



pennsylvania
DEPARTMENT OF AGRICULTURE

**Pennsylvania Department of Agriculture
Bureau of Plant Industry
2020 Fiscal Year Seed Report
Pennsylvania Seed Act**

January 2022

Overview

The Pennsylvania Department of Agriculture Bureau of Plant Industry Seed Division performs analyses on seed samples drawn under the authority of the Pennsylvania Seed Act (amended 2005). The act provides consumers with truthful and accurate information to help make seed purchasing decisions.

The division is responsible for (1) administration and enforcement of the Pennsylvania Seed Act; (2) administration of the Seed Certification Act; (3) operation of the State Seed Laboratory; and (4) maintenance of the seed herbarium.

This report is a summary of official seed inspection and laboratory analyses performed by the seed division from **July 1, 2020 to June 30, 2021**.

Regulatory Requirements

The Seed act, from which the division derives its authority, requires proper labeling for all seeds distributed in Pennsylvania. Information must appear on a tag or label attached in a conspicuous place on the exterior of the seed container. Seed not properly labeled are subject to a "Stop Sale" order, which prohibits their sale/distribution until relabeled to be in compliance with the law. Additionally, the person whose name appears on the seed analysis label must obtain an annual seed license at a cost of \$25.

During the fiscal year of 2020 there were **552** licensed Seed Dealers. The Department collected a total of **\$13,800.00** for Seed Dealers license fees.

The Pennsylvania Code Chapter 111 lists additional requirements for labeling seeds, including:

- Labeling of flower seed mixtures
- Labeling of lawn seed mixtures
- Labeling of treated seeds
- Labeling of seeds for sprouting
- Germination standards for vegetable and flower seeds
- List of prohibited noxious weed seeds
- List of restricted noxious weed seeds including undesirable grass seed in lawn and turf seeds

Seed Certification

Seed certification helps maintain, and make available to the public, sources of high quality seeds and propagating materials of superior varieties grown and distributed to ensure genetic identity. Only after passing rigid field and seed standards can seed be labeled as a class of certified seed. For a summary of crop, variety and acres inspected see Table V.

During the fiscal year the Department collected, **\$8,048.15** in fees for field inspection, tags, labels and other services.

The Pennsylvania Department of Agriculture is an active member of the Association of Official Seed Certifying Agencies.

Seed Laboratory

The Seed Laboratory provides technical information and performs a range of tests and analyses on seed samples from various sources. All seed samples are prepared and tested according to the "AOSA Rules for Testing Seeds" as approved and published by the Association of Official Seed Analysts (AOSA).

During the reporting period, the laboratory received **3,527** samples that required **5,239** separate tests (See Table I). Plant Industry Inspectors submitted **1,200** regulatory seed samples for enforcement of the Seed Act, and **2** regulatory samples to test for viable weed seed to aid in the enforcement of the PA Feed Act. In addition, Plant Industry Inspectors issued **74** Seed Stop Sale Notices for labeling violations directly at retail and wholesale locations representing **2158** containers.

Farmers, wholesale seedsmen and retail outlets submitted **2,092** service samples for labeling purposes and guidance in planting. The seed certification program and various other state agencies submitted **233** samples to determine if the seed met their standards or specifications. The Department collected a total of **\$59,113.50** in fees for these services. (Due to COVID 19 mitigation efforts, the Seed Program again ran at a reduced capacity and saw a decrease in regulatory and service seed samples this fiscal year.)

The Pennsylvania Seed Act provides the Department the authority to fix, adjust, assess and collect fees for the certification inspection services and requested seed tests. The fees shall be enough to meet reasonable expenses incurred by the Department in making such inspections for certification and conducting seed tests. The current fee structure for seed service samples and certification services are available on the Department website at www.agriculture.pa.gov. The Secretary may adjust the fees by sending notice to licensees and publishing a notice in the Pennsylvania Bulletin. The fees, derived from these services and seed dealer licensing fees, help support the Seed Program.

The Seed Analysts also identifies and tests seeds for the Pennsylvania Department of Transportation, other various State agencies, the State Police Crime Laboratory and the public.

The Seed Laboratory is an active member of AOSA and cooperates in work of various committees. Staff members attend the virtual annual meeting of AOSA to vote on rule changes, discuss other items of business and attend committee meetings. Currently, Seed Program Supervisor Johnny Zook is the Vice President of the AOSA. Seed Laboratory Supervisor Nishit Patel is the current AOSA CO-chair of the joint Purity Committee. Staff members also participated in online seed training; notably the USDA and AOSA webinars.

