

# MISSOURI SEED DIRECTORY

## 2020 FALL



**For Fall Seeded Crops**

**Winter Barley**

**Hard Red Winter Wheat**

**Soft Red Winter Wheat**

**Winter Triticale**

**THE MISSOURI CROP IMPROVEMENT ASSOCIATION**

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**Columbia, MO 65201-7600**

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## FOREWORD

All producers listed in this directory have affirmed that seed planted on fields for which certification was requested was foundation, registered or certified. The history of all such seed has been checked through the records of the Missouri Crop Improvement Association and all fields examined prior to harvest by a competent inspector. Final certification requires seed to be conditioned and a certified tag or certificate to be attached to each bag, container or bulk storage unit. More detailed information describing an individual source may be obtained from the producer or the MCIA office.

Certification may be completed by the producer, or if desired, he may have the seed conditioned by an Approved Certified Seed Conditioner and stored to await final sampling and certification.

Seed from fields that have met the requirements for field inspection may be transferred in bulk (unconditioned form) only after formal approval is granted by the Missouri Crop Improvement Association. Please contact the MCIA office for the appropriate transfer forms. All Missouri certified seed must be conditioned by a MCIA approved conditioning facility.

### 2020 Officers and Staff Missouri Crop Improvement Association

President .....	Rennie Davis, Vandalia
Vice President .....	E. L. Reed, Chillicothe
Director .....	Thomas Lee, Columbia
Director .....	Lynn Andrews, Carthage
Director .....	Pam Rowland, Dudley
Director .....	Eddie Hoff, Boonville
Director .....	Kevin Mainord, East Prairie
Director .....	Bruce Strobel, Concordia
Director .....	Dan Weber, Marshall
Executive Director / Secretary-Treasurer.....	Richard Arnett, Columbia
Assistant Director / Field Services Manager .....	Mark Quisenberry, Columbia
RST / Laboratory Services Manager .....	Trent Hall, Columbia
Laboratory Supervisor .....	Marshall Reidlinger, Columbia
Laboratory Technician .....	Robin Crane, Columbia
Laboratory Technician .....	Brianne Taylor, Columbia

### Purpose of Seed Certification

The purpose shall be to maintain and make available seed and propagating material of varieties so grown and distributed as to insure genetic purity and identity. To accomplish this, the Missouri Crop Improvement Association has adopted a limited generation program of seed certification that encompasses four recognized classes of seed; Breeder, Foundation, Registered and Certified.

Breeder's seed is original seed of a variety developed by the originator which remains in his/her control. Foundation seed is the progeny of Breeder's seed. Registered seed is the progeny of Foundation seed. Certified seed may be the progeny of either Foundation or Registered seed. The limited generation system means that Certified seed should not be more than three generations removed from original Breeder's seed.

Certified seed may not be re-certified, except for varieties where Foundation seed is no longer maintained or in the event an emergency is declared stating there is inadequate Foundation or Registered seed supplies to plant the needed acreage of a variety.

## **Authority**

The Missouri Crop Improvement Association is designated annually as the official seed certifying agency for the State of Missouri by the Director of the Missouri Agricultural Experiment Station as provided for in Section 266.095 of the Missouri Seed Law.

## **Eligibility Requirements**

The Missouri Crop Improvement Association will accept as eligible for certification any variety which:

1. Is released by the Missouri Agricultural Experiment Station and meets all Federal Seed Act requirements
2. Is recommended by the National Crop Variety Review Board
3. Is approved by the Plant Variety Protection Office and meets all Federal Seed Act requirements
4. Has been accepted for certification by a member agency of AOSCA and meets all Federal Seed Act Requirements
5. Meets all Federal Seed Act requirements and is determined to be eligible by the MCIA Certification Committee

## **Production**

All Missouri Certified Seed is produced under the guidelines established by the MCIA Board of Directors for the production of Certified seed and adheres to the quality standards as published in the Missouri Seed Certification handbook. Only qualified producers approved by the MCIA Board of Directors are eligible to produce Missouri Certified Seed.

