, Ky.	L 95 F +	L 85 F +	
0-3638	John B. Penn & Co., Georgetown	National Seed Co., Louisville, Ky.	L 99 F —	L 90 F +	
0-3648	J. E. M. Milling Co., Frankfort	Louisville Seed Co., Louisville, Ky.	L 98 F —	L 80 F +	
0-3649	J. E. M. Milling Co., Frankfort	Louisville Seed Co., Louisville, Ky.	L 97 F +	L 80 F +	
Sudan Grass					
0-3262	7988 Geo. P. Taylor Co., Burnside	The J. Chas. McCullough Seed Co., Cincinnati, O.	L 99.10 F —	L 92 F 81	
0-3536	421 Vick Smith, Bowling Green	E. K. Hardison Seed Co., Nashville, Tenn.	L 98.70 F —	L 90 F 81	
0-3544	1-F American Hdw. Co., Bowling Green	E. K. Hardison Seed Co., Nashville, Tenn.	L 98.10 F +	L 85 F —	
0-3565	845 J. P. Page & Son, Barlow	Yopp Seed Co., Paducah, Ky.	L 98.36 F +	L 90 F —	
0-3568	U-Tote-Em Groc. Co., Clinton	Unknown	L 98 F +	L 85 F +	
0-3575	4507 Norris Hdw. & Seed Co., Henderson	The Heldt-Monroe Co., Evansville, Ind.	L 99 F —	L 88 F —	
0-3595	9345 Millersburg Coal & Lmb. Co., Millersburg	The J. Chas. McCullough Seed Co., Cincinnati, O.	L 96.89 F +	L 90 F 80	
Corn					
0-3429	U. S. 13 F 28 John A. Sheehan, Falmouth	W. L. Williams, Wilmington, Ohio	L 99.90 F —	L 90 F +	
0-3430	U. S. 13 F 20 John A. Sheehan, Falmouth	W. L. Williams, Wilmington, Ohio	L 99.90 F —	L 90 F +	
0-3501	J. C. Wh. Dyche Jones, London	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	Germination	Noxious weed seed
0-3502....	Tenn, R. C. Dyche Jones, London	Louisville Seed Co., Louisville, Ky.	Percent F 98 F +	Percent L 95 F +	
0-3503....	Reid's Y. D. Dyche Jones, London	Louisville Seed Co., Louisville, Ky.	L 98 F +	L 95 F —	
0-3540....	894 Scottsville Feed Co., Scottsville	Dobson-Hicks Co., Nashville, Tenn.	L 98 F +	L 90 F +	
0-3541....	891 Scottsville Feed Co., Scottsville	Dobson-Hicks Co., Nashville, Tenn.	L 98 F +	L 90 F +	
0-3542....	893 Scottsville Feed Co., Scottsville	Dobson-Hicks Co., Nashville, Tenn.	L 98 F +	L 90 F +	
0-3543....	906 Scottsville Feed Co., Scottsville	Dobson-Hicks Co., Nashville, Tenn.	L 98 F +	L 90 F +	
0-3584....	U. S. 13 Lester L. Lynd, Ashland	H. H. Spahr, Mayfield	L — F —	L 96 F —	
0-3587....	U. S. 13 851 Rankin Hatchery, Flemingsburg	Unknown	L — F —	L 95 F +	
0-3611....	Ky. 69 H. T. Adams & Co., Harrodsburg	National Seed Co., Louisville, Ky.	L 99 F —	L 92 F +	
0-3615....	U. S. 13 A. T. Sanders, Lancaster	The Livingston Seed Co., Cincinnati, Ohio	L — F —	L 95 F +	
0-3621....	U. S. 13 Morris Bros., Somerset	Chambers Seed Co., Louisville, Ky.	L — F —	L 95 F +	
0-3622....	U. S. 13 Taylor Cty. Supply Co., Campbellsville	Chambers Seed Co., Louisville, Ky.	L — F —	L 95 F —	
0-3625....	U. S. 13 J. M. McClure & Son, Springfield	Chambers Seed Co., Louisville, Ky.	L — F —	L 95 F —	
0-3626....	U. S. 13 Farmers Union Supply Co., Versailles	F. W. Rickard, Winchester, Ky.	L 98 F +	L 95 F +	
0-3627....	Ky. 69 Farmers Union Supply Co., Versailles	F. W. Rickard, Winchester, Ky.	L 98 F +	L 95 F +	
0-3630....	Ky. Y 103 Farmers Union Supply Co., Versailles	F. W. Rickard, Winchester, Ky.	L 98 F +	L 95 F +	
0-3631....	Y 102 Farmers Union Supply Co., Versailles	F. W. Rickard, Winchester, Ky.	L 98 F +	L 95 F +	

