2022 Annual Directory



OHIO SEED IMPROVEMENT

Hemp
Oats
Soybeans
Spring Spelt

NAIN PEDTIFIEN GEFT

Noxious Weed-Free Forage and Mulch

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 the 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. The 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 https://www.ohioseed.org E-mail: osia@ohseed.org

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OFFICERS, BOARD OF DIRECTORS, & STAFF

OFFICERS

Greg Ramsey	President
Brad Snyder	Vice-President
Barrett French	
John Armstrong	Secretary/Manager

Tim Debolt	2022
Barrett French	2021
Jessica Carpenter	2024
Dan Henry, ODA	2023
Dan Kenny	2022
Kelley Jean Tilmon, OSU	2024
Laura Lindsey, OSU	2021
Ken Miller	2024
Fred Pond	2023
Greg Ramsey	2022
Clay Sneller, OSU	2023
Brad Snyder	2021

OFFICE STAFF

John Armstrong	. Secretary/Manager
Eric Groll	. Chief Inspector
Becky Brown	. Fiscal Officer
Eve Brodkin	. Administrative Asst.
Johnanna Beuerlein	. Seed Lab Mgr./Registered Seed Technologist
Cynthia Thurkins	. Seed Laboratory Clerk
Amanda Morris	. Seed Technician I
Paul Ritter	. Seed Technician I

2021 MEMBERSHIP ACTIVE MEMBERS

NAME/ADDRESS	COUNTY	FAX	PHONE
AGREX, INC.	Wood	(419) 352-6710	(419) 373-6311
PO Box 149	****	(413) 332 0710	(413) 313 0311
Bowling Green, OH 43402			
BLUEGRASS FARMS OF OHIO,	Fayette	(740) 426-6684	(740) 426-6683
INC.	layette	(140) 420-0004	(140) 420-0003
9768 MillJeff. Rd., PO Box 57			
Jeffersonville, OH 43128			
BURTCH SEED CO., INC.	Mercer	(419) 363-3796	(419) 363-3713
4742 Tama Rd.	IVICIOCI	(413) 303 3730	(413) 303 3113
Celina, OH 45822			
CLEVER FARMS, INC.	Licking		(740) 893-4191
13676 Foundation Rd.	Licking		(140) 033-4131
Croton, OH 43013			
CORTEVA AGRISCIENCE	Wood	(419) 748-8900	(419) 748-8051
15180 Henry-Wood C.L.		(120) 1 10 0000	(120) 1 10 0002
Grand Rapids, OH 43522			
DKG SEED FARMS	Wayne		(330) 465-7079
5043 Coal Bank Rd.			(555, 155 1515
Orrville, OH 44667			
ERNST CONSERVATION SEEDS	Crawford	(814) 337-6973	(814) 336-2404
8884 Mercer Pike		(0=1) 001	(0=1,000=10)
Meadville, PA 16335			
FRENCH'S HYBRIDS, INC.	Huron		(440) 839-2934
6484 State Route 303			() 555 _55 .
Wakeman, OH 44889			
H.W. MARTIN & SON CO.	Licking	(740) 928-4008	(740) 928-4000
10553 Swamp Road, SW	- 3		
Hebron, OH 43025			
HADLEY SEED FARM	Mercer	(724) 253-3654	(724) 253-3900
21 Wolfe Rd.			, ,
Hadley, PA 16130			
HIRZEL FARMS	Wood	(419) 837-5717	(419) 837-2710
20790 Bradner Rd.			
Luckey, OH 43443			
HISER SEEDS, LLC	Ross	(740) 993-2311	(740) 993-2311
2311 Mile Tree Rd.			
Clarksburg, OH 43115			
HOUCK SEED COMPANY	Huron		(419) 706-3982
2268 US Route 20			
Monroeville, OH 44847			
HUMPHREY FARM (THE)	Huron	(419) 663-0130	(419) 663-0130
3167 Wakeman-Townline Rd			
Wakeman, OH 44889			
JAGGER FARM SEEDS	Morrow		(419) 946-4957
7156 State Route 19			
Mt. Gilead, OH 43338			(222)
KG AGRI PRODUCTS, INC.	Union	(937) 644-8225	(937) 644-8215
20100 Johnson Rd			
Marysville, OH 43040		(0.00)	(0.00)
LELAND WALKER & SONS SEEDS	Highland	(937) 288-2305	(937) 288-2545
3851 Rhoads Rd.			
Hillsboro, OH 45133			
LUCKEY FARMERS, INC	Sandusky	(419) 849-2720	(419) 849-2711
Woodville			
1200 W. Main St., Box 217			
Woodville, OH 43469			