## **Inspection**

All seed sold as Certified must meet the published standards for both field inspection and laboratory testing. Each production field of Missouri Certified Seed will be inspected one or more times in the field prior to harvest by a competent, qualified inspector. Each seed lot of Missouri Certified Seed will be inspected in the laboratory after conditioning to determine that the seed meets the minimum varietal purity and mechanical (germination, pure seed, etc...) standards established for that crop.

## **Labeling**

An official tag or label of the MCIA must be attached to each container of seed sold as Certified. If Certified seed is sold in bulk form, an official certificate from the MCIA must accompany the seed at the time of sale. Seed should not be accepted as Certified without an official label or certificate, regardless of the claims of the seller.

## **QUALITY ASSURANCE PROGRAM (QA)**

The Quality Assurance (QA) program is a service offered to MCIA members that mirrors the official certification program for cultivars that have not been approved for production as certified seed or do not meet certification eligibility requirements. MCIA's QA program provides independent, unbiased, third-party field inspection and laboratory testing for cultivars that are not eligible to be produced within the normal certification process. Listing in this directory implies that the seed is eligible to be tagged with an official MCIA QA tag or label. Please refer to the label for the exact status of the seed. For additional information on the QA program, please contact the MCIA office.

## **Protected Varieties Produced in Missouri**

The following list contains varieties applied for certification or quality assurance inspection in Missouri for which the owner has applied and/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 originator has invoked U.S. Plant Variety Protection may be sold by variety name only.

This is not a complete listing of all protected varieties, only those varieties for which certification or quality assurance inspection by the Missouri Crop Improvement Association has been applied for. A complete listing of all protected varieties may be obtained by contacting:

USDA/AMS/PVP  
National Agricultural Library Building  
Beltsville, MD 20705  
[www.ars-grin.gov/cgi-bin/npgs/html/pvplist.pl?](http://www.ars-grin.gov/cgi-bin/npgs/html/pvplist.pl?)

### **Soft Red Winter Wheat**

Hilliard	Liberty 5658
Oakes	Pioneer Brand 26R10
Pioneer Brand 26R36	Pioneer Brand 26R41
Pioneer Brand 26R45	Pioneer Brand 26R59
Roane	SY 547
SY Richie	SY Viper
Truman	

### **Hard Red Winter Wheat**

Zenda

### **Winter Barley**

Atlantic  
Secretariat

The purpose of this booklet is to provide producers with a convenient reference of the sources of Certified and/or Quality Assurance seed. For additional copies or information not provided in this booklet, please contact:

Executive Director  
Missouri Crop Improvement Association  
3211 Lemone Industrial Blvd.  
Columbia, MO 65201-7600

Phone (573) 449-0586  
Fax (573) 874-3193  
E-mail [moseed@aol.com](mailto:moseed@aol.com)  
Internet [www.mocrop.org](http://www.mocrop.org)

