2019 Ohio Certified Seed

Ohio Seed Improvement Association

Fall Directory for Wheat, Barley, Rye, Spelt, Triticale and Noxious Weed Free Forage and Mulch
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 company 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 of weight of pure seed, other crop seed, weed seed, and inert matter. The label is commonly referred to as an analysis tag. By studying both the CERTIFIED SEED and ANALYSIS TAGS, one can determine the quality of seed in the container. Inquiries for seed and requests for samples should be sent directly to the growers listed, and not to the Ohio Seed Improvement Association. This directory is for informational purposes and is not a solicitation to buy product.
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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.
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2019 PRODUCERS of Wheat, Barley, Rye, Spelt & Triticale

BRUBAKER GRAIN & CHEMICAL
2918 Quaker Trace Rd., West Alexandria, OH 45381
Montgomery Co. ....................... Fax: (937)839-4576 .......................... (937)839-4636
BURTCH SEED CO., INC.
4742 Tama Rd., Celina, OH 45822
Mercer Co. .......................... Fax: (419)363-3796 .......................... (419)363-3713
CLEVER FARMS, INC.
13492 Foundation Rd., Croton, OH 43013
Licking Co. .......................... Fax: (740)893-2285 .......................... (740)893-4191
Corteva AgriscienceTM
15180 Henry-Wood Road
Grand Rapids, OH 43522
Wood Co. .......................... Fax: (419)748-8900 .......................... (419)748-8051
DKG SEED FARMS
5043 Coal Bank Rd., Orrville, OH 44667
Wayne Co. .......................... Fax: (330)465-7097
FRANCIS HYBRIDS, INC.
6484 St. Rt. 303, Wakeman, OH 44889
Huron Co. .......................... Fax: (440)839-2563 .......................... (440)839-2934
HADLEY SEED FARM
21 Wolfe Road, Hadley, PA 16130
Mercer Co. .......................... Fax: (724)253-3654 .......................... (724)253-3900
Hirzel Farms
20790 Bradner Road, Luckey, Ohio 43443
Wood Co. .......................... Fax: (419)837-5717 .......................... 419-837-2710
HISER SEEDS LLC
2311 Mile Tree Rd., Clarksburg, OH 43115
Ross Co. .......................... Fax: (740)993-2311 .......................... (740)993-2311
LUCKEY FARMERS, INC.
1200 W. Main Street, 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)928-4000 ........................ (740)928-4000
MILLER SEED FARMS
14564 St. Rte. 162, Attica, OH 44807
Seneca Co. .................................................. Fax: (419)426-1791
 MILLER, W. I. & SON
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 CRAFTED MALT HOUSE LLC
8000 Walton Parkway, Suite 200 New Albany, OH 43054
Franklin Co. ........................ Fax: 614-386-1211 ........................ (717)557-5748
OHIO FOUNDATION SEEDS, INC.
P.O. Box 6, Croton, OH 43013-0006
Licking Co. ........................ Fax: (740)893-3183 ........................ (740)893-2501
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
11278 Darby Creek Rd., Orient, OH 43146
Pickaway Co. ............................... Fax: (614) 877-9110 ...................... (614)877-4792

REITERMAN SEED FARMS
17722 Clarks Run Rd., Mt. Sterling, OH 43143
Pickaway Co. ................................ Fax: (740)869-2422 ...................... (740)869-2422

RIKER FARM SEED CO.
10492 E. Poe Rd., Bowling Green, OH 43402
Wood Co. .................................. Fax: (419)354-4048 ...................... (419)352-0068

RUPP SEEDS INC.
17919 County Road B, Wauseon, OH 43567
Van Wert 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

THOMPSON SEED FARM, INC.
4920 Defiance Trail Rd., Delphos, OH 45833
Allen Co. ................................. Fax: (419)692-3915 ...................... (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, Ohio 43112
Fairfield Co. .............................. Fax: ................................. 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
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 their seed 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 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 their rights, they may resort to civil 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 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 filling fee is $300; the search or examination fee is $2,150; and the certificate fee is $300. A full listing of the fees is shown in the act and regulations and rules of practice. There is now a fee of $50 required when an applicant requests an extension for responding to a request.

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. The one-year window for applications under this exemption is April 5, 1996, through April 4, 1997.

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
Beltville, 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.

WHEAT:

Branson*94
Starburst*94
Sunburst*94
SY007*94
SY100*94
SY483*94
SY547*94
Barley
Thoroughbred*94

*SEED OF THESE VARIETIES MAY 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 SCHEDULE FOR VARIETIES CERTIFIED IN OHIO

WHEAT:

