



2018



**ANNUAL
DIRECTORY**

For
**SOYBEANS, OATS, SPRING BARLEY,
SWITCHGRASS AND NOXIOUS WEED
FREE FORAGE AND MULCH**

OHIO CERTIFIED SEED

ABOUT THIS DIRECTORY

The following lists of seed growers include only those whose fields were planted with eligible seed stocks and whose applications for seed certification were received by publication date.

In no case is the seed yet CERTIFIED, for it must be cleaned, tested in the laboratory, and labeled with the official certification tag before it can be offered for sale as CERTIFIED SEED.

Seed certification is the means of maintaining the pedigree of a specific variety of seed. Seed producers voluntarily use seed certification to assure their customers that extra care has been taken to provide them with correctly identified, genetically pure seed. The CERTIFIED SEED label identifies seed meeting certification requirements and thereby assures the farmer of obtaining true varietal performance of the variety named on the label.

Each seed firm sets their own standards for mechanical purity and germination. The Ohio Seed Law requires that each container of seed be labeled as to its origin, the germination percentage and date of test, the percentage by weight of pure seed, other crop seed, weed seed, and inert matter. The label is commonly referred to as an analysis tag. The CERTIFIED SEED tag and the ANALYSIS tag together can indicate the quality of the seed in the container.

Variety/Brand Descriptions

The descriptions are provided by the owner or originator of the variety or brand. Ohio Seed Improvement Association does not guarantee the accuracy of their information, nor does it warrant the performance of the varieties/brands described herein.

Inquiries for seed and requests for samples should be sent directly to the growers listed, and not to the Ohio Seed Improvement Association.

Address and telephone numbers of growers may be found in the front section. Readers may download additional directory copies from OSIA's web site.



OHIO SEED IMPROVEMENT ASSOCIATION

6150 Avery Road, Box 477, Dublin, Ohio 43017-0477

Telephone (614) 889-1136

FAX (614) 889-8979

Web Site: <http://www.ohseed.org/>

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Your purchase of Ohio Certified Seed promotes Ohio's agricultural industry and promotes continuing research into varieties adapted to Ohio's growing conditions.

2017 MEMBERSHIP

ACTIVE MEMBERS

AGREX INC., P.O. Box 149 Bowling Green, OH 43402, Wood Co.	Fax: (419)352-6710	(419)373-6311
Bluegrass Farms of Ohio, Inc, P.O. Box 57 Jeffersonville, OH 43128, Fayette Co.....	Fax: (740)426-6684	(740)426-6683
Brubaker Grain & Chemical, 2918 Quaker Trace Rd. West Alexandria, OH 45381, Montgomery Co.	Fax: (937)839-4576	(937)839-4636
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Clever Farms, Inc., 13676 Foundation Rd. Croton, OH 43013, Licking Co.....	Fax: (740)893-2285	(740)893-4191
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Ernst Conservation Seeds, 9006 Mercer Pike Meadville, PA 16335, Crawford Co.....	Fax: (814)337-6973	(814)336-2404
French's Hybrids, Inc., 6484 St. Rt. 303 Wakeman, OH 44889, Huron Co.....	Fax: (440)839-2563	(440)839-2934
Hadley Seed Farm, 21 Wolfe Rd. Hadley, PA 16130, Mercer Co.....	Fax: (724)253-3654	(724)253-3900
Hiser Seeds, 2311 Mile Tree Rd. Clarksburg, OH 43115, Ross Co.....	Fax: (740)993-2311	(740)993-2311
Houck Seed Company, 2268 U.S. Rt. 20 Monroeville, OH 44847, Huron Co.	Fax: (419)465-3165	(419)465-4525
Humphrey Farm, The, 3167 Wakeman-Townline Rd. Wakeman, OH 44889-9213, Huron Co.....	Fax: (419)663-0130	(419)663-0130
Jagger Farm Seeds, 7156 St. Rt. 19 Mt. Gilead, OH 43338, Morrow Co.....	(419)946-4957
Jewell Grain Co., Independence Rd., Box 30008 Jewell, OH 43530, Defiance Co.....	Fax: (419)497-2200	(419)497-2101
KG Agri Products, Inc. 20100 Johnson Road Marysville, OH 43040, Union Co.....	Fax: (937)644-8225	(937)644-8215
Lucky Farmers, Inc., Box 217 Woodville, OH 43469, Sandusky Co.	Fax: (419)849-2720	(419)849-2711
Martin, H. W. & Son Co., 10553 Swamp Rd. S.W. Hebron, OH 43025-9629, Licking Co.	Fax: (740)928-4008	(740)928-4000
Miller Seed Farms, 14564 St. Rte. 162 Attica, OH 44807, Seneca Co.	(419)426-1791
Miller, W. I. & Sons, 3389 Gardner Barclay Rd. Farmdale, OH 44417, Trumbull Co.	Fax: (330)876-8037	(330)876-6573
Ohigro, Inc., 6720 Gillette Rd., Box 196 Waldo, OH 43356, Marion Co.	Fax: (740)726-2574	(740)726-2429
Ohio Foundation Seeds, Inc., P.O. Box 6 Croton, OH 43013-0006, Licking Co.	Fax: (740)893-3183	(740)893-2501

Active Members (cont.)

Pond Seed Company, 12462 Blaine St., P.O. Box 156 Scott, OH 45886, Van Wert Co.	Fax: (419) 622-1314	(419)622-6141
Powell Seeds, LLC, 6300 Co. Rd. 65 Ada, OH 45810, Hardin Co.	Fax: (419)634-5327	(419)634-0763
R Farm, 11500 Darby Creek Road Orient, OH 43146, Pickaway Co.	Fax: (614)877-9110	(614)877-4792
Reiterman Seed Farms, 19380 Clarks Run Rd. Mt. Sterling, OH 43143, Pickaway Co.	Fax: (740)869-2422	(740)869-2422
Ridgeville Elevator, Inc., U.S. Route 6 West Ridgeville Corners, OH 43555, Henry Co.	Fax: (419)267-5101	(419)267-5101
Riker Farm Seed Co., 10492 E. Poe Rd. Bowling Green, OH 43402, Wood Co.	Fax: (419)354-4048	(419)352-0068
Rogers Grain, Inc., 5730 N. Greenville Falls-Clayton Road, P.O. Box 189 Covington, OH 45318, Miami Co.	Fax: (937)473-5239	(800)336-2025
Ruff's Seed Farms, 3870 Ruff Rd. Amanda, OH 43102, Fairfield Co.	Fax: (740)969-4340	(740)969-2600
Rupp Seeds, Inc., 5-17919-B Wauseon, OH 43567, Fulton Co.	Fax: (419)337-5491	(419)337-1841
Schlessman Seed Co., 11513 U.S. 250 N. Milan, OH 44846, Erie Co.	Fax: (419)499-2574	(419)499-2572
Schwartz Farms, 4193 Everett-Hull Rd. Cortland, OH 44410, Trumbull Co.	Fax: (330)637-2287	(330)637-3388
Steritz Seeds, 3250 Gladly Rd. Lynchburg, OH 45142, Clinton Co.	Fax: (937)364-6334	(937)364-2780
Steyer Seeds, 6154 N. Co. Rd. 33 Tiffin, OH 44883, Seneca Co.	Fax: (419)992-4595	(419)992-4570
Thompson Seed Farm, Inc., 4920 Defiance Trail Rd. Delphos, OH 45833, Allen Co.		(419)692-1946
Utz Seed Farms, Inc., 8738 County Rd. 35 New Washington, OH 44854, Crawford Co.	Fax: (419)492-2327	(419)706-7064
Walker, Leland & Sons Seeds, 3851 Rhoads Rd. Hillsboro, OH 45133, Highland Co.	Fax: (937)288-2305	(937)288-2545
Walnut Creek Seed, LLC, 6100 Basil Western Road Carroll, OH 43112, Fairfield Co.		330-475-6352
Walton, B. F. & Sons Seed Co., 6655 St. Rt. 67, Box 440 Upper Sandusky, OH 43351, Wyandot Co.	Fax: (419)927-5232	(419)927-5222
Wellman Seeds, Inc., 23778 Delphos-Jennings Rd. Delphos, OH 45833-8932, Van Wert Co.	Fax: (419)695-9020	(800)717-7333
Wensink Farm Seeds, Inc., 4704 Wood Rd., Rt. #1 Monroeville, OH 44847, Erie Co.	Fax: (419)359-1883	(419)359-1501
Wright's Certified Seeds, 6928 Rt. 167 E. Pierpont, OH 44082, Ashtabula Co.	Fax: 814-587-3716	(814)587-2145