MILLER SEED FARMS 14564 State Route 162	Seneca	(419) 426-1791	(419) 426-1791
Attica, OH 44807			
W. I. MILLER & SONS CO. 3389 Gardner Barclay Rd. Farmdale, OH 44417	Trumbull	(330) 876-8037	(330) 876-6573
OHIGRO, INC. PO Box 196 Waldo, OH 43356	Marion	(740) 726-2574	(740) 726-2429
OHIO FOUNDATION SEEDS, INC. 11491 Foundation Rd., PO Box 6 Croton, OH 43013	Licking		(740) 893-2501
POND SEED COMPANY 12462 Blaine St., PO Box 156 Scott, OH 45886	Van Wert		(419) 622-6141
POWELL SEEDS, LLC. 6300 County Rd. 65 Ada, OH 45810	Hardin	(419) 634-5327	(419) 634-0763
R FARM 11500 Darby Creek Rd. Orient, OH 43146	Pickaway	(614) 877-9110	(614) 877-4792
REITERMAN SEED FARMS 19380 Clarks Run Rd. Mt. Sterling, OH 43143	Pickaway	(740) 869-2422	(740) 869-2422
RIKER FARM SEED CO. 10492 E. Poe Rd. Bowling Green, OH 43402	Wood	(419) 354-4048	(419) 352-0068
ROGERS GRAIN, INC. 5730 N. Greenville Falls-Clayton Rd. PO Box 189 Covington, OH 45318	Miami		(800) 336-2025
RUFF'S SEED FARMS 3870 Ruff Rd. Amanda, OH 43102	Fairfield	(740) 969-4340	(740) 969-2600
RUPP SEEDS, INC. 17919 County Road B Wauseon, OH 43567	Fulton	(419) 337-5491	(419) 337-1841
SCHLESSMAN SEED CO. 11513 US 250 N. Milan, OH 44846	Erie	(419) 499-2574	(419) 499-2572
SCHWARTZ FARMS 4193 Everett-Hull Rd. Cortland, OH 44410	Trumbull	(330) 637-2287	(330) 637-3388
THOMPSON SEED FARM, INC. 4920 Defiance Trail Rd. Delphos, OH 45833	Allen		(419) 692-1946
UTZ SEED FARMS, INC. 8738 County Rd. 35 New Washington, OH 44854	Crawford		(419) 706-7064
WALNUT CREEK SEED, LLC 6100 Basil Western Road Carroll, Ohio 43112	Fairfield		(330) 475-6352
B. F. WALTON & SONS SEED CO. 6655 State Route 67, Box 440 Upper Sandusky, OH 43351	Wyandot	(419) 927-5232	(419) 927-5222

WELLMAN SEEDS, INC. 23778 Delphos-Jennings Rd. Delphos, OH 45833	Van Wert	(419) 695-9020	(419) 695-9010
WENSINK FARM SEEDS, INC. 4704 Wood Rd., Route 1 Monroeville, OH 44847	Erie	(419) 359-1883	(419) 359-1501
WESTERN OHIO SEED 6721 Horatio Harris Creek Rd. Greenville, OH 45331	Darke		(937) 547-0311

ASSOCIATE MEMBERS

NAME/ADDRESS	COUNTY	FAX	PHONE
CAVEN FARM SEEDS	Shelby		(937) 368-3953
20823 Miami-Shelby E. Rd.			
Conover, OH 45317			
HERITAGE COOPERATIVE	Champaign	(937) 834-0199	(937) 834-0188
6239 State Route 187			
Mechanicsburg, OH 43044			
JEWELL GRAIN CO.	Defiance	(419) 497-2200	(419) 497-2101
Independence Rd., Box 30008			
Jewell, OH 43530			
KELLER GRAIN & FEED, INC.	Darke		(937) 448-2284
7977 Main St.			
Greenville, OH 45331			
MERIT SEED	Holmes	(330) 893-2219	(330) 893-3196
PO Box 205			
Berlin, OH 44610			
MTM FARMS, INC.	Auglaize		(419) 303-2673
29249 State Route 385			
Lakeview, OH 43331			
SETTLEMYRE SEED CO.	Warren	(937) 289-2132	(937) 289-2131
PO Box 158, 10288 Wilmington Rd.			
Clarksville, OH 45113			
STERITZ SEEDS	Clinton		(937) 364-2780
3250 Glady Rd.			
Lynchburg, OH 45142			
WARNER SEEDS	Miami	(937) 448-6184	(937) 448-6184
11350 W. Panther Creek Rd.			
Bradford, OH 45308			

