MISSOURI SEED DIRECTORY 2023 FALL



For Fall Seeded Crops
Winter Barley
Hard Red Winter Wheat
Soft Red Winter Wheat

THE MISSOURI CROP IMPROVEMENT ASSOCIATION

3211 Lemone Industrial Blvd. Columbia, MO 65201-7600 Phone (573) 449-0586 Fax (573) 874-3193

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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.

2023-24 Officers and Staff Missouri Crop Improvement Association

President	Rennie Davis, Vandalia
Vice President	E. L. Reed, Chillicothe
Director	Steve Fleming, 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	Ryan Barnes, Columbia
Field Services Manager	Rick Hofen, Columbia
Seed Laboratory Manager	.Marshal Reidlinger,RST Columbia
Laboratory Technician	Paul Springer, Columbia
Laboratory Technician	Robin Crane, Columbia
Laboratory Technician	Cory Arnett, 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?

Soft Red Winter Wheat

Oakes Pioneer Brand 26R10
Pioneer Brand 26R36 Pioneer Brand 26R41
Pioneer Brand 26R45 Pioneer Brand 26R59

SY Viper Truman

Hard Red Winter Wheat

WB4699 Zenda

Winter Barley

Secretariat

The purpose of this directory 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

 Internet
 www.mocrop.org

Alphabetical Listing of Producers

Andrews Farm & Seed

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

Danny Ball Farms, LLC

David Schultz 853 S Hwy Y Jasper, MO 64755 (417) 437-0263

Deimeke Seed, LLC

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

El-Par Seeds

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

Gemeinhardt Seeds

Kevin Mainord 411 South Hwy 75 East Prairie, MO 63845 (573) 649-3396

Ken Tevis Seed

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

Kinley Miller Farms

Kinley Miller P.O. Box 28 Pea Ridge, AR 72751 (479) 451-1191

Lakeview Farms

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

Chestnut Corner Farms

Pat Clark 13040 Tough Branch Ave Sumner, MO 64681 (559) 284-7669

Davis Seed Farms Inc.

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

Dorroh Seed & Supply Company

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

Ferguson Seed Farms

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

Gremaud Ag & Resources

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

Kincaid Seed Company

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

Krause Seeds, Inc.

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

William E. Metzgar

10602 Keystone Dr. Mound City, MO 64470 (660) 442-3964

Missouri Foundation Seeds

Jeff McHugh 3600 New Haven Road Columbia, MO 65201 (573) 884-7333

Service & Supply CO-OP

Randy Rodgers 1196 Hwy E Bellflower, MO 63333 (573) 835-2485

Stoddard County Seed & Feed

Pam Rowland 11573 State Hwy. TT Dudley, MO 63936 (573) 624-6666

Strobel Seed

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

Thompson & Son Seed Treating

Chris Thompson 9085 NW Hwy. A Appleton City, MO 64724 (660) 679-1041

Parsons Seed Cleaning

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

Simplot Grower Solutions

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

Stratton Seed Company

Brent Dennison 200 W Russell East Prairie, MO (573) 649-3520

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

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 winter hardiness and short awns. Secretariat is resistant to most prevalent barley diseases but is susceptible to fusarium head blight (scab).

Registered Class

El-Par Seeds Versailles, MO (573) 378-4540

Certified Class

El-Par Seeds Versailles, MO (573) 378-4540 Kincaid Seed Company Jasper, MO (417) 394-3100

HARD RED WINTER WHEAT

WB4699 (1994 PVP Protected Variety – Title V) is a short stature, medium-late maturity variety that has excellent standability, very good winter hardiness and good test weight. WB4699 scores 3 for leaf rust, 6 for stripe rust, 1 for powdery mildew, 4 for barley yellow dwarf virus, 3 for soil-borne mosaic virus, 5 for wheat streak mosaic virus, 4 for tan spot and 4 for fusarium head blight (scab) on a scale of 1-9 with 1 being best.

Certified Class

Danny Ball Farms Jasper, MO (417) 437-0263

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 soil-borne 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 & Certified Class

William E. Metzgar Mound City, MO (660) 442-3964

SOFT RED WINTER WHEAT

AGRI MAXX 492 is an awned (bearded) variety with medium height & very early/early maturity that is well suited for double-cropping. It scores 5 for straw yield & winter hardiness, 10 for test weight and 8 for lodging. AgriMaxx 492 scores 9 for stripe rust & powdery mildew, 10 for leaf rust, 6 for Septoria leaf blotch, 8 for Septoria glume blotch, 7 for BYDV and 5 for fusarium head blight (scab) on a scale of 1-10 with 10 being best.