TABLE 1.—ANALYSES OF SEEDS—Continued

Lab. No.	Kind of seed and name and address of dealer	Purchased from	Purity	Germination	Noxious weed seed
0-3632	U. S. 13 McCauley Bros. Seed Co., Versailles	S. J. Stokes, Lexington, Ky.	Percent L 99 F —	Percent L 98 F +	
0-3633	R. S. McCauley Bros. Seed Co., Versailles	T. W. Wood & Sons, Richmond, Virginia	L 99 F —	L 90 F +	
0-3634	U. S. 13 McCauley Bros. Seed Co., Versailles	Chambers Seed Co., Louisville, Ky.	L 98 F +	L 95 F +	
0-3635	R. Y. D. McCauley Bros. Seed Co., Versailles	Ross Seed Co., Louisville, Ky.	L 99.50 F —	L 95 F +	
0-3637	J. C. W. McCauley Bros. Seed Co., Versailles	Ross Seed Co., Louisville, Ky.	L 99.50 F —	L 95 F —	
0-3639	F. G. 90 John B. Penn & Co., Georgetown	Lewis Seed Co., Louisville, Ky.	L 99 F —	L 90 F +	
0-3640	Ky. 69-B John B. Penn & Co., Georgetown	Virgil Steed, Lexington, Ky.	L 98 F +	L 99 F —	
0-3641	R. Y. D. John B. Penn & Co., Georgetown	Lewis Seed Co., Louisville, Ky.	L 99 F —	L 90 F —	
0-3642	U. S. 13 John B. Penn & Co., Georgetown	W. L. Williams, Wilmington, Ohio	L 99.90 F —	L 90 F +	
0-3643	T. R. C. J. E. M. Milling Co., Frankfort	Louisville Seed Co., Louisville, Ky.	L 98 F +	L 95 F —	
0-3644	90 D. Y. J. E. M. Milling Co., Frankfort	Louisville Seed Co., Louisville, Ky.	L 98 F +	L 95 F +	
0-3645	U. S. 13 J. E. M. Milling Co., Frankfort	Ross Seed Co., Louisville, Ky.	L 99 F —	L 90 F +	
0-3646	R. Y. D. J. E. M. Milling Co., Frankfort	Louisville Seed Co., Louisville, Ky.	L 97 F +	L 90 F +	
0-3647	H. K. J. E. M. Milling Co., Frankfort	Louisville Seed Co., Louisville, Ky.	L 98 F +	L 90 F —	
0-3654	U. S. 13 F Lebanon Carriage & Impl. Co., Lebanon	Yopp Seed Co., Paducah, Ky.	L 99 F —	L 95 F +	
0-3655	U. S. 13 Lawson & Shewmaker, Harrodsburg	Sphar & Co., Winchester, Ky.	L — F —	L 93 F —	
0-3657	U. S. 13 Lawson & Shewmaker, Harrodsburg	Sphar & Co., Winchester, Ky.	L No tag F —	L No tag F 80	