LIMITED MEMBERS

NAME/ADDRESS	COUNTY	FAX	PHONE
ACCU-BEAN-CHEK	Ottawa	(419) 898-1210	(419) 898-1210
2240 N Leutz Rd.		*51	
Oak Harbor, OH 43449			
BIO GENE SEEDS	Brown	(937) 444-4042	(937) 444-6422
5477 Tri-County Hwy.			
Sardinia, OH 45171			
SHANE BOROFF, LLC	Franklin	_	(614) 657-8265
4967 Galway Dr.			
Dublin, OH 43017			

DUMP CADMO	Company		(440) 024 0226
BUMB FARMS	Seneca	_	(419) 934-9336
11094 West County Rd. 6			
Alvada, OH 44802	VA/:II: = :===		(440) 005 0020
EMENS ENTERPRISES	Williams		(419) 265-0032
20230 County Road S			
Alvordton, OH 43501			
ENTERPRISE HILL FARM, INC.	Huron	(419) 663-2147	(419) 668-0242
5264 Huber Rd.			
Norwalk, OH 44857			
FOWLER SEED MARKETING	Ashtabula	(440) 563-5298	(888) 249-7333
2952 State Route 45 N			(SEED)
Rock Creek, OH 44084			
GREEN RIDGE FARMS	Wood	_	(419) 265-0304
16668 W. River Rd.			
Bowling Green, OH 43402			
GROW PRO GENETICS			(815) 370-3291
1521 Convent Street, Suite 200			
Bourbonnais, IL 60914			(440) 0 := 00 : 5
J. P. TAKAS FARM, LLC	Lorain		(440) 647-3312
49233 State Route 18			
Wellington, OH 44090			(5.4.7) 200 7077
MURPHY FARMS			(517) 206-7377
177 South Gregory Road			
Fowlerville, MI 48836	.,		(= 40) 400 == 00
NEEDS FARMS LLC	Knox	_	(740) 490-5762
290 Baltimore Somerset Rd. NE			
Baltimore, OH 43105	F 12	B	
OHIO CRAFTED MALT HOUSE, LLC	Franklin		act via email
8000 Walton Pkwy., Suite 200		<u>procurement@</u>	Ooriginmalt.com
New Albany, OH 43054	Olivet		(007) 005 0400
QM STRAW	Clinton	_	(937) 685-2132
341 King Rd.			
Martinsville, OH 45146	Deale	(0.27) 5.40,0000	(007) 540 4400
REMINGTON SEEDS, LLC	Darke	(937) 548-0922	(937) 548-4193
5585 State Route 571 E			
Greenville, OH 45331 REMINGTON SEEDS, LLC - London	Madiaan	(740) 974 2207	(740) 874-3347
13455 State Route 38 SE	Madison	(740) 874-3307	(740) 874-3347
London, OH 43140			
SCOTTS COMPANY (THE)			
Attn: Matthew Koch			
14111 Scottslwan Road			
Marysville, OH 43041			
SEED GENETICS DIRECT, LLC	Fayette		(740) 505-0013
PO Box 32	i ayette	_	(140) 303-0013
9983 Jeffersonville-W. Lancaster Rd.			
Jeffersonville, OH 43128			
STRAW FOR SALE, OHIO, INC.	Fairfield		(740) 974-8112
2657 Election House Rd. NW	i airriciu	_	(140) 314-0112
Lancaster, OH 43130			
SYNERGY AG	Seneca		(419) 618-8428
6150 North County Road 33	Jeneta		(410) 010-0420
Tiffin, OH 44883			
		i	i l