<table>
<thead>
<tr>
<th>variety</th>
<th>release institution</th>
<th>classes</th>
<th>assessed royalty</th>
<th>royalty</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kokosing</td>
<td>OSU</td>
<td>R &amp; C</td>
<td>0.01/lb.</td>
<td></td>
</tr>
<tr>
<td>Malabar</td>
<td>OSU</td>
<td>R &amp; C</td>
<td>0.01/lb.</td>
<td></td>
</tr>
<tr>
<td>Sunburst</td>
<td>Sunbeam Extract</td>
<td>R &amp; C</td>
<td>0.0125/lb.</td>
<td></td>
</tr>
<tr>
<td>Starburst</td>
<td>KWS</td>
<td>R &amp; C</td>
<td>0.045/lb.</td>
<td></td>
</tr>
<tr>
<td>BARLEY:</td>
<td>Thoroughbred</td>
<td>Virginia Tech</td>
<td>R &amp; C</td>
<td>30 cents/unit</td>
</tr>
</tbody>
</table>

REMEMINDER FROM THE OSU OFFICE FOR TECHNOLOGY COMMERCIALIZATION AND KNOWLEDGE TRANSFER

The Office for Technology Commercialization and Knowledge Transfer at the Ohio State University reminds OSIA members that they are not to export seed of OSU Plant Variety Protected Act varieties unless their foreign buyer has a royalty license agreement from OSU. If you are unsure if a particular buyer has a license, please contact the university at 614-688-7991 or contact Angela Carter at carter.1306@osu.edu.
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 rigid inspections. The seed growers start out with high performing, known origin varieties which are given certification identification. The crops produced from these seeds are inspected by trained inspectors. The first, or field inspection is made of the growing crop to determine the vigor 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 guarantees 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 they purchase 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.
## 2019 OHIO WHEAT PERFORMANCE RESULTS

<table>
<thead>
<tr>
<th>Variety</th>
<th>Wood Yield Bu./Ac.</th>
<th>Wayne Yield Bu./Ac.</th>
<th>Darke Yield Bu./Ac.</th>
<th>Pickaway Yield Bu./Ac.</th>
<th>Summary Yield Bu./Ac.</th>
<th>Test Weight</th>
<th>Plant Height</th>
<th>Head Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>KOKOSING</td>
<td>68.9</td>
<td>87.3</td>
<td>81</td>
<td>95.9</td>
<td>83.3</td>
<td>54.6</td>
<td>38</td>
<td>141</td>
</tr>
<tr>
<td>STARBURST</td>
<td>74.1</td>
<td>85.4</td>
<td>75.6</td>
<td>93.4</td>
<td>82.1</td>
<td>55.8</td>
<td>31</td>
<td>143</td>
</tr>
<tr>
<td>SUNBURST</td>
<td>73.3</td>
<td>82.1</td>
<td>69.9</td>
<td>81.8</td>
<td>76.8</td>
<td>55.6</td>
<td>31</td>
<td>142</td>
</tr>
<tr>
<td>SY 100</td>
<td>87.1</td>
<td>93.8</td>
<td>82.1</td>
<td>97.1</td>
<td>90</td>
<td>51.9</td>
<td>33</td>
<td>144</td>
</tr>
<tr>
<td>SY 547</td>
<td>83.2</td>
<td>92.2</td>
<td>82.9</td>
<td>98.8</td>
<td>89.3</td>
<td>55.5</td>
<td>35</td>
<td>141</td>
</tr>
<tr>
<td>SY 576</td>
<td>84.3</td>
<td>90.7</td>
<td>79.9</td>
<td>98.7</td>
<td>88.4</td>
<td>54.4</td>
<td>35</td>
<td>145</td>
</tr>
<tr>
<td>SY VIPER</td>
<td>79.5</td>
<td>91.2</td>
<td>75.8</td>
<td>90.4</td>
<td>84.2</td>
<td>55</td>
<td>36</td>
<td>140</td>
</tr>
</tbody>
</table>

1All yield data from Ohio State University, Department of Horticulture and Crop Science, Series 228, July 2019
## Other Varietal Characteristics

<table>
<thead>
<tr>
<th>Variety</th>
<th>Release Information</th>
<th>Straw Strength</th>
<th>Test Weight</th>
<th>Winter Hardiness</th>
<th>Leaf Rust</th>
<th>Powdered Mildew</th>
<th>SGB%</th>
<th>Winter Wheat mosaic</th>
<th>Hessian Fly</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kokosing</td>
<td>2016-Ohio</td>
<td>Excellent</td>
<td>Avg.</td>
<td>Excellent</td>
<td>MR</td>
<td>MR</td>
<td>21.7</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Malabar</td>
<td>2008-Ohio</td>
<td>Good</td>
<td>Good</td>
<td>-</td>
<td>-</td>
<td>MS</td>
<td>6.7</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Starburst</td>
<td>2016-OSIA</td>
<td>Excellent</td>
<td>High</td>
<td>Excellent</td>
<td>R</td>
<td>R</td>
<td>6.7</td>
<td>S</td>
<td>-</td>
</tr>
<tr>
<td>Sunburst</td>
<td>2007-C.O.S.T.</td>
<td>Excellent</td>
<td>Excellent</td>
<td>R</td>
<td>R</td>
<td>6.7</td>
<td>-</td>
<td>MR</td>
<td>-</td>
</tr>
<tr>
<td>SY 100</td>
<td>Syngenta Seeds</td>
<td>-</td>
<td>-</td>
<td>S</td>
<td>MR</td>
<td>11.7</td>
<td>MS</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>SY 483</td>
<td>Syngenta Seeds</td>
<td>-</td>
<td>-</td>
<td>MS</td>
<td>MR</td>
<td>3.7</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>SY 547</td>
<td>Syngenta Seeds</td>
<td>-</td>
<td>High</td>
<td>Avg.</td>
<td>R</td>
<td>5</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>SY 576</td>
<td>Syngenta Seeds</td>
<td>-</td>
<td>-</td>
<td>R</td>
<td>MS</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>SY Viper</td>
<td>Syngenta Seeds</td>
<td>-</td>
<td>-</td>
<td>MS</td>
<td>MR</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