TABLE 1.—ANALYSES OF SEEDS—Continued

Lab. No.	Kind of seed and name and address of dealer	Purchased from	Purity	Germination	Noxious weed seed
0-3658	B. C. W. J. E. M. Milling Co., Frankfort	Louisville Seed Co., Louisville, Ky.	L 98 F +	L 95 F +	
0-3659	U. S. 13 J. D. White, Leitchfield	Chambers Seed Co., Louisville, Ky.	L — F —	L 95 F +	
0-3660	U. S. 13 J. D. White, Leitchfield	Chambers Seed Co., Louisville, Ky.	L — F —	L 95 F +	
0-3661	Ky. 69 W. J. D. White, Leitchfield	Chambers Seed Co., Louisville, Ky.	L 99 F —	L 96 F +	
0-3662	Y-105 J. D. White, Leitchfield	Chambers Seed Co., Louisville, Ky.	L 99 F —	L 98 F +	
0-3663	U. S. 13 Eschol Kiper & Son, Leitchfield	DeWall Seed Co., Gibson City, Ill.	L 99 F —	L 96 F +	
0-3668	U. S. 13-1 Thomas Hdw. Co., Owenton	T. A. Weldon, Rising Sun, Ind.	L 99 F —	L 97 F —	
Cowpeas					
0-3514	Whip.-Mix Watkins Whlse. Groc. Co., East Bernstadt	Ross Seed Co., Louisville, Ky.	L 88 F +	L 80 F +	
0-3629	Mixed Farmers Union Supply Co., Versailles	Ross Seed Co., Louisville, Ky.	L 98 F +	L 85 F +	
0-3652	Mixed J. E. M. Milling Co., Frankfort	Louisville Seed Co., Louisville, Ky.	L 98 F +	L 80 F +	
0-3653	Whip.-Mix J. E. M. Milling Co., Frankfort	Louisville Seed Co., Louisville, Ky.	L 98 F —	L 80 F +	
Oats					
0-3137	Stanley's Store, Corbin	Louisville Seed Co., Louisville, Ky.	L 98 F +	L 90 F +	
0-3167	Win. Turf Young Hdw. Co., Hopkinsville	Unknown	L 98 F 96.71	L 90 F +	
0-3255	860 Pulliam Feed Store, Edmonton	C. L. Jewell & Son, Louisville, Ky.	L 98 F +	L 90 F +	
0-3287	Win. Turf Dixie Feed Co., Middlesboro	Ross Seed Co., Louisville, Ky.	L 97 F +	L 85 F +	
0-3309	Win. Turf Stanley's Store, Corbin	Louisville Seed Co., Louisville, Ky.	L 98 F +	L 90 F +	
0-3328	Red 1 J. H. Tate & Co., Monticello	Aubrey & Co., Louisville, 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	Germination	Noxious weed seed
			Percent	Percent	
0-3329	Dyche Jones, London	Lewis Seed Co., Louisville, Ky.	L 98 F 95.57	L 90 F —	
0-3404	Win. Turf Williams Groc. Co., Paintsville	The Mahan Co., Winchester, Ky.	L 98 F +	L 90 F —	
0-3415	Turf Blair Whlse. Groc., West Liberty	The Mahan Co., Winchester, Ky.	L 98 F +	L 90 F +	
0-3418	310 White Homer Elam, West Liberty	The Early & Daniel Co., Cincinnati, Ohio	L 95 F +	L 90 F +	
0-3425	Taylor Cty. Supply Co., Campbellsville	Aubrey & Co., Louisville, Ky.	L 95 F +	L 90 F —	
0-3452	869 White Pulliam Feed Co., Edmonton	Chambers Seed Co., Louisville, Ky.	L 98 F +	L 90 F +	
0-3473	351 Graves Hdw. Co., Scottsville	L. P. Gunson & Co., Rochester, New York	L 99.50 F +	L 90 F +	
0-3477	Red Harlan, Railey & Carter, Tompkinsville	Unknown	L 94.25 F +	L 90 F +	