ASSOCIATE MEMBERS

Caven Farm Seeds, 20823 Miami-Shelby E. Rd. Conover, OH 45317, Shelby Co.	(937)368-3953
Heritage Cooperative, 304 Bloomfield Ave. Urbana, OH 43078, Champaign Co.	Fax: (937)653-8082(800)424-2584
Keller Grain & Feed, Inc., 7977 Main Street - Horatio Greenville, OH 45331, Darke Co.	(937)448-2284
Mercer Landmark, Inc., 202 S. Main, P.O. Box 416 Rockford, OH 45882, Mercer Co.	Fax: (419)363-9205(419)363-3143
Merit Seeds, P.O. Box 205 Berlin, OH 44610, Holmes Co.	Fax: (330)893-2219(330)893-3196
MTM Farms, Inc., 29249 St. Rt. 385 Lakeview, OH 43331, Auglaize Co.	Fax: (419)568-3626(419)568-7821
Porter Hybrids, Inc., 1683 St. Rt. 134 N. Wilmington, OH 45177, Clinton Co.	Fax: (937)382-5025(937)382-2324
Settlemyre Seed Co., P.O. Box 158 Clarksville, OH 45113, Warren Co.	Fax: (937)289-2132(937)289-2131
Warner Seeds, 11350 W. Panther Creek Rd. Bradford, OH 45308, Miami Co.	Fax: (937)448-6184(937)448-6184

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Accu-Bean-Chek, 2240 N. Leutz Rd. Oak Harbor, OH 43449, Ottawa Co.	Fax: (419)898-1210(419)898-1210
Aloterra Energy LLC, 2002 Timberloch, Suite 420 The Woodlands, Texas 77380	Fax: (281)751-8267(713)412-5311
Ayers Farms, 820 St. 39 Perrysville, OH 43358, Ashland Co.	Fax: (419)938-7316(419)651-7747
Baker's Acres, 6609 Ashland Road, Wooster, OH 44691, Wayne Co.	330)621-1609
Brill Farms, 22200 Lingrel Road West Mansfield, OH 43358, Union Co.	Fax: (937)982-3346(567)674-0132
Bumb Farms, 11094 West Co. Rd. 6, Alvada, OH 44802, Seneca Co.	(419)934-9336
Cline Family Farms, 2551 Keck Road Albany, OH 45710, Athens Co.	740-591-6954
Daugherty Farms, 30927 County Rd. 12 Fresno, OH 43824, Coshocton Co.	Fax: (740)622-6165(740)622-5101
Emens Enterprises, 20230 Co. Rd. S. Alvordton, OH 43501, Williams Co.	(419)265-0032
Enterprise Hill Farm, Inc. , 5264 Huber Road Norwalk, OH 44857-9614, Huron Co.	Fax: (419)663-2147(419)668-0242
Enviroscape ECM, LTD, 300 S. Chestnut Street, Ste. C. Deshler, OH 43516, Paulding Co.	Fax: (419)594-3213(888) 550-1999
Fowler Seed Marketing, 2952 State Route 45 N Rock Creek, OH 44084.	(888) 249-7333

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Goodman Hay & Straw,14114 County Road 193 Vanlue, OH 45890, Hancock Co.....	(419)722-9334
Ohio Crafted Malt House/Origin Malts, 8000 Walton Parkway, Suite 230 New Albany, Ohio 43054, Franklin Co.	(614)800-5340
Pugh Family Farms, LLC,2626 Swallen Avenue Louisville, OH 44641, Stark Co.	(330)353-3536
QM Straw, 341 King Road Martinsville, OH 45146, Clinton Co.....	Fax: (937)685-2881(937)685-2132
Remington Seeds, 5585 St. Rt. 571 East Greenville, OH 45331, Darke Co.	Fax: (937)548-0922(937)548-4193
The Scotts Company, 14111 Scottslawn Rd. Marysville, Ohio 43041, Union Co.....	Fax:(937)644-7153937-578-5650
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Shoup Brothers Farm LLC, 1074 Schrock Road Orrville, OH 44667, Wayne Co.....	(330)465-4745
Syngenta, 806 2nd St. Berthoud, CO 80513, Larimer Co.....	Fax: (970)532-2035(970)532-3721
J.P. Takacs Farm, LLC, 49233 St. Rt. 18 Wellington, OH 44090, Lorain Co.	(440)647-3312
J. Ullom Forage Farms LLC, 3321 Shreve Eastern Road Shreve, OH 44676, Wayne Co.	(330)464-6899
Why-Not Acres, LLC, 2657 Election House Rd. N.W. Lancaster, OH 43130, Fairfield CO.	Fax: (740)654-2925(740)974-8112
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Carrollton-Farmers Exchange Co, 204 Second ST. N.W.	
Carrollton, OH 44615, Carroll Co.	Fax: (330)627-5275(330)627-2144
Design Graphics Group, Inc., P.O. Box 675	
Bradner, OH 43406, Wood Co.	Fax: (419)354-8829(419)354-8717
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Limagrain Cereal Seeds, 2040 SE Frontage Rd.	
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Fishers, IN 46038, Hamilton Co.	Fax: (317)578-0602(317)578-0601
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Maumee, OH 43537, Lucas Co.	Fax: (419)891-6686(419)891-2905
The Don Marshall Co., Inc., 235 Maple St., P.O. Box 124	
Plain City, OH 43064, Madison Co.	Fax: (614)873-8338(614)873-8520
The Seed Center, 7790 U.S. Route 36	
Ostrander, OH 43061, Delaware Co.	Fax: (740)666-1539(800)660-8789
Turfgrass Enterprises, 7472 Akron-Canfld. Rd.,Box 185	
Canfield, OH 44406, Mahoning Co.	Fax: (330)533-0618(330)533-3354
WinField Solutions, 2140 Meridian Springs Lane	
Greenfield, IN 46140, Hancock Co.	(317)372-9777

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Lafever, Hal, 5099 Grapevine Blvd West Lafayette, IN 47906	(765)464-1314
Miller, Robert L., 252 Spring St. St. Henry, OH 45883, Mercer Co.....	(419)678-4750
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PLANT VARIETY PROTECTION

The developer of a new distinct variety may obtain protection for that variety if they choose to do so, provided the variety meets the requirements of the Plant Variety Protection Act of 1970. This Act permits the owner or developer of a variety to prohibit others from selling, sexually multiplying, using for propagation for seed, or using to produce a hybrid, seed of his variety.