1 All yield data from Ohio State University, Department of Horticulture and Crop Science, Series 228, July 2017.

2 Other Varietal Characteristics are from July 2018.
100+ Years

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frenchs@frenchshybrids.com
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CERTIFICATION REGULATIONS

Planting Requirements:
- Foundation or Registered seedstock
- Eligible land

Field Inspection:
- Varietal purity, minimum: 99.9%

Laboratory Analysis:
- Other varieties or off-types, maximum: 0.1%

DESCRIPTIONS OF VARIETIES

Special Note: The variety descriptions are provided by the owner or originator of the variety. Ohio Seed Improvement Association does not guarantee the accuracy of their information, nor does it warrant the performance of all the variety(s)/brand(s) descriptions herein.

BRANSON
PVPA 1994

BRANSON is a soft red winter wheat bred and developed by AgriPro Wheat. Branson is a medium height semidwarf variety with good straw strength. Branson is moderately resistant to Septoria Leaf Blotch, Stripe rust, and Powdery Mildew. It has intermediate resistance to Soilborne Mosaic virus and Leaf rust. Primary adaptation is the wheat growing regions of Missouri, Illinois, Indiana, Michigan and Ohio. Branson has been uniform and stable since 2003. Less than 0.8% of the plants were rogued from the Breeders Seed increase in 2004. Approximately 90% of the rogued variant plants were taller height wheat plants (8 to 15 cm) and 10% were awned plants. AgriPro Wheat maintains seed stock and certified classes of Foundation, Registered and Certified. Certified seed stocks of Branson will be available in the fall of 2005.

KOKOSING

Kokosing (OH-08-206-69) is a 2016 Certified variety Ohio State University release. This is a non-protected variety whose yield performance on the average is 13 bu./acre higher than “Malabar” and “Bromfield”, three days earlier in maturity, and two to three inches shorter in height than both of the previously mentioned varieties. In addition, this variety has excellent foliar ratings as regards foliage health and good FHB resistance, strong straw strength and below average test weight. It is resistant to Powdery Mildew and Stagonospora leaf blotch and moderately resistant to Stripe Rust. This variety has tan colored chaff and is awnless. Kokosing is a three generation (F, R, &C) Certified variety with a royalty of $.01/lb. for Registered and Certified seed classes sold. Seed stock will be maintained by Ohio Foundation Seeds, Inc.
MALABAR

MALABAR (OH02-7217) is a soft red winter wheat variety developed by the Ohio Agricultural Research and Development Center and released to the Ohio Foundation Seeds organization for increase in the fall of 2007. This variety was released due to its adaptation to Ohio, outstanding tolerance to Fusarium Head Blight, and excellent resistance to lodging. In 23 trials Malabar yielded 3.8 bu./acre more than "Hopewell" and its test weight was 0.5 lbs./bu. greater. This new variety was 2nd in yield performance out of 25 entries tested in the 2007 Five State Yield Trial. Malabar is 1 to 2 inches taller than Hopewell and heads out about the same time. Malabar has tan chaff, is awnless, and has moderate resistance to Powdery Mildew and Stagonospora Leaf and Glume Botches. Malabar has an exceptional Fusarium Head Blight Index that is similar to that of the resistant check, Truman. Certified classes of seed will be Foundation, Registered and Certified.

STARBURST

STARBURST is an awnless soft red winter wheat bred by KWS and exclusively licensed to the Ohio Seed Improvement Association. It was developed specially for use in the extensive Great Lakes Region market. It is was released in 2017. Starburst is very short with excellent straw stiffness to respond well to higher N-input. It is a medium late maturing line with good winter hardiness. Starburst has very good resistance to powdery mildew, stripe rust and leaf rust, moderate resistance to Fusarium Head Blight and moderately susceptible to septoria leaf blotch and SBMV. The variety has shown up to 0.5% awnletted variant plants and up to 1% tall awned variant plants may be encountered in subsequent generations. Starburst is a three generation variety (F, R, & C) with application for Plant Variety Protection Act Title V. A royalty is due the originator.
SUNBURST
PVPA 1994
Title V - May be sold only as a class of Certified Seed