0-3491	Columbia Gray Robinson & Turley, Richmond	The C. S. Brent Seed Co., Lexington, Ky.	L 98 F +	L 85 F +	
0-3499	Swedish Star—351, Henderson & Hardy, Shepherdsville	L. P. Gunson & Co., Rochester, New York	L 99.50 F —	L 90 F +	
0-3504	Burt Dyche Jones, London	Henry Fruechtenicht, Louisville, Ky.	L 96 F +	L 90 F +	
0-3505	N. White Dyche Jones, London	Henry Fruechtenicht, Louisville, Ky.	L 96 F +	L 90 F +	
0-3507	White Fiechter Hdw. Co., London	Louisville Seed Co., Louisville, Ky.	L 98 F +	L 90 F +	
0-3518	Red Tom Craft, East Bernstadt	Louisville Seed Co., Louisville, Ky.	L 95 F +	L 90 F +	
0-3533	W. D. Dickerson, Glasgow	C. B. Ragland Co., Nashville, Tenn.	L 98.19 F 96.74	L 90 F —	
0-3545	Blk. Mix Graves Hdw. Co., Scottsville	C. B. Ragland Co., Nashville, Tenn.	L 94.87 F +	L 88 F +	
0-3553	Burt U-Tote-Em Groc. Co., Murray	Unknown	L 97 F +	L 92 F 75	
0-3592	White—310 Lawrence Bowling, Catlettsburg	The Early & Daniel Co., Cincinnati, Ohio	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	Germination	Noxious weed seed
	Rye		Percent	Percent	
0-3123	N. White Roy H. Vice, Owingsville	Cincinnati Grain & Hay Co., Cincinnati, Ohio	L 98 F —	L 95 F 80	
0-3124	No. 1 Grayson Milling Co., Grayson	The Early & Daniel Co., Cincinnati, Ohio	L 95 F +	L 85 F +	
0-3125	Nothern 820 W. H. Brock & Co., Winchester	Unknown	L 95 F +	L 90 F —	
0-3128	Rosen 41 Bedford & Tuttle, Winchester	Sphar & Co., Winchester, Ky.	L 95 F +	L 80 F +	
0-3129	Balbo Feeders Supply Co., Catlettsburg	Ross Seed Co., Louisville, Ky.	L 98 F +	L 90 F +	
0-3136	N. White Dixie Feed Store, Middlesboro	Louisville Seed Co., Louisville, Ky.	L 98 F 96.20	L 90 F —	
0-3140	London Hdw. Co., London	National Seed Co., Louisville, Ky.	L 98 F +	L 90 F —	
0-3144	White 25 Henry Durham, Greensburg	Bundy Bros., Vallonia, Ind.	L 98 F —	L 90 F —	
0-3146	Balbo M Woodson Lewis, Greensburg	Farmers Elevator Co., Franklin, Ky.	L 98 F —	L 90 F +	
0-3152	Balbo C. R. Hutchinson & Son, Columbia	Ross Seed Co., Louisville, Ky.	L 98 F +	L 90 F +	
0-3161	Balbo R Vick Smith, Bowling Green	Farmers Elevator Co., Franklin, Ky.	L 96 F +	L 90 F 74	
0-3162	Balbo Vick Smith, Bowling Green	Farmers Elevator Co., Franklin, Ky.	L 95 F +	L 90 F +	
0-3163	Balbo 1427 American Hdw. Co., Bowling Green	E. K. Hardison Seed Co., Nashville, Tenn.	L 98.52 F +	L 82 F +	
0-3164	Balbo M Raymer Feed Barn, Bowling Green	C. B. Ragland Co., Nashville, Tenn.	L 96 F +	L 80 F +	
0-3169	Northern 885 Gresham Bros., Eddyville	Yopp Seed Co., Paducah, Ky.	L 97.25 F —	L 91 F —	
0-3177	U-Tote-Em Groc. Co., Murray	Unknown	L 98 F 96.16	L 96.10 F —	
0-3181	Balbo 87182 Fox Hdw. Co., Madisonville	Unknown	L 99.86 F —	L 80 F +	
0-3183	87595 Fox Hdw. Co., Madisonville	Unknown	L 98.52 F +	L 93 F +	