Two options, for plant variety protection, are available to the developer of the variety. Under the first option, the developer of the variety or his agent may sell either certified or uncertified seed of the variety. If the developer of the variety has reason to believe that anyone is infringing on his rights, they may resort to civil court action.

The other option ("certification option") for protecting a variety utilizes the provisions of Title V of the Federal Seed Act. A variety protected in this manner may be sold by variety name only as a class of certified seed.

It is the responsibility of the seller to inform the buyer if the variety is protected. Each container of seed sold should be labeled with a tag indicating the type of protection which the owner has. Under the first option, the label will state: "Unauthorized Propagation Prohibited - U.S. Protected Variety."

If the owner of the variety has chosen the other option for variety protection, the label will state, "Unauthorized Propagation Prohibited - To be Sold By Variety Name Only as a Class of Certified Seed - U.S. Protected Variety."

The Plant Variety Protection Act was amended October 6, 1994, and became effective April 4, 1995. Substantive and procedural changes to the act and the regulations have been enacted and are summarized here.

- The length of protection has been increased to 20 years for most crops, and 25 years for trees and vines.
- Rights of the owner have been extended to essentially derived varieties, harvested materials, and varieties which require repeated use of the protected variety.
- Under the farmers exemption, seed may be saved for use on a farm, but no sale to others for reproductive purposes is allowed without permission of the owner.
- Priority is based on the "first to file" rather than the "first to develop".
- Eligibility is extended to first generation hybrids and tuber propagated crops (e.g. potatoes).
- The minimum time allowed to answer questions and provide information is decreased from six months to 30 days.
- The variety may be unique worldwide, and the name must be used when marketing the variety except in the case of lawn, turf, or forage grass seed, alfalfa, or clover seed, which may be sold without stating the variety name.
- Applications filed before April 4, 1995, may be refiled for protection under the amended Act. An additional fee of \$300 is required. The filing date for refiled applications will be the filing date of the original application.
- Labeling recommendations have been changed. If the variety is protected under the 1994 version of the Act, the label should state "PVPA 1994" or "PVPA 1994--Unauthorized Sales for Reproductive Purposes Prohibited."
- Infringement of rights has been expanded to include all methods of transferring title or possession of the variety and all steps in marketing the variety.

- Fees and charges are increased under the amended regulations. The application and examination fee is \$4,382; and the certificate fee is \$320. A full listing of the fees is shown in the act and regulations and rules of practice.

The PVP Act was amended in the 1996 Farm Bill to allow owners of varieties of potatoes that have been marketed for more than four years in another country to apply for and receive protection in the United States during a one-year period after enactment. Protection would be limited to a total of 20 years, including the time protected in another country.

A complete listing of all protected varieties is available in the “Official Journal of the Plant Variety Protection Office” which may be obtained free upon request from:

Plant Variety Protection Office, AMS, SD
10301 Baltimore Blvd.
Room 500 - NAL Building
Beltsville, Maryland 20705

PROTECTED VARIETIES CERTIFIED IN OHIO

The following list contains varieties being certified in Ohio for the current crop year for which the owner has applied for or received a certificate of Plant Variety Protection. In either case, no one may offer for sale, sexually multiply, or use to produce a hybrid, seed of these varieties without the permission of the owner or applicant. Seed of varieties for which the breeder has invoked the Title V option of the Federal Seed Act may be sold by variety name only as a class of Certified Seed. This list is not a complete list of all protected varieties and is subject to revision on a regular basis.

OATS:

Armor*
Corral*
Saber*
Vista*



SOYBEANS:

Clermont*

**Seed of these varieties to be sold by variety name only as a class of Certified Seed.*

Violators of the Federal Seed Act or regulations are subject to a fine up to \$1,000 for the first offense and up to \$2,000 for each subsequent offense.

ROYALTY SCHEDULES ^{1,2}

1. VARIETIES GROWN & CERTIFIED IN OHIO

Soybeans:

variety	<i>release</i>		<i>classes</i>		royalty ¹
	institution		assessed		
Apex	USDA-ARS/OARDC		R & C		0.80/50 lb.
Clermont	Ohio State University		R & C		3.00/50 lb.
Dennison	Ohio State University		R & C		0.60/50 lb.
Highpro1	USDA/Ohio State University		R & C		0.75/50 lb.
Lorain	Ohio State University		R & C		2.00/50 lb.
Streeter	Ohio State University		R & C		0.60/50 lb.
Summit	Ohio State University		R & C		0.75/50 lb.
Wyandot 14	Ohio State University		R & C		1.00/50 lb.

Oats:

variety	<i>release</i>		<i>classes</i>		royalty ¹
	institution		assessed		
Burton	Ohio State University		R & C		0.25/bu.
Corral	Univ. of Illinois and Cornell Univ.		C		0.30/bu.
Saber	University of Illinois		C		0.30/bu.
Vista	University of Wisconsin		C		0.30/bu.

¹ Royalties on all Ohio State University or USDA-ARS/OARDC varieties are also applicable if grown out-of-state.

²Assessment based upon bushels sold.

2. OUT-OF-STATE ROYALTIES FOR OSU DEVELOPED VARIETIES

Oats:

variety	<i>release</i>		<i>classes</i>		royalty
	institution		assessed		
Armor	Ohio State University		R & C		0.25/bu.

WHAT IS CERTIFIED SEED?

Certified Seed grown in Ohio may be defined as seed certified as to origin and purity of variety. This is accomplished by a system of limited generations (Breeder, Foundation, Registered and Certified) and rigid inspections. The seed growers start out with high-yielding, disease-free, known origin varieties which are given certification identification. The crops produced from these seeds are inspected by trained inspectors. The first step entails field inspection of the growing seed crop to determine the population of plants, varietal purity, freedom from diseases, objectionable weeds and other crop mixture. Crops which pass the field inspection are eligible for the laboratory or final inspection. This inspection is made of the cleaned seed after it has been made ready for sale, and consists of examining the general condition of the seed to be certified, and taking a representative sample of the seed and forwarding it to the Ohio Seed Improvement Association for a purity analysis and germination test. If this inspection shows that the seed meets the minimum requirements for certification, the grower is furnished certification tags. The producer is required to place one of these tags on every container of seed sold as certified. In so doing, the producer indicates that the seed sold under the tag will conform to the minimum requirements of certified seed.

WHY IT PAYS TO USE CERTIFIED SEED

Certification is the user's assurance of getting top quality seed. Research and field tests have proven certified seed to be superior. Certification assures the user that the seed which he purchases was grown from planting stocks of known pedigrees; that the fields have been closely inspected, and met the high standards for varietal purity; that the seed has been properly handled during harvesting and cleaning; and that the seed in the bag also meets the high standards set for varietal purity. Clean seed and strong seedlings mean quicker growth and less trouble with weeds.