SUNBURST is a proprietary Certified soft red winter wheat (*Triticum aestivum* L.) developed by the Sunbeam Extract Company of Wooster, Ohio and is exclusively assigned to Central Ohio Seed Testing in 2008. Sunburst is widely adapted to the Eastern Corn Belt, more specifically to Ohio, Michigan, Pennsylvania, and parts of Canada. Sunburst is intended for general-purpose wheat market. Sunburst has blue-green head color, an erect-twisted flag leaf, short height, excellent straw strength, and is awnless. Green stage variants include: a combined total of .6% tall, awned, and or yellow-green heads. Sunburst was selected due to its excellent winter hardiness, excellent test weight, high yield potential, good scab resistance, and leaf stripe rust resistance. Ohio Foundation Seeds, Inc. will maintain breeder seed. No seed stock sales are permitted to non-licensed companies or to international firms without the permission of the owner of the variety. A license is required to produce seed of this variety. The Certified classes of seed will be Foundation, Registered, and Certified. Application for PVPA Title V will be made and the Certification option will be elected.

SY 007
PVPA 1994
Title V - May be sold only as a class of Certified Seed

SY 007 is a soft red winter common wheat bred and developed by Syngenta Seeds Inc. SY 007 was selected for average height, earlier than average maturity, above average appearance and average kernel soundness using a modified bulk breeding method. SY 007 has shown a medium early maturity, good test weight, and is medium in height. It has shown best adaptation to the primary wheat growing regions of southern IL, IN, KY, MO and Southern OH and the Del-Mar-VA region of the east coast. It is primarily adapted to a double crop rotation. SY 007 however may also perform well in areas north of I-70 where earlier varieties are sought.

SY 007 shows above average stripe rust and powdery mildew resistance, moderate resistance to septoria and soil borne mosaic virus. It shows moderate susceptibility to fusarium head blight and susceptibility to the races of leaf rust present in the primary area of adaptation.

Syngenta Seeds Inc. maintains seed stock and Certified classes of Foundation, Registered and Certified. Syngenta Seeds Inc. will maintain the variety by the head row method to produce breeder seed if needed. Plant Variety Protection is anticipated in 2013 and SY 007 my only be sold as a class of Certified seed. Certified acreage is not to be published by AOSCA and certifying agencies.
SOFT RED WINTER WHEAT

SY 100
PVPA 1994
Title V - May be sold only as a class of Certified Seed

SY 100 is a soft red winter common wheat bred and developed by Syngenta Seeds. SY 100 was selected for average height, average maturity, above average appearance and average kernel soundness produced as an F1 derived double haploid. SY 100 is well-adapted as to be a high yielding winter wheat in the Midwestern soft red wheat growing regions north of I-70 and in the Mid-Atlantic based on tests throughout the soft red wheat growing regions in the Eastern US. SY 100 has tested moderately resistant to stripe rust, powdery mildew, and barley yellow dwarf virus. It has tested moderately susceptible to FHB, soilborne mosaic virus, and Septoria. It is susceptible to leaf rust. Identifying characteristics include blue green leaf color at boot stage; recurved, twisted and waxy flag leaf at boot stage; white auricle color; yellow anther color; with apically awnletted awn type. Syngenta Seeds, Inc. maintains seed stock and certified classes of Foundation, Registered and Certified. Syngenta Seeds, Inc. will maintain the variety by the head row method to produce breeder seed as needed. Royalty fees are anticipated. Certified seed will likely be available for planting in the fall of 2016. Plant Variety Protection is anticipated in 2015 and SY 100 may only be sold as a class of certified seed. Certified acreage is not to be published by AOSCA and certifying agencies.

SY 483
PVPA 1994
Title V - May be sold only as a class of Certified Seed

SY 483 is a medium tall semidwarf variety and has white chaff at maturity. It has medium maturity and its heads the same time as W1377. SY 483 has shown best adaptation to the area north of Interstate 70 in the states of Illinois, Indiana, Ohio, Michigan, Wisconsin, Pennsylvania and also the Del-Mar-VA region of the eastern US. It has shown tolerance to powdery mildew, intermediate susceptibility to Fusarium, Septoria and leaf rusts in the area. SY 483 tests susceptible to Rhizoctonia in laboratory trials.

Juvenile growth habit is semi-erect. Plant color at boot stage is green. Anther color is yellow. Auricle anthocyanin and auricle hairs are present. Flag leaf at boot stage is erect and twisted. Head shape is tapering and awnletted. Glumes are short in length and midwide in width. Glume shoulder shape is oblique with an obtuse beak. Chaff color is white at maturity. Seed shape is ovate. Brush hairs on the seed are midlong in length and occupy a medium area of the seed tip. Seed depth is shallow and width is narrow. Seed cheeks are rounded.
SY 483 has been uniform and stable since 2010. Approximately 0.8% of the plants were rogued from the Breeder's seed increase in 2010. Approximately 95% of the rogued variant plants were taller height wheat plants (8 to 15 cm). Up to 1.0% variant plants may be encountered in subsequent generations.

Syngenta Seeds, Inc. maintains seed stock and certified classes of Foundation, Registered and Certified. Certified seed stocks of SY 483 will be available in the fall of 2013. Certified acreage is not to be published by AOSCA and certifying agencies and SY 483 may only be sold as a class of certified seed and all seed sales are royalty bearing.