TABLE 1.—ANALYSES OF SEEDS—Continued

Lab. No.	Kind of seed and name and address of dealer	Purchased from	Purity	Germination	Noxious weed seed
			Percent	Percent	
0-3199	Northern Dodd's Corner, Nicholasville	Aubrey & Co., Louisville, Ky.	L 95 F +	L 90 F —	
0-3210	John A. Sheehan. Falmouth	The Early & Daniel Co., Cincinnati, Ohio	L 95 F +	L 82 F +	
0-3230	Balbo B-41 Anderson & Spilman, Danville	Sphar & Co., Winchester, Ky.	L 95 F +	L 90 F +	
0-3231	White J. A. Bennett, Taylorsville	Ross Seed Co., Louisville, Ky.	L 95 F +	L 90 F —	
0-3233	Balbo J. H. McClure & Sons, Springfield	Chambers Seed Co., Louisville, Ky.	L 97 F —	L 85 F +	
0-3242	Nor. White Duncan & Thesis, LaGrange	Aubrey & Co., Louisville, Ky.	L 95 F +	L 90 F —	
0-3273	Scottsville Feed Co., Scottsville	Unknown	L 97.88 F 93.48	L 93 F —	
0-3277	688 Farmers Merchant & Mill. Co., Brooksville	The Market Gardeners' Seed Co., Cincinnati, O.	L 96 F +	L 90 F —	
	Soybeans				
0-3402	Va. Brown Powell-Hackney Groc. Co., Jackson	The Market Gardeners' Seed Co., Cincinnati, O.	L 98 F —	L 90 F —	
0-3409	Va. Br. Arthur Merchants Groc. Co., Pikeville	Ohio Valley Seed Co., Evansville, Ind.	L 98 F +	L 80+9 F +	
0-3513	Black Watkins Whlse. Groc. Co., East Bernstadt	Ross Seed Co., Louisville, Ky.	L 98 F +	L 80 F +	
0-3531	M. Yel. 248 W. D. Dickerson, Glasgow	Blount, Midyette & Co., Washington, N. C.	L 98 F +	L 90 F +	
0-3551	Va. Br. 61 Ragland, Potter & Co., Hopkinsville	Unknown	L 98 F +	L 85 F +	
0-3555	Kingwa Tom L. McElrath, Murray	Unknown	L 98 F +	L 88+10 F +	
0-3567	Laredo U-Tote-Em Groc. Co., Fulton	Unknown	L 98 F +	L 88 F +	
0-3576	McC. J. Lambert-Grisham Hdw. Co., Henderson	Sturgis Impl. & Hdw. Co., Sturgis, Ky.	L 90 F +	L 80+5 F 58	
0-3593	Manchu 1910 J. F. Bertram, Vanceburg	The Livingston Seed Co., Cincinnati, Ohio	L 98.50 F +	L 85 F +	
0-3597	Bl. Wilson C. M. C. Kentucky Whlse. Co., Pikeville	Carter-Venable Co., Richmond, Virginia	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	Germination	Noxious weed seed
			Percent	Percent	
0-3598	Manchu Louisa Supply Co., Louisa	The Ohio Grain Co., Manchester, Ohio	L 95 F —	L 90 F +	
0-3599	Va. Br. Williams Groc. Co., Paintsville	Sphar & Co., Winchester, Ky.	L 95 F +	L 80 F +	
0-3600	Bl. Wil. Williams Groc. Co., Paintsville	Sphar & Co., Winchester, Ky.	L 95 F +	L 90 F +	
0-3601	Va. Br. 1092 Walton Feed Mill, Walton	The Market Gardeners' Seed Co., Cincinnati, O.	L 98.10 F 96.26	L 92 F +	
0-3602	Wilson 1082-B Walton Feed Mill, Walton	The Market Gardeners' Seed Co., Cincinnati, O.	L 99 F 97.50	L 70+15 F +	