The department is also an active member of the Association of American Seed Control Officials (AASCO). Seed Program Supervisor Johnny Zook attends the annual meeting and represents the Association at affiliate meetings.

Each year the Seed Analysts assist the small grain judge at the Pennsylvania Farm Show by examining each individual exhibit for noxious and common weed seeds, other crop seeds and foreign material.

Table I

Classification of samples by kind and numbers of tests involved.

Number of Samples	Kinds	Purity	Noxious Weed Examinations	Germinations*
1,098	Vegetable	1	4	1,091
1,804	Agricultural	540	724	1,677
187	Flower	0	0	194
4	Tree	0	0	0
2	Feed	0	2	0
0	Sprouting Seed	0	0	0
103	Pasture Mix or Blend	17	11	65
11	Flower Mix or Blend	0	0	3
22	Vegetable Mix or Blend	2	0	12
91	Conservation Mix or Blend	4	4	7
0	Vegetable Kit	0	0	0
205	Lawn Mix or Blend	87	95	76
0	Unidentified	0	0	0
0	Native Warm Season Mix or Blend	0	0	0
3,527	Totals	651	840	3,125

Other Tests	
Interstate Noxious Weed Test	7
Treated Germination Test	0
Cold Test	200
Sand Test	6
Roundup® Ready Test	2
Tetrazolium Test	10
Endophyte Test	0
Ryegrass Fluorescence Test	180
Oats Fluorescence Test	85
400 Seed Count Test	84
Miscellaneous Test	6
Canada Noxious Weed Test	0
Seed Count Test	43
Total Tests	5,239

* Includes preliminary and final seedling counts.

SEED ACT ENFORCEMENT

In the enforcement of the Seed Act, Plant Industry Inspectors visit wholesale and retail firms to inspect seed labeling and obtain samples for testing. The inspectors collected 1,200 seed samples. A total of 82 lots or 6.83 % of these samples were found to be in violation of the Act, of which 66 (1,433 containers) were placed under “Stop Sale” at 28 locations. The other 16 were either technical or minor violations not requiring a Stop Sale Order. Stop Sales are released when the owner or custodian of the seed follows the recommended procedure to have it relabeled in compliance with the law or otherwise disposed.

The tables on the following pages summarize the Seed Act Activities.

Table II is a comparison of the percentage of all violations for the past three years for all classes of seeds.

Table III summarizes the kinds of agriculture, vegetable and flower seeds tested with the number and percentage violation of each.

Table IV summarizes the inspection record of individual wholesale distributors giving total samples and number correctly labeled or in violation.

Table V represents a summary of crops, varieties and acres inspected by the seed certification program.

Table II

A comparison of violations of seed samples taken by seed inspectors.

Kinds	Number of Samples*	% Violations		
		7/1/2020 - 6/30/2021	7/1/2019 - 6/30/2020	7/1/2018 - 6/30/2019
Vegetable	511	3.13 %	2.51 %	5.47 %
Agricultural	315	5.40 %	11.16 %	16.82 %
Flower	163	9.20 %	4.91 %	13.84 %
Pasture Mix or Blend	43	20.93 %	26.32 %	37.93 %
Flower Mix or Blend	8	0.00 %	0.00 %	100.00 %
Vegetable Mix or Blend	21	0.00 %	0.00 %	66.67 %
Conservation Mix or Blend	5	80.00 %	60.00 %	66.67 %
Vegetable Kit	0	0.00 %	0.00 %	50.00 %
Lawn Mix or Blend	134	15.67 %	20.00 %	12.70 %
Unidentified	0	0.00 %	0.00 %	0.00 %
Native Warm Season Mix or Blend	0	0.00 %	0.00 %	0.00 %
Totals	1,200	6.83 %	5.56 %	10.38 %

* Samples collected by seed inspectors 7/1/2020 - 6/30/2021

Explanation of abbreviations used in tables.

- CL - Correctly labeled.
- SV - Serious violation, discrepancy exceeds double the tolerance.
- MV - Minor violation, discrepancy exceeds regular tolerance.
- TV - Technical violation, label does not bear all required information.
- #VIOL - Number of violations.
- %VIOL - Percentage of violations.

Table III

Total of each kind tested, number and percentage of violations.