SY 547
PVPA 1994
Title V - May be sold only as a class of Certified Seed

SY 547 is a soft red winter wheat bred and developed by Syngenta Seeds, Inc. and released in 2014. SY 547 was selected for average height, earlier than average maturity, above average appearance and average kernel soundness. This variety has shown a medium maturity, above average test weight, and is medium in height. SY 547 has also shown in a wide adaptation with above average check performance in the Great Lakes Region, Midwest, Mid-South, North east and Mid-Atlantic. The highest yield advantage has been in the double crop region of Southern IL.

SY 547 has tested above average resistance to powdery mildew, soilborne mosaic virus and Septoria nodorum. It has tested average tolerance to current races of stripe & leaf rust and Fusarium head blight. It is known to be moderately susceptible to barley yellow dwarf virus. Breeder seed increases were rogued, however up to 1.0% variant plants may be encountered in subsequent generations.

Syngenta Seeds, Inc. maintains seed stock and Certified classes of Foundation, Registered and Certified seed. Certified seed will be available in 2015. Plant Variety Protection is anticipated in 2014 and SY 547 may only be sold as a class of Certified seed. Certified acreage is not to be published by AOSCA and certifying agencies.
SY 576

SY 576 is a soft red winter wheat bred and developed by Syngenta Participations AG. SY 576 was selected for grain yield, test weight, maturity, appearance, and disease resistance. SY 576 is primarily adapted to the northern Indiana, southern Michigan, and western Ohio in the Upper Midwest, and the Mid-Atlantic region. SY 576 has shown high levels of resistance to both leaf and strip rust, while also exhibiting moderate resistance to fusarium head blight. It is moderately susceptible to both soil borne mosaic virus and powdery mildew. Identifying characteristics include an awned head type. Syngenta Seeds, LLC maintains seed stock and Certified classes of Foundation, Registered and Certified. Plant Variety Protection is anticipated in 2019 and SY 576 may only be sold as a class of Certified seed.

SY VIPER

SY VIPER is a soft red winter common wheat bred and developed by Syngenta Seeds. SY Viper was selected for plant height, medium maturity, and general desirable phenotype. SY Viper has been tested and found to be adapted throughout the winter wheat growing regions of southeast Missouri, eastern Arkansas, western Tennessee and Kentucky, the “Delta” region of Mississippi, north Louisiana, eastern North Carolina, and northeastern South Carolina. SY Viper has shown moderate resistance to the current races of powdery mildew and moderate susceptibility to the current races of leaf rust in area of adaptation. Identify characteristics include an awnleted awn head type. Syngenta Seeds Inc. maintains seed stock and Certified classes of Foundation, Registered and Certified. Plant Variety Protection is anticipated in 2015 and SY Viper may only be sold as a class of Certified seed.
## SOURCES FOR 2019 PLANTING

### FOUNDATION SEED

<table>
<thead>
<tr>
<th>Source</th>
<th>Acres</th>
<th>Cert.</th>
</tr>
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<tbody>
<tr>
<td>OHIO FOUNDATION SEEDS, INC., LICKING CO.</td>
<td></td>
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<tr>
<td>KOKOSING</td>
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<tr>
<td>STARBURST</td>
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<tr>
<td>SUNBURST</td>
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<td><strong>Total</strong></td>
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### BRANSON

*PVPA 1994*

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

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<tr>
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### KOKOSING

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### MALABAR

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### STARBURST

*PVPA 1994*

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

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<td>B. F. WALTON &amp; SONS SEED CO., WYANDOT CO.</td>
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<td>BRUBAKER GRAIN &amp; CHEMICAL, MONTGOMERY CO.</td>
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<td>CLEVER FARMS, INC., LICKING CO.</td>
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<td>HADLEY SEED FARM, MERCER CO.</td>
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<td>LELAND WALKER &amp; SONS SEEDS, HIGHLAND CO.</td>
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</table>

**SY 007**

**SY 483**

**SY 547**

**SY 576**

**SY VIPER**
WINTER BARLEY

CERTIFICATION REGULATIONS

Planting Requirements:
  Foundation or Registered seedstock
  Eligible land

Field Inspection:
  Varietal purity, minimum 99.9%

Laboratory Analysis:
  Other varieties or
  off-types, maximum 0.1%

DESCRIPTONS OF VARIETIES

PUFFIN
Licensed Variety

PUFFIN is a two-rowed proprietary winter malting barley exclusively licensed in 2017 to Ohio Crafted Malt House LLC, by Limagrain Cereal Seeds. It is derived from the cross ('Athos' × 'Maris Otter') × 'Igri' and was developed by The Miln Marsters Group, Kings Lynn, Norfolk UK, and released in 1987. It has been tested in Ohio each year beginning 2010–2011. Winter-hardiness in Ohio is superior to that of U.S. two-row winter malting barley varieties Charles and Endeavor. Puffin has strong straw and is capable of producing good yields. It has resistance to Yellow and Brown rust, but is susceptible to Mildew and Net Blotch. It has medium maturity being similar to “Maja”, but two days later than “Thoroughbred”. Puffin has medium length rachilla hairs, awns longer than grain head, a semi-erect flag leaf, and a plant height of 37-39 inches at Wooster, Ohio. Other characteristics include medium to strong pigment color on the lower leaf sheaths, flag leaf auricle and awn tip. Leaf color is medium green. Puffin is a three generation variety (F,R,C). The originator specifies that Certified seed classes sold can only be used for producing grain for malting or feed purposes and grain is not to be planted or used as non-Certified seed. A license is required for seed production.
THOROUGHBRED
U.S. Protected Variety
Title V - May be sold only as a class of Certified Seed