0-3612	Ear. Yel. Farmers Supply Co., Danville	Ross Seed Co., Louisville, Ky.	L 98 F +	L 85 F 69	
0-3614	M. Yel. Baughman Milling Co., Stanford	Ross Seed Co., Louisville, Ky.	L 98 F +	L 85 F —	
0-3616	Yellow G. M. Estes, Science Hill	Louisville Seed Co., Louisville, Ky.	L 98 F +	L 80 F —	
0-3617	Va. Br. G. M. Estes, Science Hill	Louisville Seed Co., Louisville, Ky.	L 98 F +	L 80 F +	
0-3619	Tokio 9 Renfro Supply Co., Williamsburg	Walker Feed & Seed Co., Washington, N. C.	L 98 F +	L 90 F —	
0-3623	Ind. Laredo Taylor Cty. Supply Co., Campbellsville	Lewis Seed Co., Louisville, Ky.	L 98 F +	L 80+10 F +	
0-3624	Yellow Greenwell's Feed Store, Lebanon	Louisville Seed Co., Louisville, Ky.	L 98 F +	L 80 F —	
0-3650	Yellow J. E. M. Milling Co., Frankfort	Louisville Seed Co., Louisville, Ky.	L 98 F —	L 80 F +	
0-3651	Black J. E. M. Milling Co., Frankfort	Louisville Seed Co., Louisville, Ky.	L 98 F +	L 85 F +	
	Vetch				
0-3134	Bell Cty. Supply Co., Middlesboro	Unknown	L 95 F +	L 90 F +	
0-3148	1639 Woodson Lewis, Greensburg	Chambers Seed Co., Louisville, Ky.	L 99 F +	L 75+16 F +	
0-3150	Davis Hdw. Co., Columbia	Louisville Seed Co., Louisville, Ky.	L 99 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		Germination	Noxious weed seed
			Percent	Percent		
0-3214	Hess & Racke, Alexandria	The Livingston Seed Co., Cincinnati, Ohio	L 99.25 F +	L 75+15 F +		
0-3237	1639 Woodson Lewis, Greensburg	Chambers Seed Co., Louisville, Ky.	L 99 F +	L 75+16 F +		
0-3238	21 Henry Durham, Greensburg	National Seed Co., Louisville, Ky.	L 99 F +	L 75 F +		
Wheat						
0-3191	Rudy McCauley Bros. Seed Co., Versailles	Unknown	L 99.45 F —	L 92 F —		
0-3285	Smooth Congleton Bros., Beattyville	Ross Seed Co., Louisville, Ky.	L 98 F +	L 90 F +		
Mixtures						
0-3249	824 Henderson & Hardy, Shepherdsville	Chambers Seed Co., Louisville, Ky.	L 71.25 F —	L 86 F +		
0-3312	512 Bastin Lumber Co., Lancaster	Ross Seed Co., Louisville, Ky.	L 97 F —	L 84 F —		
0-3333	9372 The C. T. Ashley Co., Nicholasville	The J. Chas. McCullough Seed Co., Cincinnati, O.	L 90.27 F +	L 80 F —		
0-3461	1308 Barnett-Sullivan & Co., Harrodsburg	Unknown	L 94.80 F +	L 79 F —		
0-3478	Pasture B Harlin, Rally & Carter, Tompkinsville	Scott Seed Co., New Albany, Ind.	L 91.51 F +	L 70 F +		
0-3479	Pasture Ross, Hollingsworth & Co., Tompkinsville	Ross Seed Co., Louisville, Ky.	L 82.15 F +	L 70 F —		
Miscellaneous						
0-3438	Mustard, S. G. Curled 419 E. A. Cohen, Greenville	E. K. Hardison Seed Co., Nashville, Tenn.	L 99 F —	L 84 F +		
0-3439	Peas, Alaska 120 E. A. Cohen, Greenville	Ragland, Potter & Co., Hopkinsville, Ky.	L 99 F —	L 85 F —		