Seed Kind Tested	Vegetable Seeds						
	Total	CL	SV	TV	MV	#VIOL	%VIOL
Alfalfa	1	1	0	0	0	0	0.00 %
Arugula	6	6	0	0	0	0	0.00 %
Asparagus	3	3	0	0	0	0	0.00 %
Basil	8	8	0	0	0	0	0.00 %
Bean, Garden	20	18	2	0	0	2	10.00 %
Beet	11	8	3	0	0	3	27.27 %
Broccoli	9	9	0	0	0	0	0.00 %
Brussels-Sprouts	2	2	0	0	0	0	0.00 %
Cabbage	11	10	1	0	0	1	9.09 %
Cantaloupe	7	7	0	0	0	0	0.00 %
Carrot	26	26	0	0	0	0	0.00 %
Catnip	1	1	0	0	0	0	0.00 %
Cauliflower	5	5	0	0	0	0	0.00 %
Celeriac	2	2	0	0	0	0	0.00 %
Celery	1	1	0	0	0	0	0.00 %
Chamomile, Annual	1	1	0	0	0	0	0.00 %
Chamomile, Roman	1	1	0	0	0	0	0.00 %
Chives	3	3	0	0	0	0	0.00 %
Chives, Garlic	1	1	0	0	0	0	0.00 %
Cilantro	4	4	0	0	0	0	0.00 %
Collards	3	3	0	0	0	0	0.00 %
Cornsalad	2	2	0	0	0	0	0.00 %
Cucumber	20	20	0	0	0	0	0.00 %
Dill	6	6	0	0	0	0	0.00 %
Eggplant	10	10	0	0	0	0	0.00 %
Endive	2	2	0	0	0	0	0.00 %
Escarole	1	1	0	0	0	0	0.00 %
Fava Bean	1	1	0	0	0	0	0.00 %
Fennel	2	2	0	0	0	0	0.00 %
Garden Bean	6	6	0	0	0	0	0.00 %
Gourd, Bottle	1	1	0	0	0	0	0.00 %

Seed Kind Tested	Vegetable Seeds						
	Total	CL	SV	TV	MV	#VIOL	%VIOL
Gourds, Luffa (Dishcloth)	1	1	0	0	0	0	0.00 %
Kale	10	10	0	0	0	0	0.00 %
Kohlrabi	4	4	0	0	0	0	0.00 %
Leek	2	2	0	0	0	0	0.00 %
Lettuce	30	27	3	0	0	3	10.00 %
Lima Bean	4	3	1	0	0	1	25.00 %
Malabar Spinach	1	1	0	0	0	0	0.00 %
Marjoram	1	1	0	0	0	0	0.00 %
Melons	1	1	0	0	0	0	0.00 %
Mustard	6	6	0	0	0	0	0.00 %
New Zealand Spinach	1	1	0	0	0	0	0.00 %
Okra	7	7	0	0	0	0	0.00 %
Onion	5	5	0	0	0	0	0.00 %
Oregano	1	1	0	0	0	0	0.00 %
Pakchoi	3	3	0	0	0	0	0.00 %
Parsley	11	11	0	0	0	0	0.00 %
Parsnip	2	2	0	0	0	0	0.00 %
Pea, Garden	24	24	0	0	0	0	0.00 %
Pepper	14	13	1	0	0	1	7.14 %
Pepper, Hot	16	16	0	0	0	0	0.00 %
Pole Bean	8	8	0	0	0	0	0.00 %
Popcorn	1	1	0	0	0	0	0.00 %
Pumpkin	4	4	0	0	0	0	0.00 %
Radicchio	1	1	0	0	0	0	0.00 %
Radish	26	25	1	0	0	1	3.85 %
Sage	1	0	1	0	0	1	100.00 %
Senposai	1	1	0	0	0	0	0.00 %
Shallot	1	1	0	0	0	0	0.00 %
Soybean	2	2	0	0	0	0	0.00 %
Spearmint	1	1	0	0	0	0	0.00 %
Spinach	13	13	0	0	0	0	0.00 %
Squash	17	17	0	0	0	0	0.00 %
Squash, Autum-Winter	6	5	1	0	0	1	16.67 %
Sweet Corn	23	23	0	0	0	0	0.00 %
Swiss Chard	4	4	0	0	0	0	0.00 %
Thyme	5	5	0	0	0	0	0.00 %
Tomatillo	1	1	0	0	0	0	0.00 %
Tomato	56	56	0	0	0	0	0.00 %
Turnip	9	9	0	0	0	0	0.00 %
Umbrella Sedge (Flatsedge)	1	1	0	0	0	0	0.00 %
Watercress	1	1	0	0	0	0	0.00 %

Seed Kind Tested	Vegetable Seeds						
	Total	CL	SV	TV	MV	#VIOL	%VIOL
Watermelon	6	6	0	0	0	0	0.00 %
Wheat	2	0	2	0	0	2	100.00 %
Total	511	495	16	0	0	16	3.13 %