TRESTER FARMS	Clermont	 (513) 518-7122
2350 State Route 133		
Bethel, OH 45106		

AFFILIATE MEMBERS

NAME/ADDRESS	COUNTY	FAX	PHONE
BRAUTIGAM, JIM	Auglaize		(419) 738-8087
10140 County Rd. 33A, Box 50			
Wapakoneta, OH 45895			
CARROLLTON-FARMERS EXCHANGE	Carroll		(330) 627-2144
CO.			
204 Second St. NW			
Carrollton, OH 44615			
DIRECT ENTERPRISES	Hamilton	(317) 867-4253	(888) 895-7333
16545 Southpark Dr.			
Westfield, IN 46074			
HELENA AGRI-ENTERPRISES, LLC	Wood	(419) 353-7190	(419) 354-0253
7978 E Bowling Green Road			
Bowling Green, OH 43402			
IVY GARTH SEEDS & PLANTS	Geauga	(440) 729-7692	(800) 351-4025
8422 Mayfield Rd.			
Chesterland, OH 44026			
KRAUSE SEEDS, INC.	Lafayette	(660) 463-7171	(660) 463-7333
PO Box 688			
Concordia, MO 64020			
LAWGIX INTERNATIONAL, INC.	Ashland	(419) 289-6727	(866) 289-5558
PO Box 327			
Ashland, OH 44805			
LIMAGRAIN CEREAL SEEDS	Larimer	(970) 498-2207	(970) 498-2200
2040 SE Frontage Rd.			
Fort Collins, CO 80525			
THE DON MARSHALL CO., INC.	Madison	(614) 873-8338	(614) 873-8520
235 Maple St., PO Box 124			
Plain City, OH 43064			
THE SEED CENTER	Delaware	740) 666-1539	(800) 660-8789
7790 US Route 36, PO Box 87			
Ostrander, OH 43061			

EMERITUS MEMBERS

NAME/ADDRESS	COUNTY	PHONE
BEUERLEIN, JIM	Morrow	(614) 270-3680
5180 State Route 95 E		
Mt. Gilead, OH 43338		
HAGHIRI, FAZ	Wayne	(330) 264-4711
1665 W. Highland Ave		
Wooster, OH 44691		
LAFEVER, HAL	Tippecanoe	(765) 464-1314
2930 Sonata Ct.		
West Lafayette, IN 47906		
MILLER, ROBERT L.	Mercer	(419) 678-4750
252 Spring St.		
St. Henry, OH 45883		
ST. MARTIN, STEVE	Franklin	(614) 279-3689
2104 Bigby Hollow Street		
Columbus, OH 43228		

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 their 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 their 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 their 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	SOYBEANS
Corral*	Clermont*
Saber*	
Vista*	
Hayden*	

^{*}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 AND CERTIFIED IN OHIO

Soybeans:

Variety	Release Institution	Classes Assessed	Royalty ¹
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
Ohio FG6	Ohio State University	R & C	3.25/50 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	Release Institution	Classes Assessed	Royalty ¹
Burton	Ohio State University	R & C	0.25/bu
Corral	Univ. of Illinois and Cornell Univ.	С	0.30/bu
Hayden	South Dakota Agricultural Experiment Station (SDAES)	R & C	0.30/bu
Saber	University of Illinois	С	0.30/bu
Vista	University of Wisconsin	С	0.30/bu

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

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

Oats:

Variety	Release Institution	Classes Assessed	Royalty ¹
Armor	Ohio State University	R & C	0.25/bu

²Assessment based upon bushels sold.

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, 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 purchased 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.

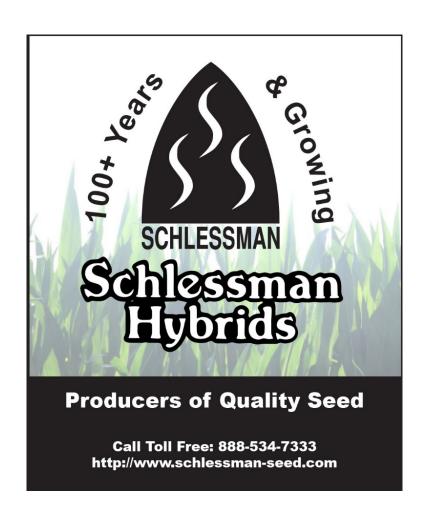
Certified Seed is more uniform in growth and maturity and is more dependable, which reduces the chance of crop failure. These factors combine to give higher yields of better quality crops. These advantages provided by the use of Certified Seed will help cut the cost of production and thus increase net 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, Ph.D., at Dahlman.3@osu.edu.