TABLE 2. WHOLESALE DEALERS

Name	Address	No. of samples	Unlawful
Aubrey & Co.	Louisville, Ky.	5	0
Bell, W. P., & Co.	Nashville, Tenn.	1	0
Blount-Midyette & Co.	Washington, N. C.	1	0
Brachett & Co.	St. Peter, Ill.	1	0
Brent, The C. S., Seed Co.	Lexington, Ky.	12	3
Brent & Co.	Paris, Ky.	1	1
Bundy Bros.	Vallonia Ind.	1	0
Carter-Venable Co.	Richmond, Va.	1	0
Chambers Seed Co.	Louisville, Ky.	39	8
Cincinnati Grain & Hay Co.	Cincinnati, O.	1	1
Corneli Seed Co.	St. Louis, Mo.	1	0
Cover, U. J., Seed Co.	Mt. Gilead, O.	4	3
Dairyman's Feed & Supply Co.	Mayfield, Ky.	1	1
DeWall Seed Co.	Gibson City, Ill.	1	0
Dobson-Hicks Co.	Nashville, Tenn.	7	0
Early & Daniel Co., The	Cincinnati, O.	4	0
Farmers Elevator Co.	Franklin, Ky.	9	1
Ferrill, E. S., & Son	Buffalo, Ky.	3	2
Foster-Kendall Co.	Carmel, Ind.	2	2
Fruechtenicht, Henry	Louisville, Ky.	2	0
Garth & Orr	Trenton, Ky.	3	0
Green Bros.	Nashville, Tenn.	4	1
Gunson, L. P., & Co.	Rochester, N. Y.	2	0
Hardison, E. K., Seed Co.	Nashville, Tenn.	8	1
Harralson Feed & Seed Store	Owensboro, Ky.	1	0
Heldt-Monroe Co.	Evansville, Ind.	3	0
Jewell, C. L., & Son	Louisville, Ky.	1	0
Lambert-Grisham Hdw. Co.	Henderson, Ky.	1	0
Lewis Seed Co., The	Louisville, Ky.	14	3
Lexington Seed Co.	Lexington, Ky.	1	0
Livingston Seed Co.	Cincinnati, O.	40	13
Louisville Seed Co.	Louisville, Ky.	55	6
Lucas, J. B.	Franklin, Ky.	5	0
McCullough, The J. Chas., Seed Co.	Cincinnati, O.	26	4
McLoney, L. C., & Son	Cynthiana, Ky.	1	1
Mahan Co., The	Winchester, Ky.	26	10
Manglesdorf, Ed. F., & Bro.	St. Louis, Mo.	1	0
Market Gardeners' Seed Co., The	Cincinnati, O.	16	3
Midwest Seed Co.	Mt. Vernon, Ill.	1	0
National Seed Co.	Louisville, Ky.	35	8
Ohio Grain Co., The	Manchester, O.	1	0
Ohio Valley Seed Co., The	Evansville, Ind.	1	0
Parker Seed Co.	Murray, Ky.	1	0
Pennyroyal Seed Co.	Hopkinsville, Ky.	3	1
Purcell Seed Co.	Evansville, Ind.	9	0
Ragland, C. B., Co.	Nashville, Tenn.	13	4
Ragland, Potter & Co.	Hopkinsville, Ky.	1	0
Ragland, Potter & Co.	Glasgow, Ky.	1	0
Ragland, Potter & Co.	Nashville, Tenn.	1	0
Ross Seed Co.	Louisville, Ky.	53	4
Rudy-Patrick Seed Co.	Kansas City, Mo.	1	0
Schultz, J. M., Seed Co.	Dieterich, Ill.	6	1
Scott Seed Co.	New Albany, Ind.	22	3
Shipp, Allison	Campbellsville, Ky.	1	1
Smith, E. M., & Son	Cynthiana, Ky.	2	1
Sphar & Co.	Winchester, Ky.	8	1
Spears-Kiser Co.	Paris, Ky.	1	0
Spears, Woodford, & Son	Paris, Ky.	3	0
Sturgis Impl. & Hdw. Co.	Sturgis, Ky.	3	2
Walker Feed & Seed Co.	Washington, N. C.	1	0
Williamstown Roller Mills	Williamstown, Ky.	2	2
Williams, W. L.	Wilmington, O.	3	0
Wilson, James S., & Sons	Paris, Ky.	1	0
Wood, T. W., & Sons	Richmond, Va.	1	0
Wyatt Seed Co.	Petersburg, Ind.	2	0
Yopp Seed Co.	Paducah, Ky.	6	1
Young & Conway	Morganfield, Ky.	1	0
Farmers		25	7
Unknown & Miscellaneous		30	7
		544	107

TABLE 3. KIND AND NUMBER OF VIOLATIONS

Kind of seed	No. of samples	Purity	Germination	Noxious weeds	Total samples unlawful
Bluegrass	72	10	8	9	21
Millet	2	.....	.....	.....	.....
Orchard grass	26	5	.....	5	9
Redtop	31	2	2	1	4
Ryegrass	6	.....	.....	.....	.....
Timothy	57	1	9	11	16
Alfalfa	30	.....	.....	.....	.....
Alsike clover	4	1	1	2	3
Crimson clover	19	.....	2	.....	1
Mammoth clover	4	1	.....	1	1
Red clover	41	4	1	8	11
Sapling clover	2	.....	.....	1	1
Sweet clover	8	1	3	.....	3
Lespedeza	87	15	8	10	18
Barley	6	1	1	1	2
Buckwheat	1	.....	.....	.....	.....
Cane	3	.....	.....	.....	.....
Sudan grass	7	.....	3	.....	3
Corn	44	.....	1	.....	1
Cowpeas	4	.....	.....	.....	.....
Oats	24	3	1	2	4
Rye	26	4	4	1	5
Soybeans	24	3	4	.....	4
Vetch	6	.....	.....	.....	.....
Wheat	2	.....	.....	.....	.....
Mixtures	6	.....	.....	.....	.....
Miscellaneous	2	.....	.....	.....	.....
	544	52	48	53	107

FIFTH COLUMN ON THE FARM

Noxious weeds constitute a fifth column on the farm.

Their presence makes it difficult for cultivated crops to produce the results desired.

Their persistence and expansion increase the cost of farming.

They reduce yields, impair quality, and add to the worries and burdens of the farmer.

Keep them out! Buy only the best seed, and be sure the enemy is not hidden in the bag. Read the state tag carefully, on both sides. If it states that noxious weed seed are present, even in small quantities, look for better seed. Remember: "An ounce of prevention is worth a pound of cure". **Keep them out!**

1000—6-42
500—11-42