Seed Kind Tested	Agricultural Seeds						
	Total	CL	SV	TV	MV	#VIOL	%VIOL
Alfalfa	7	7	0	0	0	0	0.00 %
Barley	4	4	0	0	0	0	0.00 %
Birdsfoot Trefoil	2	2	0	0	0	0	0.00 %
Blue Fescue	1	1	0	0	0	0	0.00 %
Brome, Smooth	2	2	0	0	0	0	0.00 %
Buckwheat	1	1	0	0	0	0	0.00 %
Chewings Fescue	2	1	0	0	1	1	50.00 %
Chicory	1	1	0	0	0	0	0.00 %
Clover, Alsike	2	2	0	0	0	0	0.00 %
Clover, Crimson	5	5	0	0	0	0	0.00 %
Clover, Ladino White	2	2	0	0	0	0	0.00 %
Clover, Red	6	6	0	0	0	0	0.00 %
Clover, White	3	3	0	0	0	0	0.00 %
Corn, Hybrid Field	3	3	0	0	0	0	0.00 %
Cowpea	1	1	0	0	0	0	0.00 %
Crownvetch	3	3	0	0	0	0	0.00 %
Hard Fescue	18	17	1	0	0	1	5.56 %
Kentucky Bluegrass	48	42	1	0	5	6	12.50 %
Meadow Fescue	1	1	0	0	0	0	0.00 %
Oat	13	12	1	0	0	1	7.69 %
Orchardgrass	8	7	1	0	0	1	12.50 %
Pea, Field	1	1	0	0	0	0	0.00 %
Pea, Garden	1	1	0	0	0	0	0.00 %
Radish	1	0	1	0	0	1	100.00 %
Radish, Forage	1	1	0	0	0	0	0.00 %
Red Fescue	21	21	0	0	0	0	0.00 %
Redtop	1	0	0	0	1	1	100.00 %
Rye	5	5	0	0	0	0	0.00 %
Ryegrass, Annual	42	38	3	0	1	4	9.52 %
Ryegrass, Perennial	49	48	1	0	0	1	2.04 %
Sensitive Pea(NIR)	1	1	0	0	0	0	0.00 %
Sorghum-Sudangrass Hybrid	5	5	0	0	0	0	0.00 %
Soybean	7	7	0	0	0	0	0.00 %

Seed Kind Tested	Agricultural Seeds						
	Total	CL	SV	TV	MV	#VIOL	%VIOL
Spelt	1	1	0	0	0	0	0.00 %
Sunflower	1	1	0	0	0	0	0.00 %
Swamp Milkweed	1	1	0	0	0	0	0.00 %
Tall Fescue	30	29	1	0	0	1	3.33 %
Timothy	10	10	0	0	0	0	0.00 %
Wheat	6	6	0	0	0	0	0.00 %
Total	317	299	10	0	8	18	5.68 %

Seed Kind Tested	Flower Seeds						
	Total	CL	SV	TV	MV	#VIOL	%VIOL
Alyssum montanum	2	2	0	0	0	0	0.00 %
Alyssum, Sweet	2	2	0	0	0	0	0.00 %
Amaranthus	1	1	0	0	0	0	0.00 %
Asclepias (Butterfly Weed)	1	1	0	0	0	0	0.00 %
Asters	2	1	1	0	0	1	50.00 %
Baby's Breath	1	1	0	0	0	0	0.00 %
Bachelor's Button	2	2	0	0	0	0	0.00 %
Balsam	1	1	0	0	0	0	0.00 %
Bidens	1	0	1	0	0	1	100.00 %
Butterfly Flower	2	1	1	0	0	1	50.00 %
Calendula	1	1	0	0	0	0	0.00 %
California Poppy	4	4	0	0	0	0	0.00 %
Celosia	1	1	0	0	0	0	0.00 %
Celosia	3	3	0	0	0	0	0.00 %
China Aster	1	1	0	0	0	0	0.00 %
Cleome	1	1	0	0	0	0	0.00 %
Coleus	1	1	0	0	0	0	0.00 %
Columbine	2	1	1	0	0	1	50.00 %
Coneflower, Purple	1	1	0	0	0	0	0.00 %
Coreopsis, Lance-leaf	2	2	0	0	0	0	0.00 %
Corn, Ornamental	2	2	0	0	0	0	0.00 %
Cornflower	1	1	0	0	0	0	0.00 %
Cornflower	1	1	0	0	0	0	0.00 %
COSMIDIUM	1	1	0	0	0	0	0.00 %
Cosmos	10	10	0	0	0	0	0.00 %
Craspedia	1	1	0	0	0	0	0.00 %
Cypress Vine	1	1	0	0	0	0	0.00 %
Dahlia	1	1	0	0	0	0	0.00 %
Daisy, Gloriosa	1	0	1	0	0	1	100.00 %