## Alphabetical Listing of Producers

### **Andrews Farm & Seed**

Lynn Andrews  
5505 Locust Road  
Carthage, MO 64836  
(417) 246-5510

### **Chestnut Corner Farms**

Pat Clark  
13982 Hwy 139  
Sumner, MO 64681  
(559) 284-7669

### **Davis Seed Farms Inc.**

Rennie Davis  
45339 Audrain 548  
Vandalia, MO 63382  
(573) 594-3222

### **Deimeke Seed LLC**

Scott Deimeke  
11357 Hwy 54  
Ladonia, MO 63352  
(573) 473-2346

### **Dorroh Seed & Supply Company**

Lawrence Dorroh  
2501 Hwy. 84 East  
Hayti, MO 63851  
(573) 359-2222

### **El-Par Seeds**

Jim Elliott  
18254 Providence Road  
Versailles, MO 65084  
(573) 378-4540

### **Ferguson Seed Farms**

Steve Ferguson  
764 County Road 239  
Glasgow, MO 65254  
(660) 338-5105

### **Gemeinhardt Seeds**

Kevin Mainord  
411 South Hwy 75  
East Prairie, MO 63845  
(573) 649-7903

### **Gremaud Ag & Resources**

Tim Gremaud  
287 Raccoon Road  
Perryville, MO 63775  
(573) 547-7214

### **Hoff Farms**

Eddie Hoff  
208 Highland Drive  
Boonville, MO 65233  
(660) 621-2548

### **Ken-Mo Agri Center Inc**

John Gamble  
805 Homecrest  
Kennett, MO 63857-0653  
(573) 820-2173

### **Ken Tevis Seed**

Ken Tevis  
19588 Tevis Road  
Hughesville, MO 65334  
(660) 460-0648

### **Kincaid Seed Company**

Jaret Kincaid  
15508 Thorn Road  
Jasper, MO 64755  
(417) 394-3100

### **Kinley Miller Farms**

Kinley Miller  
12531 Lee Town Road  
Pea Ridge, AR 72751  
(479) 451-1191

### **Knipp Seed Company**

Leroy Knipp  
72413 Seed House Road  
Tipton, MO 65081  
(660) 433-2353

### **Krause Seeds**

Steve Krause  
PO Box 688  
Concordia, MO 64020  
(660) 463-7333

**Lakeview Farms**  
Verlin Shrock  
44200 Hwy. BB  
Middletown, MO 63359  
573-253-6625

**William E. Metzgar**  
10602 Keystone Dr.  
Mound City, MO 64470  
(660) 442-3964

**Missouri Foundation Seeds**  
Rick Hofen  
3600 New Haven Road  
Columbia, MO 65201  
(573) 884-7333

**Midwest Fertilizer**  
Merv Bellich  
154 South Main  
Metz, MO 64765  
(417) 484-3212

**Parsons Seed Cleaning**  
Paul Parsons  
3394 Isaac Miller Trail  
Albany, MO 64402  
(660) 726-3774

**Paulsmeyer Farm Seeds**  
Glenn Paulsmeyer  
425 Paulsmeyer Road  
Silex, MO 63377  
(573) 656-3346

**Service & Supply CO-OP**  
Randy Rodgers  
22 CO-OP Avenue  
New Florence, MO 63363  
(573) 835-2485

**Simplot Grower Solutions**  
Victor Kerperien  
17355 Hwy 412 West  
Walnut Ridge, AR 72476  
(870) 573-6353

**Stoddard County Seed Service**  
Pam Rowland  
11573 State Hwy. TT  
Dudley, MO 63936  
(573) 624-6666

**Stratton Seed Company**  
Heath North  
200 W Russell  
Anniston, MO 68320  
(573) 649-3520

**Strobel Seed**  
Bruce Strobel  
1173 NE 1075  
Concordia, MO 64020  
(660) 463-2895

**Syngenta Seeds LLC - AgriPro**  
Steve Axelson  
PO Box 30  
Berthoud, CO 80513  
(970) 309-0316

**Tanner Seed Company**  
Zack Tanner  
2893 County Road 675  
Bernie, MO 63822  
(573) 276-2286

**Weber Seeds**  
Dan Weber  
29761 E. Hwy. 41  
Marshall, MO 65340  
(660) 886-9998

## WINTER BARLEY

**ATLANTIC** (1994 PVP Protected) is a high yielding, moderately early heading (average 6 days earlier than Thoroughbred), semi-awned variety released by Virginia Tech University. It is a short stature (average 33”), six-row variety with good winter hardiness and high test weight. Atlantic is resistant to powdery mildew and moderately resistant to leaf rust.

Certified Class

Kincaid Seed Company

Jasper, MO

(417) 394-3100

**SECRETARIAT** (1994 PVP Protected) is a six-row hulled variety that is high yielding with high test weight. It is a moderately early heading variety with short plant height, good winterhardiness and short awns. Secretariat is resistant to most prevalent barley diseases but is susceptible to fusarium head blight (scab).