Certified Seed is more uniform in growth and maturity and more dependable, which reduces the chance of crop failure. These factors combine to give higher yields of better quality crops. These advantages provided by the use of Certified Seed will help cut the cost of production and thus increase net profits.

REMINDER FROM THE OSU OFFICE FOR TECHNOLOGY COMMERCIALIZATION AND KNOWLEDGE TRANSFERS

The Office for Technology Commercialization and Knowledge Transfers at the Ohio State University (OSU) reminds all seed producers that they are not to export seed of OSU Plant Variety Protection Act varieties unless their foreign buyer has a royalty license agreement from the university. If you are unsure if a particular buyer has a license, please contact the university at 614-292-7945 or Jason Dahlman PhD at Dahlman.3@osu.edu.



Soybeans and Wheat that Yield Results

Contact an AGI Member to get the best traits on the market into your field...where it counts.

AGI Dealer	Phone #	County
Clever Farms, Inc.	740-893-4191	Licking
Daugherty Farms	740-622-5101	Coshocton
Houck Seed Co.	419-465-4525	Huron
H.W. Martin & Son Co.	740-928-4000	Licking
W.I. Miller & Sons	330-876-6573	Trumbull
Ohigro, Inc.	740-726-2429	Marion
Pond Seed Co.	419-622-6141	Van Wert
R-Farm	614-877-4792	Pickaway
Reiterman Seed Farms	740-869-2422	Pickaway
Riker Farm Seed Co.	419-352-0068	Wood
Schwartz Farms	330-637-3388	Trumbull
Seed Genetics – DIRECT, INC.	740-505-0073	Fayette
Utz Seed Farms, Inc.	419-492-2785	Crawford
Leland Walker & Sons Seeds	937-288-2545	Highland
B.F. Walton & Sons Seed Co.	419-927-5222	Wyandot

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2017 OHIO SOYBEAN PERFORMANCE DATA¹ (bu/ac)

VARIETY	NORTH REGION			CENTRAL REGION				SOUTH REGION			
	N2 SANDUSKY CO.	16-17 MEAN	C1 MERCER CO.	C2 MARION CO.	17 MEAN	16-17 MEAN	SI PREBLE CO.	S2 CLINTON CO.	17 MEAN	16-17 MEAN	
CLERMONT	-	-	-	-	-	-	54.1	59.8	57.0	57.2	
HIGHPRO1	49.5	53.1	52.2	51.1	51.7	58.2	55.7	54.5	55.1	59.3	
LORAIN	46.3	53.2	54.4	50.4	52.4	56.4	57.8	50.9	54.4	-	
STREETER	42.4	49.5	50.1	51.5	50.8	60.0	-	-	-	-	
SUMMIT	50.4	51.2	56.7*	54.8	55.8	58.1	-	-	-	-	
WYANDOT 14	43.5	-	51.9	51.4	51.7	-	-	-	-	-	

¹All data from OSU Department of Horticulture and Crop Science

A single asterisk () is used to denote varieties with yield not statistically different than the highest yielding variety

OTHER VARIETAL CHARACTERISTICS

VARIETY	RM ²	PLANT TYPE	LODGING	SEED SIZE	PHYTOPHTHORA	SCLEROTINIA
Apex	3.7	Semidwarf	N/A	Medium	Rps ^k	-
Clermont	3.9	Thinline	Mod. Res.	Medium	Rps ^{1,7} /Rps ^{3a}	-
Dennison	3.5	Thinline	Mod. Res.	Small	Rps ^{1,7} /Rps ^{3a}	Susceptible
HIGHPRO1	3.7	-	Resistant	Large	Tolerant	-
IA 3051TRA12	3.1	-	-	Large	None	-
Lorain	3.4	Intermediate	Resistant	Small	Rps ^c	-
Resnik	3.4	Intermediate	Resistant	Very Small	Rps ^{1,7}	Fair
Sreeter	3.0	Intermediate	Very Resistant	Medium	Rps ^{1,7} /Rps ^{3a}	N/A
Summit	2.6	Intermediate	Resistant	Medium	Multiple Rps Genes	N/A
Wyandot 14	2.9	Intermediate	Resistant	Large	Rps ^{3a}	Susceptible

Relative Maturity ²	Group	Days to Maturity
2.0-2.4	Early II	120 - 124
2.5-2.9	Late II	125 - 129
3.0-3.4	Early III	130 - 134
3.5-3.9	Late III	135 - 139
4.0-4.4	Early IV	140 - 144



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CERTIFICATION REGULATIONS

Planting Requirements:

Foundation or Registered seedstock

Eligible land

Field Inspection

Variety purity, minimum 99.5%

Laboratory Analysis:

Other varieties or

off-types, maximum 0.5%

DESCRIPTIONS OF VARIETIES

APEX

APEX is a **semidwarf** soybean variety bred specifically for its adaptation to high yield environments. This variety was jointly developed by the USDA-ARS and the Ohio Agricultural Research and Development Center of the Ohio State University and released in 2002 as a public variety. In the maximum yield trials at Wooster, Ohio, Apex has averaged 90 bu./a over 3 years, compared to 82 bu./a for Charleston. Apex is a mid to late group III (3.7) variety, has purple flowers, tawny pubescence, brown pods and shiny yellow seed with black hilum. It carries the Rps1k gene for resistance to Phytophthora root rot. Like all semidwarf varieties, Apex should be solid-seeded in 7- to 10-inch row spacing at a seeding rate of 300,000 seeds/a for maximum yield. Apex is recommended for uniformly high yielding fields and on the more productive soils in site-specific-farming. A royalty of .80/50 lb. is due the originator on R & C class sales. An allowable variant of up to 0.7% other flower color has been assigned to this variety.

CLERMONT

U.S. Protected Variety

PVPA 1994

Unauthorized Propagation Prohibited - (Unauthorized Seed Multiplication Prohibited)

Title V – May be sold only as a class of Certified Seed

CLERMONT (formerly HS7-4314; tested as Highland) is a 2012 soybean release of The Ohio State University (OSU). Clermont is a conventional soybean variety being released due to its excellent yields and race-specific resistance to Phytophthora sojae. Field evaluations for Frogeye leaf spot also indicated a lack of leaf lesions. Clermont's relative maturity is 3.9 and it matures approximately four days later than "Dennison". The average height of this variety is 96 cm. The variety has white flowers, light tawny pubescence, brown pods, dull yellow seed coat, black hilum color, and indeterminate growth habit. Clermont will be released as a non-Exclusive Certified public, three generation (F, R, C) variety with a six cent per pound royalty required for Registered and Certified class seed sold. Seed stock will be maintained by Ohio Foundation Seeds, Inc.

SOYBEANS

DENNISON

DENNISON (formerly HSI-3717 and OHS 301) is a 2006 release of The Ohio State University (OSU). Dennison is a unique conventional variety because of its combination of resistance genes (Rps1k and Rps3a) and excellent partial resistance to Phytophthora root rot in a genetic background with high yield. This new variety resembles Kottman in appearance and is a replacement for Kottman and Resnik. This soybean variety is a 3.5 maturity, with black hilum, tan pods, light tawny pubescence and white flowers, with up to .3% purple flowers allowed. Recognized classes are F, R and C.