THOROUGHBRED is a high yielding, full season, awned, six-row hulled winter feed barley having very good straw strength, high test weight and bright plump seed. On average, head emergence of Thorougbred is 2 days later than Wysor, 4 days later than Nomini and Price, and 6 days later than Callao. Average plant height is 3-4 inches taller than Callao and Price, and 3-4 inches shorter than Wysor and Nomini. Straw strength is similar to those of Price and Nomini, and better than those of Wysor and Callao. As a feed grain and rotational crop, Thoroughbred is superior to Nomini and Callao. Thoroughbred is resistant to powdery mildew and barley yellow dwarf virus. It is moderately susceptible to leaf rust and net blotch. This variety has three classes (F, R & C) and has a thirty cent/unit royalty.
## SOURCES FOR 2019 PLANTING

### FOUNDATION SEED

<table>
<thead>
<tr>
<th>Source</th>
<th>Reg.</th>
<th>Cert.</th>
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<tr>
<td>OHIO FOUNDATION SEEDS, INC., LICKING CO.</td>
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<td>DKG SEED FARMS, WAYNE CO.</td>
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<td>THOROUGHBRED</td>
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### PUFFIN

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### THOROUGHBRED

U.S. Protected Variety
Title V - May be sold only as a class of Certified Seed

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<tr>
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✓ Seed Count
✓ Tetrazolium
✓ Purity
✓ Noxious Weed Seed Exam

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FAX: (614) 889-8979
http://www.ohseed.org

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CERTIFICATION REGULATIONS

Planting Requirements:
Foundation or Registered seedstock
Eligible land
Isolation distance of 660 ft. required

Field Inspection:
Variatel purity, minimum 99.9%

Laboratory Analysis:
Other varieties or off-types, maximum 0.1%

DESCRIPTIONS OF VARIETIES

SPOONER

Spooner is a high yielding winter rye (diploid) released by the University of Wisconsin-Madison in 1992. Grain yields and test weight exceed those of Hancock. Spooner heads about 1 day earlier than Hancock and has excellent winter hardiness. Spooner is tall, averaging about 3 inches taller than Hancock, but lodging less than Hancock. Kernels wheat-like in color predominate. Due to PVPA expiration on this variety the originator now allows production of the Registered class in states with the (R) class system. Classes allowed are (F, R & C).

SOURCES FOR 2019 PLANTING

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<tr>
<th>SPOONER</th>
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SPELT

CERTIFICATION REGULATIONS

Planting Requirements:
- Foundation or Registered seedstock
- Eligible land

Field Inspection:
- Varietal purity, minimum 99.9%

Laboratory Analysis:
- Other varieties or off-types, maximum 0.1%

DESCRIPTIONS OF VARIETIES

COMET
Limited to two generations - Foundation and Certified

COMET is easily distinguishable from Oberkulmer, Champ, Maverick and Sungold due to its extreme shortness of stature, its earliness, and its cream or off-white chaff color. Comet has averaged twenty inches shorter than Oberkulmer and about twelve inches shorter than Maverick or Sungold. It averages about the same date of heading as Maverick and is several days earlier than Oberkulmer and Champ. The cultivar appears well adapted to Midwest growing conditions. Late seedings of increases indicate the cultivar has excellent winter hardiness. Comet appears to have very high protein content, averaging 1.5% higher than Oberkulmer (whole grain) in tests prior to 1998. This cultivar is exclusively licensed to French's Hybrids as a royalty bearing variety.

MAVERICK
Limited to two generations - Foundation and Certified

MAVERICK is easily distinguishable from Oberkulmer and Champ in that it is white chaffed at maturity. Maverick is several days earlier and several inches shorter in height than Champ. Maverick exhibits much improved winter survival over other varieties as well as improved test weight. Protein contents are very acceptable and baking qualities are superior to Oberkulmer. In five years of testing, Maverick has nearly a 9 bushel per acre yield advantage over Oberkulmer. This line appears well adapted to Midwest growing conditions and has performed very well in trials in the upper Midwest and Canada. This cultivar is exclusively licensed to French's Hybrids, Inc. as a royalty bearing variety.
SAMMY
Limited to two generations - Foundation and Certified

SAMMY is a two generation exclusively licensed to Rupp Seeds, as a royalty bearing variety for marketing in the U.S. The variety is much earlier in heading data than either "Oberkulmer" or "Sava". Sammy is shorter than Oberkulmer, but similar to Sava in plant height. Sammy is much improved to both Oberkulmer and Sava in lodging resistance. The variants found in Sammy are less than 1% awned plants. Sammy has a lax head that is tapering in shape. Tip awns are present and are generally between 1 and 2 inches in length. Plant color at maturity is light to medium brown. When compared to the spelt variety "Maverick", Sammy differs in chaff color, being described as "light to medium brown" while Maverick is described as "white", has longer tip awns and wider, shorter, glumes. Sammy appears well adapted to growing conditions found throughout the Midwest and should be an important addition to the spelt genotypes available for production in the future.