Certified Class

El-Par Seeds

Kincaid Seed Company

Versailles, MO

Jasper, MO

(573) 378-4540

(417) 394-3100

## HARD RED WINTER WHEAT

**ZENDA** (1994 PVP Protected) is a medium-early, medium height variety that has moderate resistance to stem, stripe and leaf rust. It also has good acid soil tolerance and is resistant to soilborne mosaic virus. Zenda will have similar resistance to Fusarium head blight (scab) as Everest but will be slightly more susceptible to barley yellow dwarf.

Registered Class

William E. Metzgar

Mound City, MO

(660) 442-3964

Certified Class

William E. Metzgar

Mound City, MO

(660) 442-3964



## SOFT RED WINTER WHEAT

**AGRI MAXX 415** is an awned variety that averages 37" in height with medium maturity. It scores 10 for standability, 8 for double crop suitability, 8 for winter hardiness, 10 for test weight, 8 for septoria glume blotch resistance, 8 for leaf rust resistance, 9 for stripe rust resistance, 9 for head scab resistance, 8 for septoria leaf blotch resistance and 8 for powdery mildew resistance on a scale of 1-10 with 10 being excellent.

Quality Assurance Class

Andrews Farm & Seed

Carthage, MO

(417) 246-5510

**AGRI MAXX 463** is an awnless variety with early maturity and medium short height. It scores 9 for double crop suitability, 10 for standability, 8 for winter hardiness, 7 for test weight, 8 for septoria glume blotch resistance, 8 for leaf rust resistance, 9 for stripe rust resistance, 10 for head scab resistance, 8 for septoria leaf blotch resistance and 8 for powdery mildew resistance on a scale of 1-10 with 10 being excellent.

Quality Assurance Class

Weber Seeds

Marshall, MO

(660) 886-9998

**AGRI MAXX 473** is an awned variety medium early maturity with medium height. It scores 9 for double crop suitability, 8 for winterhardiness, 9 for test weight and 9 for lodging. Agri Maxx 473 scores 10 for head scab resistance, 9 for leaf and stripe rust resistance and 9 for powdery mildew resistance on a scale of 1-10 with 10 being excellent.

Quality Assurance Class

Weber Seeds

Marshall, MO

(660) 886-9998

**AGRI MAXX 475** is an awned variety with medium short height (84cm average), recurved/twisted flag leaf at boot stage, yellow-green plant color, yellow anthers and tan glumes at maturity. It has acceptable milling and baking qualities.

Quality Assurance Class

Weber Seeds

Marshall, MO

(660) 886-9998

**AGRI MAXX 490** is an awned variety that averages 37" in height with very early maturity. It scores 8 for standability, 10 for double crop suitability, 8 for winter hardiness, 10 for test weight, 8 for septoria glume blotch resistance, 8 for leaf rust resistance, 6 for stripe rust resistance, 8 for head scab resistance, 8 for septoria leaf blotch resistance and 7 for powdery mildew resistance on a scale of 1-10 with 10 being excellent.

Quality Assurance Class

Weber Seeds

Marshall, MO

(660) 886-9998



**K-7102SRW** is an awned head variety with moderately short height and moderately early maturity. It rates 8 for lodging, 7 for test weight, 8 for winterhardiness, 8 for Fusarium head blight (scab) resistance, 8 for barley yellow dwarf virus resistance, 7 for *Septoria* glume blotch resistance, 7 for leaf rust resistance, 8 for stripe rust resistance, 6 for *Septoria* leaf blotch resistance, 6 for powdery mildew resistance and 7 for soil borne mosaic virus resistance on a scale of 1-9 with 9 being best and 1 being worst.

Quality Assurance Class

Krause Seeds Concordia, MO (660) 463-7333

**K-9102SRW** is an awnletted variety with medium height. It has a mid-season maturity and good test weight. K-9102 is resistant to stripe rust & septoria glume blotch and has tolerance to leaf rust and stem rust.