IA3051RA12

IA 3051RA12 has a maturity rating of 3.1 and was released by Iowa State University Research Foundation. It was developed by backcrossing the Rag1 and Rag2 alleles into IA3051. IA3051RA12 has white flowers, brown pods, gray pubescence and seeds with yellow hila and yellow seed coat color. There are variants for up to 1% purple flower color and up to 1% tawny pubescence. Recognized classes are F, R and C.

LORAIN

LORAIN (formerly HS7W-82) is a 2014 soybean release of the Ohio State University (OSU). Lorain is a conventional soybean variety being released due to its excellent yields and race-specific resistance Rps1c to Phytophthora sojae. Based on a single green house assay, Lorain is moderately susceptible to Sudden Death Syndrome (SDS). Root rot scores indicated that Lorain has high levels of partial resistance which are similar to Dennison. Lorain is a 3.4 maturity variety with white flowers, light tawny pubescence, dull yellow seed coat, black hilum and indeterminate growth habit.

Lorain will be released as a non-exclusive Certified public, three generation (F,R,C) variety with a four cent per pound royalty required for Registered and Certified class seed sold. Seed stock will be maintained by Ohio Foundations Seeds, Inc.

RESNIK

RESNIK is a high yielding variety from the soybean breeding program at the Ohio Agricultural Research and Development Center released in 1982. The variety carries the Rps1k gene which confers resistance to races 1-10, 13-15, 17, 18, 21 and 22 of Phytophthora root rot. Resnik has shown superior yield potential in pre-release testing in Ohio and regional trials. Resnik is a mid Group III in maturity, about 4 to 6 days earlier than Williams 82. Resnik exhibits purple flowers, brown pubescence and tan pods at maturity and has yellow seeds with a dull luster and black hila. The name Resnik was chosen in honor of Challenger astronaut, Judy Resnik. Recognized classes are F, R and C.

STREETER

STREETER is an early Group 3.0 maturing conventional soybean variety released by The Ohio State University in 2008. It is approximately one day later in maturity than Wyandot, but yields higher than Wyandot and is two inches taller. Streeter has excellent lodging resistance. The variety has white flowers, light tawny pubescence, tan pods and black hilum color. This line carries Rps1c and Rps3a for Phytophthora resistance. Recognized classes are F, R and C with royalty fee due the originator.

SOYBEANS

SUMMIT

SUMMIT is a high yielding conventional oil and meal type soybean variety released by The Ohio State University in 2011. The variety has a 2.6 relative maturity, purple flowers, light tawny pubescence, tan pods and a black hilum. Based on preliminary data "Summit" has multiple Rps genes and a high level of partial resistance to *P. sojae*. Seed stock will be maintained by Ohio Foundation Seeds. Summit is a three generation (F,R & C) variety with a royalty fee due to the originator.

WYANDOT 14

WYANDOT 14 is a 2012 release of the Ohio State University (OSU). This variety has a very good yield record and serves as a replacement for Wyandot. Resistance to Phytophthora is realized with the presence of the Rps3a gene. This 2.9 maturity variety has white flowers, gray pubescence, brown pods and yellow (clear) hila. Wyandot 14 is specially adapted to the northern half of Ohio soybean growing regions, where soybean aphid and powdery mildew are likely pests. This new line has antibiosis resistance to the soybean aphid biotypes 1 and 2 and powdery mildew. In six different yield environments over a three year period Wyandot 14 had higher or equal seed yields compared to Wyandot. Seed size, seed protein and seed oil content is similar to Wyandot. This variety has indeterminate growth habit and equal or superior agronomic attributes than Wyandot. Wyandot 14 will be released as a non-Exclusive Certified Public, three generation (F, R, C) variety with a two cent per pound royalty required for Registered and Certified class seed sold. Seed stock will be maintained by Ohio Foundation Seeds, Inc. Wyandot 14 has white flowers, grey pubescence, brown pods, and yellow hilum color with a .50% variant for other hila colors.

SOURCES FOR 2018 PLANTING

FOUNDATION SEED

	<u>ACRES</u>
Ohio Foundation Seeds, Inc., Licking CO.	
LORAIN	10.3
OSU HM-12-P039	1.9
OSU M11-G021	1.5
SUMMIT	1.9
WYANDOT 14	1.9

ACRES
Reg. Cert.

APEX

DKG Seed Farms, Wayne CO.		16.0
Total:		16.0

CLERMONT

*U.S. Protected Variety
PVP 1994*

*Unauthorized Propagation Prohibited - (Unauthorized Seed Multiplication Prohibited)
Title V - To be sold by variety name only as a class of Certified Seed*

Brubaker Grain & Chemical, Montgomery CO.		11.0	55.0
Total:		11.0	55.0

DENNISON

DKG Seed Farms, Wayne CO.		40.0	
Total:		40.0	

IA3051RA12

Rogers Grain, Inc., Miami CO.			
Schwartz Farms, Trumbull CO.			
Total:			

SOYBEANS

ACRES
Reg. Cert.

LORAIN

Brubaker Grain & Chemical, Montgomery CO.....	9.0	
DKG Seed Farms, Wayne CO.....	15.0	5.5
Martin, H. W. & Son Co., Licking CO.	20.0	
Miller Seed Farms, Seneca CO.....		50.0
Total:	44.0	55.5

RESNIK

DKG Seed Farms, Wayne CO.....		64.0
Total:		64.0

STREETER

DKG Seed Farms, Wayne CO.....	11.0	92.0
Miller Seed Farms, Seneca CO.		45.0
Wensink Farm Seeds, Inc., Erie CO.....	6.0	56.0
Total:	17.0	193.0

SUMMIT

DKG Seed Farms, Wayne CO.....	23.0	
Miller Seed Farms, Seneca CO.....		50.0
Wensink Farm Seeds, Inc., Erie CO.....	4.0	25.0
Total:	27.0	75.0

WYANDOT 14

DKG Seed Farms, Wayne CO.....	12.0	64.7
Miller Seed Farms, Seneca CO.....		35.0
Wensink Farm Seeds, Inc., Erie CO.....	4.0	24.0
Total	16.0	123.7

CERTIFICATION REGULATIONS

Planting Requirements:

- Foundation or Registered seedstock
- Eligible land

Field Inspection

Variety purity, minimum 98.0%

Laboratory Analysis:

Other varieties or off-types, maximum 2.0%

DESCRIPTION OF VARIETY

LIBERTY

LIBERTY (Reg. No. CV-271, PI 669371) switchgrass (*Panicum virgatum* L.) is a lowland-type cultivar that is adapted to USDA plant hardiness zones (HZ), 4, 5, and 6 in the U.S. Great Plains and Midwest, east of 100° W. longitude. It was developed for use as a perennial biomass energy crop and is the first high-yielding biomass-type lowland cultivar adapted to this region. It can produce greater biomass yields than upland- or forage type switchgrass cultivars developed previously for use in the region, and it has equivalent winter survival. Liberty has significantly greater winter survival in its adaptation region than previously released lowland switchgrass cultivars such as "Kanlow" and "Alamo" that frequently have substantial winter damage and stand loss north of 40° N latitude in the U.S. Great Plains and Midwest.

SOURCES FOR 2018 PLANTING

ACRES
Reg. Cert.