SONIC
Limited to two generations - Foundation and Certified

SONIC was released in 2014 by the Sunbeam Extract Company of Indiana for marketing in the U.S. primarily as a forage cultivar to be grown in the Eastern states. It is intended to replace the old European cultivar, Oberkulmer Rottkorn. While no forage yields of Sonic or Oberkulmer are available, Sonic is expected to equal or out yield Oberkulmer Rottkorn in forage production due to its equal height, more vigorous growth habit and improved disease resistance. Since Sonic is intended for use as a forage crop, grain yield is important only to the sole licensee. Sonic appears to be a very stable, uniform, and pure cultivar as observed by the originator over a period of several years. Few off-types have been observed. This cultivar has been exclusively licensed to French's Hybrids, Inc. of Wakeman, Ohio as a royalty bearing cultivar.

SUNGOLD
Limited to two generations - Foundation and Certified

SUNGOLD is easily distinguishable from Oberkulmer, Champ, and Maverick, the only other spelt cultivars currently certified since it has a medium brown chaff color. Sungold is also several days earlier to head than Oberkulmer and Champ, but about three days later in heading than Maverick. Sungold is also several inches shorter than Oberkulmer and Champ, being about the same height as Maverick. The cultivar appears well adapted to Midwest growing conditions and has also performed well in Montana and Canada. This cultivar is exclusively licensed to French's Hybrids, Inc. as a royalty variety.
# SOURCES FOR 2019 PLANTING

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<td>COMET</td>
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<td>SONIC</td>
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<td>SUNGOLD</td>
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<tr>
<td>RUPP SEEDS, INC, FULTON CO</td>
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<tr>
<td>SAMMY</td>
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</table>
The triticale variety "NT09423" is a new University of Nebraska release. It is a hexaploid, winter type triticale that is rated as very late for its maturity, being one day later the NE4227. Plant height is rated short at 114 centimeters.

The plant color at boot stage is green. Anthocyanin is absent on the stem. Stem neck shape is described as straight. The flag leaf is twisted and waxy bloom is present on the leaf at boot stage. Leaf carriage is upright and the auricle color is described as white or colorless. The grain head is mid-dense, fusiform in shape and awned. Awn color is tan and the seed color is amber. Performance data indicates the variety has good winter hardiness. NT09423 is a three generation variety (F, R, C).

FLEX 719
FLEX 719 is an awnleted winter triticale developed by Northern Agri-Brands LLC. Flex 719 was selected for its awn length, lodging resistance, substantially higher seed yield, and high silage forage yield. Flex 719 possess excellent lodging tolerance. Identifying characteristics are early maturity and awnleted. Recognized classes are breeder, Foundation, Registered and Certified Northern Agri-Brands. Application for Plant Variety Protection is anticipated in 2017.

NT09423
Title V - PVPA Protection to be Applied For

The triticale variety “NT09423” is a new University of Nebraska release. It is a hexaploid, winter type triticale that is rated as very late for its maturity, being one day later the NE4227. Plant height is rated short at 114 centimeters.
SURGE is an awnless facultative triticale that was developed by Northern Agri-Brands LLC. Surge was selected for its awnless character, and respectable late boot stage silage yield. Surge has been tested and found to be adaptive to Pacific Northwest region of the U.S. including Washington and Idaho as well as adaptive to Wisconsin. Surge possesses excellent pre-dough forage quality. Identifying characteristics include very later maturity and awnless spikes. Recognized classes are Breeder, Foundation, Registered and Certified. Application for Plant Variety Protection is anticipated in 2017 and the Title V option will NOT be taken.

SOURCES FOR 2019 PLANTING

ACRES
Reg. Cert.

FLEX 719

WALNUT CREEK SEED, LLC, FAIRFIELD CO. ................. 20.0
TOTAL: .............................................................................. 20.0

NT09423

U.S. Plant Variety Protection Applied for

DKG SEED FARMS, WAYNE CO. ......................... 24.0
OHIO FOUNDATION SEEDS, INC., LICKING CO. ......................... 12.0
TOTAL: ........................................................................ 12.0 24.0

SURGE

WALNUT CREEK SEED, LLC, FAIRFIELD CO. .............. 47.0
TOTAL: .............................................................................. 47.0
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. (Straw or Straw and Hay).