Seed Kind Tested	Flower Seeds						
	Total	CL	SV	TV	MV	#VIOL	%VIOL
Daisy, Shasta	2	2	0	0	0	0	0.00 %
Delphinium (Pacific Giants)	2	1	1	0	0	1	50.00 %
Dianthus	1	1	0	0	0	0	0.00 %
Echinacea	1	0	1	0	0	1	100.00 %
Echium (Vipers Bugloss)	1	1	0	0	0	0	0.00 %
Forget-Me-Not	2	1	1	0	0	1	50.00 %
Foxglove	1	1	0	0	0	0	0.00 %
Gerbera (Transvaal Daisy)	1	0	1	0	0	1	100.00 %
Gomphrena	1	1	0	0	0	0	0.00 %
Gourd, Small-Seeded	1	1	0	0	0	0	0.00 %
Impatiens	1	1	0	0	0	0	0.00 %
Kale, Ornamental	2	2	0	0	0	0	0.00 %
Larkspur	1	1	0	0	0	0	0.00 %
Lavender	2	2	0	0	0	0	0.00 %
Lavender	1	1	0	0	0	0	0.00 %
Lunaria	1	1	0	0	0	0	0.00 %
Marigolds	15	12	3	0	0	3	20.00 %
Melampodium	1	1	0	0	0	0	0.00 %
Moonflower	1	1	0	0	0	0	0.00 %
Morning Glory	2	2	0	0	0	0	0.00 %
Nasturtium	12	11	1	0	0	1	8.33 %
Nicotiana	1	1	0	0	0	0	0.00 %
Painted Daisy	2	2	0	0	0	0	0.00 %
Petunias	1	1	0	0	0	0	0.00 %
Phlox	2	2	0	0	0	0	0.00 %
Poppy	1	1	0	0	0	0	0.00 %
Portulaca	2	2	0	0	0	0	0.00 %
Queen Anne's Lace	1	1	0	0	0	0	0.00 %
Rudbeckia	2	2	0	0	0	0	0.00 %
Salvia	1	1	0	0	0	0	0.00 %
Scabiosa (annual) /Mourning-bride	1	1	0	0	0	0	0.00 %
Snapdragon	1	1	0	0	0	0	0.00 %
Statice	1	1	0	0	0	0	0.00 %
Stock	2	2	0	0	0	0	0.00 %
Strawflower	1	0	1	0	0	1	100.00 %
Sunflower	12	12	0	0	0	0	0.00 %
Sweet Pea, annual	2	2	0	0	0	0	0.00 %
Tithonia	1	1	0	0	0	0	0.00 %
Verbascum	1	1	0	0	0	0	0.00 %
Viola	1	1	0	0	0	0	0.00 %

Seed Kind Tested	Flower Seeds						
	Total	CL	SV	TV	MV	#VIOL	%VIOL
Zinnia	24	23	1	0	0	1	4.17 %
Total	163	148	15	0	0	15	9.20 %

Seed Kind Tested	Feed						
	Total	CL	SV	TV	MV	#VIOL	%VIOL
Feed	2	2	0	0	0	0	0.00 %

Seed Kind Tested	Pasture Mix or Blend						
	Total	CL	SV	TV	MV	#VIOL	%VIOL
Pasture Mix or Blend	43	34	7	2	0	9	20.93 %

Seed Kind Tested	Flower Mix or Blend						
	Total	CL	SV	TV	MV	#VIOL	%VIOL
Flower Mix or Blend	8	8	0	0	0	0	0.00 %

Seed Kind Tested	Lawn Mix or Blend						
	Total	CL	SV	TV	MV	#VIOL	%VIOL
Lawn Mix or Blend	134	113	16	5	0	21	15.67 %

Table IV

Vegetable Seeds Wholesale Distributors			Vegetable Seeds			
			CL	SV	TV	MV
AMERICAN SEED	NORTON	MA	4	0	0	0
BARENBRUG USA	TANGENT	OR	1	0	0	0
BAYER CROPSCIENCE LP	CHESTERFIELD	MO	1	0	0	0
BOTANICAL INTERESTS INC	BROOMFIELD	CO	1	0	0	0
BURPEE GARDEN PRODUCTS	WARMINSTER	PA	353	16	0	0
FISHERS GREENHOUSE & GARDEN CENTER LLC	STRASBURG	PA	2	0	0	0
GROWMARK, INC	BLOOMINGTON	IL	1	0	0	0
HEIRLOOM SEED PROJECT	LANCASTER	PA	5	0	0	0
KING'S AGRI SEEDS, INC.	LANCASTER	PA	1	0	0	0
LAKE VALLEY SEED COMPANY, INC.	BOULDER	CO	7	0	0	0
P L ROHRER & BRO, INC.	LANCASTER	PA	49	0	0	0
PLANTATION PRODUCTS, LLC	NORTON	MA	14	0	0	0
SEEDS OF CHANGE	COMPTON	CA	1	0	0	0
SEEDWAY, LLC	HALL	NY	52	0	0	0
SINGING SPRING SEEDS	STRASBURG	PA	1	0	0	0
STONE ACRES PRODUCE SUPPLIES	PORT TREVORTON	PA	1	0	0	0
THE PAGE SEED COMPANY	GREENE	NY	1	0	0	0
		Total	495	16	0	0