LIBERTY

Ernst Conservation Seeds, Crawford CO.....44.9

SPRING BARLEY

CERTIFICATION REGULATIONS

Planting Requirements:

Foundation or Registered seedstock
Eligible land

Field Inspection

Variety purity, minimum 99.5%

Laboratory Analysis:

Other varieties or
off-types, maximum 0.5%

DESCRIPTION OF VARIETY

BOWERS

Limited to Two Generations - Foundation & Certified

Bowers is an awned (bearded) six-rowed spring feed barley developed by the Michigan Agricultural Experiment Station. It was released for production in 1979. Bowers had medium-early maturity and medium height, similar to Beacon. Its lodging resistance is also comparable to Beacon. Plants have large heads and above average number of tillers. Seed size is average with good test weight. Bowers is resistant to stem rust and has better resistance to mildew, spot blotch and net blotch than Larker.

SOURCES FOR 2018 PLANTING

ACRES

Reg. Cert.

BOWERS

Limited to Two Generations - Foundation & Certified

DKG Seed Farms, Wayne CO.....39.5

Total:39.5

CERTIFICATION REGULATIONS

Planting Requirements:

- Foundation or Registered seedstock
- Eligible land

Field Inspection

- Variety purity, minimum 99.9%

Laboratory Analysis:

- Other varieties or off-types, maximum 0.5%

DESCRIPTIONS OF VARIETIES

ARMOR

U.S. Protected Variety

PVPA 1994

Unauthorized Propagation Prohibited - (Unauthorized Seed Multiplication Prohibited)

Title V - To be sold by variety name only as a class of Certified Seed

The Ohio State University, Ohio Agricultural Research and Development Center announces the release of ARMOR, a productive spring oat cultivar for Ohio and surrounding states. Armor, is a high-yielding line, averaging 4 bu/A higher than Ogle in Ohio tests. The variety is similar to Ogle in appearance with excellent resistance to lodging. It is mid-season in maturity, being a day later than Ogle and 2 days earlier than Porter. Armor stands slightly taller than average when compared to Noble, Ogle and Porter. Armor has moderate resistance to the barley yellow dwarf virus.

BURTON

The Ohio State University, Ohio Agricultural Research and Development Center announces the release of BURTON spring oats. Burton is a productive oat cultivar bred for Ohio and surrounding states. It is a high yielding line, similar to Armor, averaging over 16% higher in yield than Ogle in Ohio tests from 1992 through 1994. Burton is similar to Armor in appearance and in resistance to lodging but is somewhat taller. It is midseason in maturity being equal to Armor and a day later than Ogle. Burton has excellent test weight averaging over 35 lbs./bu. in Ohio tests. Burton is less tolerant to the Barley Yellow Dwarf Virus than either Armor or Ogle but is similar to Noble. Burton does not possess resistance to prevalent races of crown rust and should not be grown in areas in which this disease is a problem. A royalty is due the originator for Registered and Certified class seed sales.

CORRAL

U.S. Protected Variety

PVPA 1994

Title V - Limited to Two Generations - Foundation & Certified

CORRAL (IL00-7267) - Corral is a spring oat variety that was developed by the University of Illinois Agricultural Experiment Station and is a joint release with the New York State Agricultural Experiment station at Cornell University. Corral has been evaluated in Illinois, Minnesota, and New York. It is intended for production in New York, Pennsylvania and similar northeastern environments. Corral is tolerant to barley yellow dwarf virus. It is susceptible to moderately susceptible to corn rust, depending on prevalent local races, and is susceptible to loose smut. Corral has light yellow kernels with seed characteristics most similar to Ogle. Up to 0.5% tall variants and are allowed and up to 0.5% fluorescent seeds are allowed. Corral will be released as a public variety and seed classes to be produced are limited to Foundation and Certified. The New York Seed Improvement Project is responsible for producing breeder and Foundation seed stock. A royalty is charged for the sale of Certified class seed.

OATS

KONA

KONA - Kona is a new traditional forage and spring type oat that produces bright green foliage. Kona has demonstrated Barley Yellow Dwarf virus resistance in field tests and has shown tolerance to crown rust. Kona oats are similar to Jerry Oats. This variety is exclusively licensed to a U. S. firm and is a U.S. Protected Variety (PVPA 1994). Certificate No. 201100374.

NOBLE

NOBLE oats were developed at Purdue in cooperation with USDA/ARS and released to Certified seed growers in 1974. Noble has a complicated parentage but essentially is an improved Tippecanoe type. Noble is a stiff-strawed mid-season variety that has brownish-yellow kernels. It is moderately resistant to loose smut. It is susceptible to the prevalent common races of rusts.

OGLE

OGLE resulted from a cross of Brave 2 x Tyler x Egdolon 23 made at Illinois Agricultural Experiment Station. The variety was released jointly by the Illinois Agricultural Experiment Station and U.S. Department of Agricultural with Nebraska, Ohio, Pennsylvania and New York stations as cooperators. Ogle is a very high yielding, widely adapted, medium maturing variety with excellent resistance to barley yellow dwarf virus. Compared to the variety Lang, it is higher yielding, several days later, several inches taller, equal in test weight, lodging resistance, and grain quality and very much superior in barley yellow dwarf resistance. Rust and smut reactions are similar to Lang. The kernels of Ogle appear similar to Lang. They are yellow, non-fluorescent, slender and finely tapered at the tips. The primary kernel of Ogle often contains a prominent 1- to 3-cm long awn. Although the breeder seed of Ogle appeared to be uniformly non-fluorescent, the variety was not selected for uniformity of this character during its development.

SABER

*U.S. Protected Variety
PVPA 1994*

Title V - Limited to two generations - Foundation and Certified

SABER - IL02-8658 - Saber is an early maturing high yielding oat variety developed by the University of Illinois Agricultural Experiment Station. Over the last two years Saber was placed in the top LSD group at 15 of 16 locations and was the highest yielding line numerically in 10 of 18 locations. The pedigree of Saber is Tack/Spurs. Saber is about two days earlier than Jay and has the same heading date as Don. It is about 4cm shorter than Chaps. The test weight of Saber is very good and has been about 1.4 lbs./bu. higher than Jay and about 2.2 lbs./bu. higher than Chaps. Saber is tolerant of BYDV with an average of 3.1 (0-9 scale where 0=very tolerant) compared to 4.5 for Jay and Chaps. Saber is susceptible to loose smut and is moderately resistant to moderately susceptible to crown rust. Saber has light yellow kernels with kernel color similar to Ogle, and the variant allowed is 0.5% talls. Saber will be released as a public variety. Seed stock will be maintained by the Agricultural Alumni Seed Improvement Association, Inc. A royalty is charged for the sale of Certified class seed.

VISTA

*U.S. Protected Variety
PVPA 1994*

VISTA is a mid-late season oat variety released by the University of Wisconsin-Madison in 1999. Vista has consistently shown high grain yields in Wisconsin statewide tests with seed test weights similar to Belle. Vista heads two days later than Ogle. Plant height is similar to Troy with lodging similar to Gem. Vista has excellent crown rust resistance and tolerance to barley yellow dwarf virus.

Seed of Vista can legally be produced and labeled for sale only by growers who have been licensed by the Wisconsin Crop Improvement Association to its legal agent. Vista is a two generation variety (F & C) with a royalty due the originator.

SOURCES FOR 2018 PLANTING

FOUNDATION SEED

	<u>ACRES</u>
Ohio Foundation Seeds, Inc.,	
ARMOR.....	7.7
CORRAL.....	7.0
SABER.....	16.5

ACRES
Reg. Cert.