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
John Branstool Farm
2420 Debolt Rd. Utica, Ohio 43080
Knox Co. ................................................................................................................. (614)315-5944
Needs Farms LLC
290 Baltimore Somerset Rd. NE, Baltimore, OH 43105
Knox Co. ...............................................................................................................(740)490-5762
QM Straw
341 King Road, Martinsville, OH 45146
Clinton Co. ........................................Fax: (937)685-2881 .................(937)685-2132
Straw for Sale Ohio Inc.
2657 Election House Rd. NW, Lancaster, OH 43130
Fairfield Co. ........................................Fax: (740)654-2925 .................(740)974-8112
The following Identity Preserved (IP) Grain Program is available from OSIA Active and Limited members. This program provides an unbiased, third party, quality control traceability program beginning with a specific Certified, Quality Assurance or brand variety. The comprehensive system includes field inspection, post-harvest laboratory testing and post season grow-out testing for value added 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 specialty commodity or variety, use of extensive record keeping, field inspection, and post-harvest testing validating the end users or applicant’s specifications.

Participation in this program is voluntary and illustrates these companies’ efforts to use effective quality control in value added grain production, conditioning, and marketing. The services and records generated under this system provide quality surveillance for every customer and can be used as a “Block Chain” program.

OSIA’s IP program is officially sanctioned and Trademarked by the Association of Official Seed Certifying Agencies (AOSCA). Permission to use the logo on tags, certificates or on the final product can be obtained from OSIA on a fee basis. For more information regarding specific products produced under the IP program, please contact the participating company or OSIA.
The following companies have produced seed under the Quality Assurance Program. This program provides an unbiased quality control system of field inspection and laboratory testing for varieties, brands, and blends.

Seed carrying the green "QA" tag has met the minimum genetic standards of not more than 0.5% off-type plants or seeds based on the breeder's agronomic description.

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.

BRUBAKER GRAIN & CHEMICAL, MONTGOMERY CO.
BG101

DKG SEED FARMS, WAYNE CO.
LION

HIRZEL FARMS, WOOD CO.
LCS 3334

OHIGRO, INC., MARION CO.
AGI BOLT

REITERMAN SEED FARMS, PICKAWAY CO.
LION
QUALITY ASSURANCE PROGRAM

WHEAT (SRW)

RIKER FARM SEED CO., WOOD CO.
AGI 215B
AGI 217B

RUPP SEEDS, INC., FULTON CO.
RS902
RS918
RS961
RS968
RS9XP919

SCHWARTZ FARMS, TRUMBULL CO.
AGI 217B
AGRIMAXX 454
AGRIMAXX 473

THOMPSON SEED FARM, INC., ALLEN CO.
BRAWNY
L11434

— INFORMATION ONLY —

H. W. MARTIN & SON CO., LICKING CO.
AGI 307

HISER SEEDS LLC., ROSS CO.
H-32
L11434
L-214

LUCKEY FARMERS, INC., SANDUSKY CO.
JAVELIN
KEYSTONE
LEGEND

OHIO CRAFTED MALT HOUSE, LLC, FRANKLIN CO.
PUFFIN
OHIO FOUNDATION SEEDS, INC., LICKING CO.
JM1515
JM1516
JM1517
JM1518
JM1519
JM1520
JM1521
JM1522
JM1523
JM1524
JM1525
JM4008
KWS191
KWS207
KWS213
KWS235
KWS236

POND SEED COMPANY, VANWERT CO.
AGI 114
AGI 217B

R FARM, PICKAWAY CO.
AGI 217B
AGI 308

REITERMAN SEED FARMS, PICKAWAY CO.
AGI 109B

SCHLESSMAN SEED CO., ERIE CO.
AVATAR
AVERY
HOOVER
RUBY

UTZ SEED FARMS, INC., CRAWFORD CO.
AGI 114
AGI 217B
UTZ SR1
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.

SEEDTREATMENT - 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. He is interested in your welfare.

PLS (PURE LIVE SEED) - is the percentage of pure seed that will germinate. It is determined by multiplying the percent of pure crop seed times the germination percentage and dividing by one hundred.
Ohio Farmers Stay in the Lead through Research and Development

The last few years have seen the introduction of new high-yielding wheat varieties by the Ohio Agricultural Research and Development Center. These varieties are providing Ohio farmers with the means to increase yield significantly through superior genetic potential.

Ohio Seed Improvement Association Supports Varietal Development Research

Such improvements in genetic ability and yield potential come only through years of making crosses, observation, study and selection. Such meticulous research also requires tremendous monetary support. For over fifty years, the Ohio Seed Improvement Association has contributed significantly to varietal development research.

Over the past fifty years the association has donated over $1,000,000 to keep the program moving forward. These dollars hire much needed equipment and technicians who assist in all aspects of the work. Crossing, planting, observation, testing, harvesting and packaging the seeds require skilled help. OSIA contributions help keep the program moving ahead.

Ohio Certified Seed Means Progress
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

Variety/Brand Descriptions
The descriptions are provided by the grower 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 www.ohseed.org.
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. Members are also required to notify OSIA if their field(s) have not been inspected prior to harvest.