SOYBEANS OTHER VARIETAL CHARACTERISTICS

VARIETY	RM ²	PLANT TYPE	LODGING	SEED SIZE	PHYTOPHTHORA	SCLEROTINIA
Apex	3.7	Semidwarf	N/A	Medium	Rps ₁ ^k	-
Clermont	3.9	Thinline	Mod. Res.	Medium	Rps ₁ c/ Rps ₃ a	-
Dennison	3.5	Thinline	Mod. Res.	Small	Rps ₁ ^k /Rps ₃ ^a	Susceptible
HIGHPRO1	3.7	-	Resistant	Large	Tolerant	-
IA2104RA12	2.3	-	-	Large	None	-
IA3054RA12	3.0	-	-	Large	None	-
IA 3051RA12	3.1	-	-	Large	None	-
Lorain	3.4	Intermediate	Resistant	Small	Rps ₁ ^c	-
Ohio FG6						
Resnik	3.4	Intermediate	Resistant	Very Small	Rps ₁ ^k	Fair
Streeter	3.0	Intermediate	Very Resistant	Medium	Rps ₁ ^c / Rps ₃ ^a	N/A
Summit	2.6	Intermediate	Resistant	Medium	Multiple Rps Genes	N/A
Wyandot 14	2.9	Intermediate	Resistant	Large	Rps₃ª	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

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

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 three 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.

OHIO FG6

Ohio FG6 (Exp. HM14-B047), is being released as a public certified variety. It has comparable attributes to commercial food-grade check cultivars used in tofu and soymilk production. HM14-B047 is a F4 composited line derived from a cross between (HS2-8086) x HS1-7267) and 'Ohio FG5'. HS2-8086 is an F2 derived line from (('Burlison' x ('Century 84' x 'Harper') x ((GR8963 x A2943) x 'Ohio

FG2Y'), while HS1-7267 is an F2 derived line from a cross between U97-3114 and ('Defiance' x ('Burlison' x A86-301024)).

Ohio FG6 possesses a yellow hilum, which is critical for the food-grade market. It yields similarly to some exclusively OSU licensed cultivars. Seed weight is large. Ohio FG6 exceeds seed protein concentrations of previous OSU public food-grade cultivars by 1.1 to 2.0%.

In a tray assay, Ohio FG6 showed high levels of resistance to *Phytophthora sojae*. In a cup assay, Ohio FG6 possess moderate resistance to *Pythium irregulare* and *Pythium ultimum* v. sproangigerum with root rot scores of 2.8 and 2.4, respectively.

Ohio FG6 has an RM of 3.7, a royalty of \$3.25/lb for sale of registered and certified seed classes as required, and is a three-generation (F, R, and C) variety. Foundation seed stock will be maintained by Ohio Foundation Seeds, Inc.

IA2104RA12

IA2104RA12 was developed by the lowa State University Research Foundation, Inc. (ISURF). This variety was developed by backcrossing the Rag1 and Rag 2 alleles into IA2104. IA2104RA12 will be grown in the northern half of lowa and in similar latitudes of the United States for use in the production of soy foods. This variety has not been tested against specific soybean diseases; however, IA2104RA12 possesses soybean aphid resistance conferred by the Rag 1 and Rag2 alleles. IA2104RA12 is a conventional 2.3 relative maturity soybean variety with large seed, high protein, yellow colored hilum and seed color, with white flowers, tan pods, tawny pubescence, and ovate leaf shape. Variants and other identifying characteristics include an allowance for up to 1% gray pubescence. Foundation, Registered, and Certified are recognized seed classes. Seed stocks will be maintained by roguing off-types from Foundation seed production fields. Production is subject to a licensing agreement with ISURF.

IA3051

IA 3051 has a maturity rating of 3.0 and was released by Iowa State University Foundation. It is a large-seeded, high-protein specialty soybean variety. IA 3051 has white flowers, brown pods, gray pubescence and seeds with yellow hila and dull seed coats. There is a variant for 1% buff, black, brown, or gray hila and up to 1% tawny pubescence. 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.