Quality Assurance Class

Krause Seeds, Inc. Concordia, MO (660) 463-7333

**KINGRAZER** is an awnletted, moderately tall variety with early maturity. It is moderately resistant to leaf rust, barley yellow dwarf virus, *Septoria tritici* and is moderately susceptible to soil borne mosaic virus, stripe rust and *Fusarium* head blight (scab). Kingrazer exhibits good winter hardiness, has good straw strength and good tillering capacity.

Quality Assurance Class

Andrews Farm & Seed Carthage, MO (417) 246-5510

**KSC 1171** is an awned variety with medium height. It has an early maturity, good straw strength and good test weight. KSC 1171 has excellent tolerance to stripe rust, leaf rust, mildew and septoria. It has average tolerance to fusarium head blight (head scab).

Quality Assurance Class

Kincaid Seed Company Jasper, MO (417) 394-3100

**KSC 1172** is a high yielding, medium-full season maturity, awned variety with excellent straw strength and above average test weight that averages 35" in height. It has good tolerance to stripe rust, powdery mildew, *Septoria tritici*, glume blotch and soil borne mosaic virus. KSC 1172 is considered moderately tolerant to leaf rust and *Fusarium* head blight (scab).

Quality Assurance Class

Kincaid Seed Company Jasper, MO (417) 394-3100

**L11741** is a smooth-head variety with ultra-early maturity, above average test weight and good straw strength that averages 36" in height. It scores 6.0 for stripe rust, 3.0 for powdery mildew, 1.8 for head scab, 2 for septoria tritici and 3.0 for leaf rust on a scale of 1-9 with 1 being most resistant.

Quality Assurance Class

Missouri Foundation Seeds Columbia, MO (573) 884-7333

**LIBERTY 5658** is a semi-dwarf, awned variety with medium maturity that averages 30-36” in height. It has moderate to high levels of resistance to powdery mildew, leaf rust, stripe rust, stem rust, leaf blotch, glume blotch barley yellow dwarf, wheat spindle streak and fusarium head blight (head scab). Liberty 5658 is susceptible to Hessian fly biotypes B,C,D,O & L.

Foundation Class

Missouri Foundation Seeds

Columbia, MO

(573) 884-7333

**LVF 0938** is an awnletted variety with medium height. It has an ultra-early maturity and good standability. LVF 0938 is resistant to powdery mildew, leaf rust, glume blotch, and septoria tritici and has moderate resistance to stripe rust and soil-borne mosaic virus.

Quality Assurance Class

Lakeview Farms

Middletown, MO

(573) 549-2231

**LVF 1134** is an awnletted (awn tipped) variety that averages 36” in height with ultra-early maturity and very good straw strength. It scores 5 for stripe rust, 1 for powdery mildew, 2 for head scab, 2 for barley yellow dwarf virus and 4 for leaf rust on a scale of 1-9 with 1 being best.

Quality Assurance Class

Lakeview Farms

Middletown, MO

(573) 549-2231

**LVF 1736** is an awned (bearded) variety that averages 35” in height with medium-full maturity, above average test weight and very good to excellent straw strength. It scores 1 for stripe rust, 1 for powdery mildew, 3 for head scab, 2 for septoria tritici, 2 for glume blotch, 1 for soil borne mosaic and 4 for leaf rust on a scale of 1-9 with 1 being best.

Quality Assurance Class

Lakeview Farms

Middletown, MO

(573) 549-2231

**MISSOURI PRIDE 7202** is an awnletted, moderately tall (5 inches taller than Ernie) variety with early maturity (1-2 days later than Ernie). It is moderately resistant to leaf rust, barley yellow dwarf virus, *Septoria tritici* and is moderately susceptible to soil borne mosaic virus, stripe rust and *Fusarium* head blight (scab). Missouri Pride 7202 exhibits good winter hardiness, stands well and has good tillering capacity.