Agricultural Seeds Wholesale Distributors			Agricultural Seeds			
			CL	SV	TV	MV
AGRIGENETICS DBA MYCOGEN SEEDS	INDIANAPOLIS	IN	1	0	0	0
AMERICAN SEED CO INC	SPRING GROVE	PA	2	0	0	0
AQUARIUS SUPPLY, INC	HAWTHORNE	NJ	1	0	0	0
BARENBRUG USA	TANGENT	OR	2	0	0	0
BERLIN SEEDS	MILLERSBURG	OH	0	1	0	0
BFG SUPPLY DBA WETSEL	CHESWICK	PA	82	4	0	3
BFG SUPPLY DBA WETSEL	HARRISONBURG	VA	1	0	0	0
BURPEE GARDEN PRODUCTS	WARMINSTER	PA	2	0	0	0
CHEMGRO SEEDS	EAST PETERSBURG	PA	2	0	0	0
DLF PICKSEED	HALSEY	OR	4	1	0	0
EDDIE MERCER AGRI SERVICES INC	FREDERICK	MD	3	0	0	0
ERNST CONSERVATION SEED	MEADVILLE	PA	3	0	0	0
F M BROWN'S SONS, INC.	SINKING SPRING	PA	2	0	0	0
FLORIDA HARDWARE LLC	JACKSONVILLE	FL	1	0	0	0
FM BROWN'S SONS, INC.	SINKING SPRING	PA	13	0	0	0
FRENCH'S HYBRIDS, INC.	WAKEMAN	OH	1	0	0	0
GREENLEAF TURF SOLUTIONS, INC.	WEST CHESTER	PA	1	0	0	0
GROWMARK FS, LLC	MILFORD	DE	3	0	0	0

Agricultural Seeds Wholesale Distributors			Agricultural Seeds			
			CL	SV	TV	MV
GROWMARK INC	BLOOMINGTON	IL	10	0	0	0
GROWMARK, INC	BLOOMINGTON	IL	12	0	0	0
HADLEY SEED FARM	HADLEY	PA	0	1	0	0
HISTANDS SUPPLY	WYCOMBE	PA	2	0	0	0
HORST HYBRID SEEDS	CHAMBERSBURG	PA	2	0	0	0
KING'S AGRI SEEDS, INC.	LANCASTER	PA	9	0	0	0
LA CROSSE SEED, LLC	LA CROSSE	WI	1	0	0	0
LEBANON VALLEY AG PRODUCTS	MYERSTOWN	PA	1	0	0	0
LOCAL SEED COMPANY, LLC.	MEMPHIS	TN	1	0	0	0
LOVELAND PRODUCTS, INC	GREELEY	CO	1	0	0	0
NORTHAMPTON COUNTY SEED, CO.	NAZARETH	PA	8	0	0	1
ONTARIO SPECIALTY GRAINS	TILLSONBURG	ON	1	0	0	0
P L ROHRER & BRO, INC.	LANCASTER	PA	3	0	0	0
PENNINGTON SEED	LEBANON	OR	30	1	0	4
PENNINGTON SEED	EASTON	PA	1	0	0	0
PLEASANT VALLEY GREENHOUSE	MONTGOMERY	PA	1	0	0	0
PREFERRED SEED COMPANY, INC.	BUFFALO	NY	3	0	0	0
SCHLESSMAN SEED CO.	MILAN	OH	1	0	0	0
SEEDWAY LLC	MIFFLINBURG	PA	5	0	0	0
SEEDWAY, LLC	HALL	NY	74	1	0	0
TRICAL FORAGE	BUTTE	MT	1	0	0	0
W I MILLER & SONS	FARMDALE	OH	3	0	0	0
W-L RESEARCH	NAMPA	ID	1	0	0	0
WENSINK FARM SEEDS INC.	MONROEVILLE	OH	1	0	0	0
WINFIELD SOLUTIONS, LLC	SAINT PAUL	MN	2	0	0	0
		Total	298	9	0	8