IA3054RA12

IA3054RA12 soybean variety has a maturity rating of 3.0 and was released by Iowa State University Research Foundation in 2016. It was developed by backcrossing the Rag1 and Rag2 alleles into IA3051. IA3054RA12 is an earlier maturing selection form the backcross program. IA3054RA12 will be grown in the southern half of Iowa and in similar latitudes in other parts of the United States for use in the production of soy foods. IA3054RA12 has not been tested against specific soybean diseases. IA3051RA12 possesses soybean aphid resistance conferred by the Rag1 and Rag2 alleles. The plant descriptions include ovate leaf shapes Brown Pod Color; White Flowers; Green hypocotyl color; and gray pubescence. The mature seed description includes yellow hilum color and seed color; elongate seed shape and the average number of seeds per pound is 2,020. Variants and other identifying characteristics include tolerance of 1% for off-type hilum and seed coat color. Foundation, Registered, and Certified are recognized seed classes. The Iowa State University Research Foundation, Inc. (ISURF) is the responsible party. Seed stocks will be maintained by roguing off-types from Foundation seed production fields. Production is subject to a licensing agreement with ISURF.

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 greenhouse 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.

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 prerelease testing in Ohio and regional trials. Resnik is a mid-Group III in maturity, about four to six 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. This variety has an OSIA Member Certified research levy of \$1.30/acre for each acre passing field inspection.

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.

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 sovbean 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 2022 PLANTING

FOUNDATION SEED

Ohio Foundation Seeds, Inc., Licking Co	<u>RES</u>
OH FG6	0
	ACRES
APEX Reg	. Certified
DKG Seed Farms, Wayne Co	28.0 28.0
OHIO FG6	
Wellman Seeds, Inc., Van Wert Co	0 0.0 0
IA2104RA12	
Schwartz Farms, Trumbull Co	

IA3051

Wellman Seeds, Inc., Van Wert Co	••	
IA3051RA12		
DKG Seed Farms, Wayne Co		
IA3054RA12		
Schwartz Farms, Trumbull Co		
LORAIN	Reg.	ACRES Certified
Miller Seed Farms, Seneca Co		42.0 42.0
RESNIK		
DKG Seed Farms, Wayne Co		25.0 25.0
STREETER		
DKG Seed Farms, Wayne Co		23.0 23.0
SUMMIT		
DKG Seed Farms, Wayne Co	0.0	18.0 50.0 68.0

WYANDOT 14

Miller Seed Farms, Seneca Co	51.0
Wensink Farm Seeds, Inc., Erie Co	40.0
Total:	91.0



SPRING SPELT

CERTIFICATION REGULATIONS

Planting Requirements:
Foundation or Registered seedstock
Eligible land
Field Inspection
Variety purity, minimum

Laboratory Analysis:

Other varieties or off-types, maximum

99.5%

0.5%

DESCRIPTION OF VARIETY

CDC ORIGIN

CDC Origin is a Spring Spelt Cultivar originating from the University of Saskatchewan and is exclusively licensed to French's Hybrids, Inc. as a three-generation royalty bearing variety.

CDC Origin exhibits very good standability, excellent test weight, resistance to loose smut, and moderate resistance to leaf rust and fusarium head blight. CDC Origin also tests high in grain protein levels.

Seeding date for CDC Origin is similar to that of Spring Oats or Spring Barley and utilization should be kept North of I-70.

SOURCES FOR 2021 PLANTING

CDC ORIGIN

French's Hybrids, Inc, H	Huron Co
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SPRING OATS

CERTIFICATION REGULATIONS

Planting Requirements: Foundation or Registered seedstock Eligible land Field Inspection Variety purity, minimum Laboratory Analysis:

99.9%

Other varieties or off-types, maximum

0.5%

DESCRIPTION OF VARIETIES

ANTIGO

PVPA 1994

Title V - Limited to two generations -Foundation and Certified

Antigo is an early maturity variety released from the University of Wisconsin-Madison in 2017. Antigo has excellent test weight and high yields. Antigo heads out one day later than Badger and two days earlier than Esker. Antigo is two inches taller than Badger and two inches shorter than Esker and Ron. Lodging is similar to Esker and Natty and less than Drumlin and Vista. It is modestly resistant to crown rust. Antigo has high dehulling efficiency, average groat percentage while is high in protein and oil. Antigo is a U.S. Plant Protected Variety (PVPA 1994). Seed of Antigo can legally be produced and labeled for sale only by growers who have been licensed by the Wisconsin Crop Improvement or its legal agent.

ARMOR

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 two 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.

Spring Oats

CORRAL

U.S. Protected Variety
PVPA 1994
Title V - Limited to Two Generations Foundation & Certified

CORRAL (ILOO-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.

SABER

U.S. Protected Variety PVPA 1994
Title V - Limited to two generations -Foundation and Certified

SABER - ILO2-8658 - 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 4 cm 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 lose 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% tall. 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.