Quality Assurance Class

Kinley Miller Farms

Pea Ridge, AR

(479) 451-1191

**MOMENTUM 104** is a smooth head variety that averages 34” in height with ultra-early maturity, making it ideal for double-cropping. It scores 4.5 for standability, 4.8 for winter hardiness, 4.6 for test weight, 3.8 for barley yellow dwarf virus resistance, 4.2 for glume blotch resistance, 3.8 for leaf rust resistance, 3.8 for stripe rust resistance, 5.0 for *Fusarium* head blight (scab) resistance, 4.5 for *Septoria* leaf blotch resistance, 2.3 for soil borne mosaic virus resistance, 4.0 for wheat streak mosaic virus resistance and 2.5 for powdery mildew resistance on a scale of 1-5 with 5 being excellent.

Quality Assurance Class

Ferguson Seed Farms

Glasgow, MO

(660) 338-5105

**MOMENTUM 106** is a broadly adapted, white-chaffed, awnless variety with early maturity (heads 1-2 days earlier than Ernie) and moderately short height with good standability. Its *Fusarium* head blight (scab) resistance level is good and the DON (deoxynivalenol) content is low. Momentum 106 has an intermediate reaction to *Septoria tritici* blotch and *Septoria* glume blotch as well as to black chaff or bacterial leaf streak, is susceptible to yellow rust and leaf rust and is moderately tolerant of acid soils.

Parent Class

Missouri Foundation Seeds	Columbia, MO	(573) 884-7333
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Quality Assurance Class

Chestnut Corner Farms	Sumner, MO	(559) 284-7669
El-Par Seeds	Versailles, MO	(573) 378-4540
Ken Tevis Seed	Hughesville, MO	(660) 460-0648
Knipp Seed Company	Tipton, MO	(660) 433-2353

**OAKES** (1994 PVP Protected – Title V) is a medium height variety (same as Beretta) with mid-season maturity (2 days earlier than Beretta) that is adapted to most of the mid-south, delta and eastern soft red wheat areas. It is resistant/moderately resistant to prevalent field races of stripe rust and is moderately resistant/moderately susceptible to leaf rust races prevalent in the mid-south and southeastern U.S, wheat spindle streak virus, soil borne mosaic virus and *Septoria tritici* (leaf blotch). Oakes is moderately susceptible/susceptible to powdery mildew in the southeast and is susceptible to Hessian fly.

Certified Class

Stoddard County Seed Service	Dudley, MO	(573) 624-6666
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**OLIVER** is a smooth head variety that averages 37” in height and matures 2 days earlier than Branson and 8 days earlier than Truman. It scores 2.2 for standability, 1.9 for winter hardiness, 1.0 for test weight, 2.0 for barley yellow dwarf virus resistance, 1.5 for glume blotch resistance, 1.0 for stripe rust resistance, 2.5 for leaf rust resistance, 1.0 for *Fusarium* head blight (scab) resistance, 3.0 for *Septoria tritici* resistance, 2.0 for powdery mildew resistance, 2.3 for wheat spindle streak virus resistance and 2.8 for soil borne mosaic virus resistance on a scale of 1-5 with 1 being excellent and 5 being poor.

Quality Assurance Class

Gremaud Ag & Resources	Perryville, MO	(573) 547-7214
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**PIONEER BRAND 26R10** (1994 PVP Protected) is an awned variety with adaptation to the soft red winter wheat growing regions of the southeastern and mid-southern U.S., approximately south of the Ohio river. It averages 122 days to heading (2 days later than 26R15) and averages 84 cm in height (5 cm shorter than 26R15). Pioneer Brand 26R10 has shown very good stripe rust resistance and exhibits good resistance to leaf rust, soil-borne mosaic virus and wheat spindle streak virus. It has shown slightly below average resistance to *Fusarium* head blight (scab) and has resistance to biotype L of Hessian fly from the H13 resistance gene.

Quality Assurance Class

Gemeinhardt Seeds	East Prairie, MO	(573) 649-7903
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**PIONEER BRAND 26R36** (1994 PVP Protected) is a medium height (35-36”) variety adapted to the southern soft wheat regions of the U.S. It has shown strong resistance to leaf rust, stripe rust, Fusarium head blight (scab) and soil-borne mosaic virus.