Flower Seeds Wholesale Distributors			Flower Seeds			
			CL	SV	TV	MV
BOTANICAL INTERESTS INC	BROOMFIELD	CO	1	0	0	0
BURPEE GARDEN PRODUCTS	WARMINSTER	PA	118	10	0	0
GARDEN INNOVATIONS LLC	CLEVELAND	GA	1	0	0	0
P L ROHRER & BRO, INC.	LANCASTER	PA	11	0	0	0
PLANTATION PRODUCTS, LLC	NORTON	MA	3	0	0	0
SEEDWAY, LLC	HALL	NY	13	5	0	0
THE PAGE SEED COMPANY	GREENE	NY	1	0	0	0
		Total	148	15	0	0

Feed Wholesale Distributors			Feed			
			CL	SV	TV	MV
ALLEGHENY FEED & MILLING LLC DBA GARMANTOWN MILLING & SUPPLY	NORTHERN CAMBRIA	PA	1	0	0	0
CURWENSVILLE FEED STORE, INC.	CURWENSVILLE	PA	1	0	0	0
		Total	2	0	0	0

Pasture Mix or Blend Wholesale Distributors			Pasture Mix or Blend			
			CL	SV	TV	MV
AGRIGENETICS DBA MYCOGEN SEEDS	INDIANAPOLIS	IN	0	0	1	0
BARENBRUG USA	TANGENT	OR	1	0	0	0
BFG SUPPLY DBA WETSEL	CHESWICK	PA	1	1	0	0
CHESAPEAKE VALLEY SEED, INC.	SAVAGE	MD	0	1	0	0
DLF PICKSEED	HALSEY	OR	0	1	0	0
GREEN PARK SEEDS	LOYSVILLE	PA	1	0	0	0
GROWMARK FS, LLC	MILFORD	DE	2	0	0	0
GROWMARK INC	BLOOMINGTON	IL	0	1	0	0
KING'S AGRI SEEDS, INC.	LANCASTER	PA	18	2	0	0
LA CROSSE SEED, LLC	LA CROSSE	WI	1	0	0	0
LEABROOK AG	LANCASTER	PA	0	1	0	0
MONSANTO COMPANY	ST LOUIS	MO	7	0	0	0
PREFERRED SEED COMPANY, INC.	BUFFALO	NY	0	0	1	0
SEEDWAY, LLC	HALL	NY	3	0	0	0
		Total	34	7	2	0

Flower Mix or Blend Wholesale Distributors			Flower Mix or Blend			
			CL	SV	TV	MV
LAKE VALLEY SEED COMPANY, INC.	BOULDER	CO	3	0	0	0
PLANTATION PRODUCTS, LLC	NORTON	MA	5	0	0	0
		Total	8	0	0	0

Vegetable Mix or Blend Wholesale Distributors			Vegetable Mix or Blend			
			CL	SV	TV	MV
BURPEE GARDEN PRODUCTS	WARMINSTER	PA	17	0	0	0
LOCAL SEED COMPANY, LLC.	MEMPHIS	TN	1	0	0	0
PLANTATION PRODUCTS, LLC	NORTON	MA	3	0	0	0
		Total	21	0	0	0

Conservation Mix or Blend Wholesale Distributors			Conservation Mix or Blend			
			CL	SV	TV	MV
BFG SUPPLY DBA WETSEL	HARRISONBURG	VA	0	1	0	0

Conservation Mix or Blend Wholesale Distributors			Conservation Mix or Blend			
			CL	SV	TV	MV
GREEN PARK SEEDS	LOYSVILLE	PA	1	0	0	0
JMD COMPANY	BETHEL PARK	PA	0	1	0	0
PENNINGTON SEED	EASTON	PA	0	0	0	1
SEEDWAY, LLC	HALL	NY	0	1	0	0
		Total	1	3	0	1