STEUBEN

STEUBEN (MN 09255) is a white oat developed by the University of Minnesota from a cross between SA050128/ND 020965. Plant height is about 88 cm compared to 78 cm for Corral and 86 cm for Hayden. Heading date is two days later than Hayden and three days later than Corral. Steuben has a good lodging resistance, slightly more than Hayden but less than Corral. Steuben is resistant to current races of Crown rust. Steuben yields about three bushels less than Hayden but seven bushels more than Corral. Steuben has the highest test weight, 36.7 lbs/bu, of our current varieties. This is 4.6 lbs/bu more than Corral and 1.2 lbs/bu more than Hayden. There is a research assessment on Steuben Oats. Seed

Spring Oats

classes are Breeder, Foundation, and Certified.

VISTA

PVPA 1994

Title V - May be sold only as a class of Certified Seed Limited to two generations - Foundation and Certified

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 2021 PLANTING

FOUNDATION SEED

Ohio Foundation Seeds, Inc., Licking Co	<u>ACRES</u>
Onlo Foundation Seeds, Inc., Licking Co	
ARMOR	15.2
CORRAL	16.2
SABER	18.1

ANTIGO

PVPA 1994

Title V - May be sold only as a class of Certified Seed		ACRES		
Limited to two generations - Foundation and Certified	Reg.	Certi	<u>fied</u>	
Hadley Seed Farm, Mercer Co		65.5 65.5		
ARMOR		ACRES		
	Reg.	Certif	<u>fied</u>	
DKG Seed Farms, Wayne Co		0.0		
Powell Seeds, LLC, Hardin Co	0.0	39.0		
Schlessman Seed Co., Erie Co		0.0		
Schwartz Farms, Trumbull Co	0.0			
Wensink Farm Seeds, Inc., Erie Co				
Total:	151.5	570.8		

ACDEC

ACDEC

Spring Oats

CORRAL U.S. Protected Variety	ACRES	
	<u>Reg.</u>	<u>Certified</u>
PVPA 1994		
Title V - Limited to Two Generations - Foundation & Certifi		
Schwartz Farms, Trumbull Co		
W. I.Miller & Sons, Trumbull Co		112.0
Total:	•••••	219.0
	A	CRES
SABER	Reg.	Certified
PVPA 1994		
Title V - May be sold only as a class of Certified Seed		
Limited to two generations - Foundation and Certified		
DKG Seed Farms, Wayne Co	0.0	36.0
Hadley Seed Farm, Mercer Co		133.5
Rupp Seeds, Inc, Fulton Co		42.5
Schwartz Farms, Trumbull Co		102.0
W. I. Miller & Sons, Trumbull Co		
Total:		404.0
	٨	CRES
OTEUDEN		Certified
STEUBEN	iteg.	Certified
U.S. Plant Variety Protection Applied for Limited to two generations - Foundation and Certified		
Elimited to two generations in dundation and definited		
Schwartz Farms, Trumbull Co	0.0	69.7
Total:		69.7
	۸۲	RES
	Reg.	
VISTA	1105.	Jordinou
PVPA 1994		
Title V - May be sold only as a class of Certified Seed Limited to two generations - Foundation and Certified		
Zimitod to the gonerations if danagem and dortined		
Hadley Seed Farm, Mercer Co	0.0	110.0
Total:		110.0

HEMP

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

VCSTAR

Registered Seed

VCSTAR is a proprietary certified variety developed by "Grow Hemp Colorado." The variety is described as high CBD dominant (4% max. on pollinated crop; 8-11% max. on non-pollinated). It has consistently tested below 0.3% THC level for multiple years in multiple states. This variety is further described as dioecious; 50K+ seeds per pound; not auto flower; 60-40 female/male; 7-11+ feet height; and is multipurpose.

SOURCES FOR 2021 PLANTING

FOUNDATION SEED

VCSTAR

Shane Boroff, LLC, Franklin Co.....

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 grow-out testing for varieties, brands, and blends.