Certified Class

Simplot Grower Solutions	Walnut Ridge, AR	(870) 573-6353
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Quality Assurance Class

Gemeinhardt Seeds	East Prairie, MO	(573) 649-7903
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**PIONEER BRAND 26R41** (1994 PVP Protected) is an awned variety with medium maturity, short height, excellent straw strength and excellent test weight. It is shorter and spike emergence is one day earlier than Pioneer Brand 26R15. Pioneer Brand 26R41 appears moderately susceptible to moderately resistant to fungal leaf blight (*Septoria spp*, *Stagonospora*, and/or *Pyrenophora spp*), is resistant to prevalent isolates of leaf rust and powdery mildew and is susceptible to *Fusarium* head blight. It is highly resistant to isolates of stripe rust present in 2012 and is resistant to prevalent races of Hessian fly having H13 and/or H22.

Certified Class

Simplot Grower Solutions	Walnut Ridge, AR	(870) 573-6353
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Quality Assurance Class

Gemeinhardt Seeds	East Prairie, MO	(573) 649-7903
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**PIONEER BRAND 26R45** (1994 PVP Protected) is an apically awnletted variety that has medium-tall height with an erect juvenile growth habit with a head that is mid-dense and tapering. It has excellent resistance to stripe rust and very good resistance to powdery mildew.

Certified Class

Simplot Grower Solutions	Walnut Ridge, AR	(870) 573-6353
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Quality Assurance Class

Gemeinhardt Seeds	East Prairie, MO	(573) 649-7903
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**PIONEER BRAND 26R59** (1994 PVP Protected) is best adapted to the southern soft wheat regions of the U.S. and has shown very good resistance to stripe rust and powdery mildew as well as better than average resistance to leaf rust and fungal leaf blights.

Certified Class

Simplot Grower Solutions	Walnut Ridge, AR	(870) 573-6353
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Quality Assurance Class

Gemeinhardt Seeds	East Prairie, MO	(573) 649-7903
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**ROANE** (1994 PVP Protected – Title V) is a full season, high yielding, awnletted variety with exceptionally high test weight and resistance or tolerance to a broad spectrum of plant pathogens and insect pests. It is approximately 1” taller than Coker 9803 and 1” shorter than FFR 555W. Straw strength is similar to FFR 555W and superior to Jackson. Winter hardiness is similar to Madison and superior to Jackson. Roane has some resistance to barley yellow dwarf virus and is resistant to the prevalent races of leaf rust. It lacks any known genetic resistance to stem rust. Roane expresses an intermediate level of resistance to soil borne mosaic virus, wheat spindle streak virus and leaf/glume blotch. It possesses moderate tolerance to head scab and is resistant to biotypes B, C, E and GP of Hessian fly.

Foundation Class

Missouri Foundation Seeds	Columbia, MO	(573) 884-7333
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Certified Class

Ken-Mo Agri Center	Kennett, MO	(573) 888-5933
Ferguson Seed Farms	Glasgow, MO	(660) 338-5105
Strobel Seed	Concordia, MO	(660) 463-2895
Ken Tevis Seed	Hughesville, MO	(660) 460-0648

**SY 547** (1994 PVP Protected – Title V) is an awnletted, medium tall semi-dwarf variety with medium maturity (heading date 1/2 day earlier than SY 474 and 1 day later than Branson). It is moderately resistant to powdery mildew, soilborne mosaic virus and fungal leaf blights. SY 547 has shown average tolerance to current races of stripe & leaf rust and fusarium head blight (scab) and is known to be moderately susceptible to barley yellow dwarf virus.

Certified Class

Weber Seeds	Marshall, MO	(660) 886-9998
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**SY RICHIE** (1994 PVP Protected – Title V) is an awnletted variety and is medium in height. It has a mid-season maturity, yellow anther color and flag leaf at boot stage is recurved and twisted. SY Richie has shown resistance to current races of powdery mildew, stripe rust and leaf rust and is considered susceptible to Hessian fly.