Lawn Mix or Blend Wholesale Distributors			Lawn Mix or Blend			
			CL	SV	TV	MV
AMERICAN SEED CO INC	SPRING GROVE	PA	3	1	0	0
AQUARIUS SUPPLY, INC	HAWTHORNE	NJ	1	1	0	0
BARENBRUG USA	TANGENT	OR	2	1	0	0
BFG SUPPLY DBA WETSEL	CHESWICK	PA	6	2	0	0
BFG SUPPLY DBA WETSEL	HARRISONBURG	VA	0	1	0	0
CDI LAWN EQUIPMENT	COLLEGEVILLE	PA	4	1	0	0
CENTRAL TURF & IRRIGATION	ELMSFORD	NY	4	1	0	0
CONSERVATION RESOURCES, LLC	PIPERSVILLE	PA	6	1	0	0
DLF PICKSEED	HALSEY	OR	1	0	1	0
FISHER & SON COMPANY, INC.	EXTON	PA	5	0	0	0
FM BROWN'S SONS, INC.	SINKING SPRING	PA	2	0	0	0
GREENDALE FARMS, LLC	KANE	PA	1	0	0	0
GREENLEAF TURF SOLUTIONS INC	NEWARK	DE	1	0	0	0
GREENLEAF TURF SOLUTIONS, INC.	WEST CHESTER	PA	1	0	0	0
GROWMARK FS LLC	YORK	PA	1	0	0	0
GROWMARK INC	BLOOMINGTON	IL	0	1	0	0
GROWMARK, INC	BLOOMINGTON	IL	2	0	0	0
HILLTOP DISTRIBUTORS CO. INC.	MEDIA	PA	2	0	0	0
HINES FEED STORE	HOLLIDAYSBURG	PA	2	0	0	0
HISTANDS SUPPLY	WYCOMBE	PA	4	0	0	0
J.R. SIMPLOT, DBA JACKLIN SEED	LIBERTY LAKE	WA	1	0	0	0
LEBANON SEABOARD CORP	LEBANON	PA	8	0	0	0
LEBANON SEABOARD CORP	LEBANON	PA	1	0	0	0
LESCO INC	CLEVELAND	OH	2	0	0	0
LESCO, INC.	CLEVELAND	OH	9	0	0	0
LIFETIME SEED, CO.	EAST PEORIA	IL	1	0	0	0
MID-ATLANTIC SEEDS, INC.	YORK	PA	2	0	0	0
MT. VIEW SEEDS LTD	SALEM	OR	0	1	0	0
NORTHAMPTON COUNTY SEED, CO.	NAZARETH	PA	4	0	0	0
PENNINGTON SEED	LEBANON	OR	1	0	0	0
PENNINGTON SEED	EASTON	PA	1	0	0	0
PENNINGTON SEED, INC.	GREENFIELD	MO	1	1	0	0
PLANTATION PRODUCTS, LLC	NORTON	MA	4	0	0	0

Lawn Mix or Blend Wholesale Distributors			Lawn Mix or Blend			
			CL	SV	TV	MV
REED & PERRINE	TENNENT	NJ	2	1	0	0
SEEDWAY, LLC	HALL	NY	14	1	0	0
SEETON TURF WAREHOUSE C/O NOBLE TURF	MOUNT LAUREL	NJ	5	0	0	0
SYNATEK, LP	SOUDERTON	PA	3	0	3	0
THE LAWN DEPOT INC	DOYLESTOWN	PA	1	0	0	0
THE SCOTTS COMPANY	MARYSVILLE	OH	2	1	1	0
THOMAS FEED MILL, LLC	HOLLSOPPLE	PA	0	1	0	0
TRACTOR SUPPLY COMPANY	BRENTWOOD	TN	1	0	0	0
WEST YORK AGWAY	YORK	PA	1	0	0	0
WINFIELD SOLUTIONS, LLC	SAINT PAUL	MN	1	0	0	0
		Total	113	16	5	0

SEED CERTIFICATION
TABLE V
SUMMARY OF FIELD INSPECTIONS FOR 2020
(JULY 1, 2020- JUNE 30, 2021)

CROP	VARIETY	FOUNDATION	REGISTERED	CERTIFIED	Q/A
Barley	KWS Faro	----	----	19.00	----
	VA15H-73(2R)	----	----	7.63	----
	Thoroughbred	----	59.80	----	----
Oats, Spring	Armor	----	32.00	107.00	----
	Corral	----	----	10.5	----
	Hayden	----	21.50	187.30	----
Potato	Red Lasoda 10	----	----	203.10	----
	LaChipper MT	----	----	2.11	----
	Sifra Elite 3	----	----	30.39	----
	New York Red Lasoda 10	----	----	275.75	----
	Colomba Elite 3	----	----	15.57	----
	Waneta	----	----	72.75	----
Triticale	Fredro	----	----	93.00	----
	Short Beard Thunder	341.22	163.50	220.80	----
Wheat, Winter	JM1520	----	----	----	21.00
	JM1474	----	----	----	25.00
TOTAL ACRES		341.22	267.80	1244.90	46.00

The above acreage was applied for certification. Seed from acreage that has passed field inspection must also meet mechanical standards in the Seed Lab to complete certification.

Number of Samples per fiscal Year

(July 1st - June 30th)