ARMOR

*U.S. Protected Variety
PVPA 1994*

*Unauthorized Propagation Prohibited - (Unauthorized Seed Multiplication Prohibited)
Title V - To be sold by variety name only as a class of Certified Seed*

DKG Seed Farms, Wayne CO.....	17.0	104.9
Ernst Conservation Seeds, Crawford CO.....	21.5	
Hadley Seed Farm, Mercer CO.....	15.5	202.5
Miller, W. I. & Sons, Trumbull CO.....		67.0
Powell Seeds, LLC, Hardin CO.....	6.0	40.0
Schlessman Seed Co., Erie CO.....		60.0
Schwartz Farms, Trumbull CO.....	14.6	34.7
Wensink Farm Seeds, Inc., Erie CO.....		175.0
Total:	74.6	684.1

BURTON

Miller, W. I. & Sons, Trumbull CO.....		66.0
Total:		66.0

CORRAL

*U.S. Protected Variety
PVPA 1994*

Title V - Limited to Two Generations - Foundation & Certified

Miller, W. I. & Sons, Trumbull CO.....		17.0
Schwartz Farms, Trumbull CO.....		34.5
Total:		51.5

OATS

KONA <i>PVPA 1994</i>	ACRES	
	Reg.	Cert.
Walnut Creek Seed, LLC, Fairfield CO.....	20.0	
Total:	20.0	

NOBLE		
Wensink Farm Seeds, Inc., Erie CO.....	3.0	22.0
Total:	3.0	22.0

OGLE		
Wensink Farm Seeds, Inc., Erie CO.....		37.0
Total:		37.0

SABER <i>U.S. Protected Variety PVPA 1994 Title V - Limited to two generations -Foundation and Certified</i>		
DKG Seed Farms, Wayne CO.....		37.0
Hadley Seed Farm, Mercer CO.....		89.0
Powell Seeds, LLC, Hardin CO.....		12.0
Rupp Seeds, Inc., Fulton CO.....		64.0
Wright's Certified Seeds, Ashtabula CO.....		52.5
Total:		254.5

VISTA <i>U.S. Protected Variety PVPA 1994</i>		
Hadley Seed Farm, Mercer CO.....		68.0
Total:		68.0

QUALITY ASSURANCE PROGRAM



Participation in this program is voluntary and illustrates these companies' efforts to use effective quality control in seed production, conditioning, and marketing. The services and records generated under this system provide quality assurance for every customer.

For more information regarding specific products produced under the QA program, please contact the participating company.

The following companies have produced seed under the Quality Assurance Program. This program provides an unbiased quality control system of field inspection, laboratory testing and post season growout testing for varieties, brands, and blends.

OATS

DKG Seed Farms, Wayne Co..... GR 65

SOYBEANS

DKG Seed Farms, Wayne CO.
DKG 3808

Miller Seed Farms, Seneca CO.
1630GTS, 1728GTS, 321L616, BG 7290, BG 7302GTS, BG 7330, BG 7340

Rupp Seeds, Inc., Fulton CO.
BESWEET 2001, BESWEET 2015, BESWEET 292, RS18XT17, RS2225, RS2280, RS22XT91, RS2316, RS24XT53, RS26XT00, RS27XT61, RS28XT22, RS30XT29, RS30XT30, RS33XT63, RS34XT43, RS35XT55, RS37XT72, RS6230LL, RS6267LL, RS6303, RS7177RR, RS7205RR, RS7239RR, RS7242, RS7283RR, RS7322N, RS7332RR

QUALITY ASSURANCE PROGRAM

Soybeans (cont.)

Schlessman Seed Co., Erie CO.

AGRA6629R2RXT, SSC 2714R2R, SSC 2914R2R, SSC 3015R2R, SSC 3214R2R, SSC297LL, SSC327LL, SSC344LL

Schwartz Farms, Trumbull CO.

EMERGE 3066, IA3051

Thompson Seed Farm, Inc., Allen CO.

TS-314N, TS-361, TSR-3017N, TSR-3517

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The following companies have produced grain under the Identity Preserved Grain Program. This program provides an unbiased, third party, quality control system of field inspection, post harvest laboratory testing and post season growout testing for grain.

Grain carrying the "IP" tag or logo has met the minimum genetic purity standards based on the breeder's agronomic description. The IP system is a comprehensive program to help assure the production of genetically pure product or grain by planting seed of a known variety, use of extensive record keeping, field inspection, and post harvest testing.

Participation in this program is voluntary and illustrates these companies' efforts to use effective quality control in grain production, conditioning, and marketing. The services and records generated under this system provide quality surveillance for every customer.

OSIA's IP program is officially sanctioned by the Association of Official Seed Certifying Agencies (AOSCA).

For more information regarding specific products produced under the IP program, please contact the participating company.

SOYBEANS

KG Agri Products, Inc, Union Co. (937)644-8215
Bluegrass Farms of Ohio., Fayette Co. (740)426-6683

NOXIOUS WEED FREE FORAGE AND MULCH CERTIFICATION

There is a growing demand in North America for the use of certified noxious weed free forage and mulch as a preventative program to limit the spread of noxious weeds. This voluntary certification program is designed to assure that forage (straw, hay, cubes and pellets) and mulch sold with proper certification identification meets minimum standards designed to limit the spread of noxious weeds. Buyers are provided assurance that forage and mulch certified through this program meets these minimum standards.

Ohio Seed Improvement Association has been designated as the official Noxious Weed Free Forage and Mulch (NWFF & M) Certification Agency in Ohio. Program standards comply with the Regional Weed Free Forage Certification Standards developed by the Regional Weed Free Forage Committee of the North American Weed Management Association. The Regional Weed Free Forage Committee has established minimum standards to allow uniform participation by states and provinces in the program. Forage and mulch certified under the OSIA certification program with proper certification documents or markings attached will be eligible to be shipped into restricted areas in the United States and Canada where only forage and mulch certified under the Regional Forage Certification Standards can be used.

The following producers have applied for certification of noxious weed free forage and/or mulch in 2017.

Ayers Farms
820 St. 39, Perrysville, OH 43358
Ashland Co.....Fax: (419)938-7316(419)651-7747
Baker's Acres
6609 Ashland Road, Wooster, OH 44691
Wayne Co.....330)621-1609
Brill Farms
22200 Lingrel Road, West Mansfield, OH 43358
Union Co.....(937)982-3346
Brubaker Grain and Chemical
2918 Quaker Trace Rd., West Alexandria, OH 45381
Montgomery Co.....Fax: (937)839-4576(937)839-4636
Bumb Farms
11094 West Co. Rd. 6, Alvada, OH 44802
Seneca Co.....(419)934-9336
Emens Enterprises
20230 Co. Rd. S., Alvordton, OH 43501
Williams Co.(419)265-0032
Enterprise Hill Farm, Inc.
5264 Huber Road, Norwalk, OH 44857-9614,
Huron Co.....Fax: (419)663-2147(419)668-0242
Enviroscape ECM, LTD
300 S. Chestnut Street, Ste. C., Deshler, OH 43516
Paulding Co.....Fax:(419)594-3213(888) 550-1999

NOXIOUS WEED FREE FORAGE AND MULCH CERTIFICATION (cont.)