Registered/Certified Class

Stoddard County Seed Service	Dudley, MO	(573) 624-6666
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**SY VIPER** (1994 PVP Protected – Title V) is a medium maturity variety that averages 39” in height found to be adapted to southeastern MO, eastern AR, western TN and KY, the ‘Delta’ region of MS, north LA, eastern NC and northeastern SC. It has shown moderate resistance to current races of powdery mildew and moderate susceptibility to leaf rust in the area of adaptation and is susceptible to several current races of powdery mildew.

Foundation Class

Syngenta Seeds – AgriPro	Berthoud, CO	(970) 309-0316
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Registered Class

Dorroh Seed & Supply	Hayti, MO	(573) 359-2222
Stoddard County Seed Service	Dudley, MO	(573) 624-6666
Tanner Seed Company	Bernie, MO	(573) 276-2286

Certified Class

Dorroh Seed & Supply	Hayti, MO	(573) 359-2222
Stratton Seed Company	Anniston, MO	(573) 649-3520
Tanner Seed Company	Bernie, MO	(573) 276-2286

**TRUMAN** (1994 PVP Protected – Title V) is an apically awnletted variety with moderately tall plant height and full season maturity (comparable to Cardinal and 3-4 days later than Roane). It has good winter hardiness and is moderately tolerant of acid soils. Truman has a high level of broad-based resistance to *Fusarium* head blight (scab). It is resistant to stripe rust and has above average resistance to *Septoria* leaf blotch. Truman is moderately resistant to soil borne mosaic virus and moderately susceptible to barley yellow dwarf virus. It is susceptible to leaf rust, stem rust and all biotypes of Hessian fly.

Foundation Class

Missouri Foundation Seeds Columbia, MO (573) 884-7333

Certified Class

Andrews Farm & Seed Carthage, MO (417) 246-5510

**XL 210** is an awnletted variety and medium in height. It has an ultra-early maturity and good standability. XL210 is resistant to powdery mildew, leaf rust, glume blotch, and septoria tritici. It has moderate resistance to stripe rust and soil-borne mosaic virus.

Quality Assurance Class

Service & Supply CO-OP New Florence, MO (573) 835-2485

**XL 297** is a medium maturity, tip-awned (awnletted) variety that averages 36”in height with excellent standability and high test weight. It scores 4 for barley yellow dwarf virus resistance, 2 for leaf rust resistance, 1 for stripe rust resistance, 4 for *Fusarium* head blight (scab) resistance, 1 for *Septoria* leaf blotch resistance and 2 for powdery mildew resistance on a scale of 1-9 with 1 being most resistant.

Quality Assurance Class

Service & Supply CO-OP New Florence, MO (573) 835-2485

**XL 310** is an awnletted variety and medium in height. It has a mid-season maturity with a very good test weight. XL310 is resistant to powdery mildew, glume blotch, stripe rust, septoria tritici, and soil-borne mosaic virus. It has moderate resistance to leaf rust and good resistance to fusarium head blight (head scab).

Quality Assurance Class

Service & Supply CO-OP New Florence, MO (573) 835-2485

## TRITICALE

**841446398** is an awnletted variety with moderate plant height and good straw strength. It has high seed yield potential, high silage yield with good silage quality. It scores 8 for stripe rust, 8 for leaf rust and 8 for winterhardiness on a scale of 1-9 with 9 being excellent.

Certified Class

Deimeke Seed LLC Laddonia, MO (573) 473-2346  
Parsons Seed Cleaning Albany, MO (660) 726-3774



**102<sup>nd</sup> Annual Meeting  
of the  
Missouri Crop Improvement Association**



**To Be Held At**

**Missouri Crop Improvement Association  
3211 Lemone Industrial Blvd  
Columbia, MO 65201**

**On**

**August 5, 2020  
Columbia, MO**

**Annual Membership Meeting and Luncheon to begin at 12:00 p.m.**

*NOTE – Due to the uncertainty of local conditions regarding social distancing and maximum crowd size, MCIA has developed an alternative plan for a “virtual” annual membership meeting. Additional details will be provided at least 30 days prior to the meeting date.*