SPRING OATS

DKG Seed Farms, Wayne Co GR 65

SOYBEANS

B.F. Walton & Sons Seed Co., Wyandot Co AGI 27M04, AGI 31M04

DKG Seed Farms, Wayne Co DKG 3808

Leland Walker & Sons Seeds, Highland Co AGI 4001GL

Miller Seed Farms, Seneca Co 1728GTS, 1827GTS, BG 9270E3, BG 9290E3, BG 9332E3, MSF 2128

Pond Seed Company, Van Wert Co

AGI 2801RX, AGI 3101RX, AGI 3303RX, AGI 3503RX, AGI 3601RX

Reiterman Seed Farms, Pickaway Co

AGI 3601RX, AGI 39LL01

Riker Farm Seed Co., Wood Co

AGI 0-428AXF, AGI 1-724AE, AGI 25M04, AGI 26CN06, AGI 2801GL, AGI 28LL01, AGI 3101GL, AGI 31CN07, AGI 32CN08, AGI 9-728AE, AGI 9-730AE

Rogers Grain, Inc., Miami Co

IA3051RA12

Rupp Seeds, Inc., Fulton Co

BESWEET 292, JM EM-2, RS18EL11, RS18FX30, RS18XT17, RS20FX10, RS21EL57, RS23EL34, RS24FX70, RS25EL24, RS28EL98, RS28FX25, RS28XT37, RS31EL00, RS31FX44, RS33FX15, RS33XT32, RS34EL59, RS35FX81, RS7XP111

Thompson Seed Farm, Inc., Allen Co.

PGL2710, PGL3490, TS-279N, TS-349STS, TSR-2720N, TSR-3517

Wellman Seeds, Inc., Van Wert Co

W274

INFORMATION ONLY

H. W. Martin & Son Co,, Licking Co

AGI 0-436AXF, AGI 115B, AGI 1-734AE, AGI 3101GL, AGI 3401GL, AGI 36MN01, AGI 3801RX, AGI 9-728AE

Hiser Seeds, Ross Co

H-3371XF, H-5379LLGT, H-7379E3, H-7390E3, H-75, L-434

Luckey Farmers, Inc., Sandusky Co

Gro-Mor 24E32, Gro-Mor 29E52, Gro-Mor 30B62, Gro-Mor 30E72, Gro-Mor 1E01, Gro-Mor 34B11, Gro-Mor 34E42, LEGEND, MAVERICK, NOVA

Ohigro, Inc., Marion Co

AGI 217B, AGI 9-730AE

Pond Seed Company, Van Wert Co

AGI 116B, AGI 217B, AGI 222B

R Farm, Pickaway Co

AGI 217B, AGI 308, AGI 31LL01, AGI 35LL01, AGI 7374M, AGI 9-737AE

Schlessman Seed Co., Erie Co

AVERY, HOOVER, RUBY, SSC 2520E, SSC 281LLG, SSC 310LLG, SSC 3121E, SSC 3320E, SSC 340LLG

Schwartz Farms, Trumball Co

AgVenture 30H0

Seed Genetics-DIRECT, LLC, Fayette Co

AGI 0-733AE, AGI 0-743AE, AGI 1-433AXF, AGI 1-732AE, AGI 1-734AE, AGI 1-736AE, AGI 1-737AE, AGI 1-739AE, AGI 9-737AE, AGI 9-739AE, Direct 8338LL

Utz Seed Farms, Inc., Crawford Co

AGI 0-725AE, AGI 0-733AE, AGI 114, AGI 1-722AE, AGI 1-727AE, AGI 1-729AE, AGI 1-730AE, AGI 222B, AGI 2501GL, AGI 25M04, AGI 2801GL, AGI 217B, AGI 31M04, AGI 3502RX, AGI 9-720AE, AGI 9-730AE

IDENTITY PRESERVED GRAIN PROGRAM



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 grow-out 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 authentication 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, Inc. 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 2020.

NAME/ADDRESS	COUNTY	FAX	PHONE
Enterprise Hill Farm, Inc.	Huron	(419) 663-2147	(419) 668-0242
5264 Huber Road			
Norwalk, OH 44857			
Murphy Farms	Clinton		(517) 206-7377
177 South Gregory Road			
Fowlerville, MI 48836			
Needs Farms, LLC	Fairfield		(740) 490-5762
290 Baltimore Somerset Rd. NE			
Baltimore, OH 43105			
Straw for Sale Ohio, Inc.	Fairfield		(740) 974-8112
2657 Election House Rd. NW			
Lancaster, OH 43130			

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Schlessman Hybrids	



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

DISCLAIMERS

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; and
- 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 means only 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

Disclaimers (cont.)

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 therefrom 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.