Garrabrant Farms
 5662 Sportman Club Road, Johnstown, OH 43031
 Licking Co.(740)404-8267
 Goodman Hay & Straw
 14114 County Road 193, Vanlue, OH 45890
 Hancock Co.....(419)722-9334
 Pugh Family Farms, LLC
 2626 Swallen Avenue, Louisville, OH 44641
 Stark Co.(330)353-3536
 QM Straw
 341 King Road, Martinsville, OH 45146
 Clinton Co.Fax: (937)685-2881(937)685-2132
 Shoup Brothers Farm LLC
 1074 Schrock Road, Orrville, OH 44667
 Wayne Co.(330)465-4745
 J.P. Takacs Farm, LLC
 49233 St. Rt. 18, Wellington, OH 44090
 Lorain Co.(440)647-3312
 J. Ullom Forage Farms LLC
 3321 Shreve Eastern Road, Shreve, OH 44676
 Wayne Co.(330)464-6899
 Why-Not Acres, LLC
 2657 Election House Rd. NW, Lancaster, OH 43130
 Fairfield Co.Fax: (740)654-2925(740)974-8112
 Wilson Farms
 13162 Township Highway 124, Upper Sandusky, OH 43351
 Wyandot Co.(419)310-1595

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SEED QUALITY

The quality of the seed you plant is most important. Good seed should be true to type for the variety or hybrid selected, high in germination, free from insect or disease damage, free of weed seeds and, in general, should be of high quality. Buying or using poor quality seed can be, and usually is expensive. All seed sold in Ohio must be labeled as to germination, weed content (if any), purity, etc. Read the tag or label before you buy the seed. The information on the tag or label will give you some indication of the quality of the seed contained therein.

FACTORS THAT DETERMINE SEED QUALITY

PURE SEED - is the percentage of the seed that will produce plants true to type for that variety.

GERMINATION - is the percentage of seed that will produce normal plants under favorable conditions. Note: "Does not include abnormal seedlings."

WEED SEEDS - is the percentage, by weight, of seeds considered weeds by law, official regulations or by general usage.

INERT MATTER - is the percentage, by weight, of broken seeds that are one-half or less the original size and all foreign material such as chaff, stems, soil particles, etc.

OTHER CROP SEEDS - is the percentage, by weight, of seeds not of the crop or specified variety.

HARD SEED - is the percentage of seeds which remain hard but sound at the end of the prescribed test period. They normally do not contribute to current field stand, but may germinate at a later date.

SEED TREATMENT - is the applying of material (normally chemical) to seed that will protect the seed from any soil and seed-borne diseases and insects.

SOURCE - is important in seed quality, just as it is in any other commodity. Always buy from a reputable dealer. They are interested in your welfare.

PLS (PURE LIVE SEED) - is the percentage of pure seed that will germinate. It is determined by multiplying the percent germination by the purity percentage.

NOTICE TO BUYERS

This Certification Label is valid only when attached to a container or bag of seed of the specified variety and lot number.

The Ohio Seed Improvement Association (OSIA) is a nonprofit corporation authorized by the laws of the State of Ohio to establish standards and procedures for seed certification. The OSIA provides certification labels to seed growers based upon the submission by growers to OSIA of representative samples of seed for analysis of the genetic purity of the seed. The grower and/or seller, by attaching this label to a particular lot of seed is representing to both the OSIA and the buyer, that the seed has been produced, conditioned and inspected in accordance with the standards and procedures established by the OSIA and that the seed described on the label meets the minimum requirements. THE GROWER AND/OR SELLER WHOSE NAME APPEARS ON OR IS ATTACHED TO THE CONTAINER OR BAG OF SEED IS SOLELY RESPONSIBLE FOR THE SEED ANALYSIS AND OTHER INFORMATION THEREON AND FOR THE PROPER USE OF THIS CERTIFICATION LABEL.

OSIA IS NOT THE SELLER AND MAKES NO WARRANTIES, WHETHER EXPRESS OR IMPLIED (INCLUDING THE IMPLIED WARRANTY OF MERCHANTABILITY), AS TO THE SEEDS SOLD BY GROWER OR SELLER. THE BUYER IS PURCHASING THE SEEDS "AS IS" WITH RESPECT TO OSIA.

Ohio Seed Improvement Association, 6150 Avery Road, Box 477, Dublin, Ohio 43017-0477

Field Application Disclaimer
Ohio Seed Improvement Association
Application for Inspection of Seed Crop, Inspection Agreement
Disclaimer and Limit of Liability

Member hereby requests that the Ohio Seed Improvement Association (hereinafter referred to as OSIA), the official seed-certifying agency designated by the Ohio Department of Agriculture, inspects certain seed crops as set forth in the member's inspection request forms.

It is expressly agreed by the member that the inspection services hereby requested to be provided by OSIA and its employees and agents, as provided by law and by Ohio Seed Law No. 907.02 as amended, are limited to the following:

- (a) Visual field inspection for varietal purity;
- (b) Visual field inspection for presence of disease;
- (c) Visual field inspection for overall crop management;
- (d) For post harvest testing (varietal purity and diseases), inspection shall be limited to visual inspection.

All inspections conducted by OSIA shall be based upon sequential sampling methods pursuant to accepted inspection procedures. Laboratory testing, when requested by the member or required or deemed necessary by OSIA, shall be paid for by the member.

The member agrees to provide OSIA with complete and accurate records and field maps as requested by OSIA. The member also agrees to inform OSIA as to any changes in the conditions of the crop which occur subsequent to the field inspection. Failure of the member to meet these conditions shall render any certification granted by OSIA void.

Visual field inspection approval does not guarantee that the crops will be certified. Such approval only means that the crops are eligible for subsequent steps in the certification process as required by Ohio Seed Certification Regulations.

Certification from OSIA means that the SAMPLES INSPECTED are within the tolerances for purity and disease as set forth in Ohio Seed Certification Regulations.

CERTIFICATION DOES NOT CONSTITUTE A GUARANTEE OR WARRANTY, NOR IS IT A REPRESENTATION THAT THE COMMODITY IS MERCHANTABLE OR FIT FOR A PARTICULAR PURPOSE. THE CERTIFYING AGENCY MAKES NO IMPLIED OR EXPRESS WARRANTIES OR REPRESENTATIONS AS TO FREEDOM FROM DISEASE OR LEVEL OF QUALITY. CERTIFICATION MEANS ONLY THAT, AT THE TIME OF INSPECTION, THE SAMPLED PLANTS AND/OR SEED OF EACH LOT INSPECTED CONFORMED TO THE STANDARDS AND TOLERANCES AS SPECIFIED IN THE RULES.

It is understood and agreed that any liability of OSIA is limited to the amount of the fees incurred by the member for the inspection.

I have read, understand and agree to the foregoing terms and conditions and I herewith make APPLICATION for SEED CROP INSPECTION of the varieties listed in the inspection requests for the purpose of having seed there from certified by the Ohio Seed Improvement Association, designated an official seed certifying agency by the Ohio Department of Agriculture. I agree to abide by the by-laws and the policies of the Association and the Ohio Department of Agriculture Certification of seed, tubers and plants No. 907.02 as amended, as applicable to my application. By submission of this field application I the producer or representative of the producer hereby agree to the terms and conditions of this agreement.

NOTES



OHIO SEED IMPROVEMENT ASSOCIATION

6150 Avery Road, Box 477

Dublin, Ohio 43017-0477

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