Quality Assurance Class

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

AGRI MAXX 500 is an awnletted variety with medium-short height & ultra-early maturity that is well suited for double-cropping. It scores 5 for straw yield, 7 for test weight & lodging and 8 for winter hardiness. AgriMaxx 500 scores 7 for stripe rust & powdery mildew and 8 for leaf rust, Septoria leaf blotch, Septoria glume blotch & fusarium head blight (scab) on a scale of 1-10 with 10 being best.

Quality Assurance Class

Weber Seeds Marshall, MO (660) 886-9998

AGRI MAXX 503 is an awnletted variety with medium-tall height. It has a medium-early maturity, a dense head density, yellow anther color and the flag leaf at boot stage is erect and twisted.

Quality Assurance Class

Andrews Farm & Seed Carthage, MO (417) 246-5510 Weber Seeds Marshall, MO (660) 886-9998

AGRI MAXX 505 is an awned (bearded) variety with medium-tall height. It has a medium-early maturity, head density is mid-dense, yellow anther color and the flag leaf at boot stage is erect and twisted.

Quality Assurance Class

Andrews Farm & Seed Carthage, MO (417) 246-5510 Weber Seeds Marshall, MO (660) 886-9998

AGRI MAXX 513 is an awned (bearded) variety with medium height & medium-early maturity that is well suited for double-cropping. It scores 8 for winter hardiness, straw yield & standability and 10 for test weight. AgriMaxx 513 scores 8 for leaf rust, stem rust, Septoria leaf blotch, Septoria glume blotch & powdery mildew and 9 for stripe rust & fusarium head blight (scab) on a scale of 1-10 with 10 being best.

Quality Assurance Class

Andrews Farm & Seed Carthage, MO (417) 246-5510 Weber Seeds Marshall, MO (660) 886-9998

AGRI MAXX 514 is an awned (bearded) variety with medium height and medium maturity. It scores 8 for winter hardiness & straw yield and 6 for lodging & test weight. AgriMaxx 514 scores 7 for leaf rust, Septoria glume blotch & powdery mildew, 8 for Septoria leaf blotch, fusarium head blight (scab) & BYVD and 9 for stripe rust on a scale of 1-10 with 10 being best.

Quality Assurance Class

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

AGRI MAXX 520 is a smooth head variety with medium-tall height & ultra early maturity that is well suited for double-cropping. It scores 10 for double-crop suitability & test weight, 8 for straw yield & septoria glume blotch, 7 for winter hardiness, septoria leaf blotch & head scab resistance, 6 for lodging, leaf rust & powdery mildew resistance and 5 for stripe rust resistance on a scale of 1-10 with 10 being best.

Quality Assurance Class

Andrews Farm & Seed Carthage, MO (417) 246-5510 Weber Seeds Marshall, MO (660) 886-9998

AGRI MAXX 525 is an awned (bearded) variety with medium height & medium maturity that scores 8 for test weight and 9 for lodging & winter hardiness. It scores 7 for Septoria glume blotch & powdery mildew, 8 for leaf rust, Septoria leaf blotch, BYVD & fusarium head blight (scab) and 9 for stripe rust on a scale of 1-10 with 10 being best.

Quality Assurance Class

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

AGRI MAXX 531 is a smooth head variety with medium height & early maturity that is well suited for double-cropping. It scores 8 for winter hardiness & lodging and 10 for test weight. AgriMaxx 531 scores 4 for Septoria leaf blotch, 5 for powdery mildew, 6 for BYDV, 7 for stripe rust and 8 for leaf rust, Septoria glume blotch and fusarium head blight (scab) on a scale of 1-10 with 10 being best.

Quality Assurance Class

Andrews Farm & Seed Carthage, MO (417) 246-5510 Weber Seeds Marshall, MO (660) 886-9998

AGRI MAXX 535 is an awned (bearded) variety with medium height & medium maturity that scores 7 for winter hardiness and 10 for test weight & lodging. It scores 6 for Septoria glume blotch & BYVD, 7 for Septoria leaf blotch & fusarium head blight (scab), 8 for leaf rust & powdery mildew and 9 for stripe rust on a scale of 1-10 with 10 being best.

Quality Assurance Class

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

BESS is a white chaffed, apically awnletted variety with an average height of 38-40 inches and good straw strength. Bess is a moderately early maturing variety averaging 1-2 days later than Ernie, 1-2 days earlier than Roane and 5 days earlier than Truman. It has good resistance against *Fusarium* head blight (scab) and was one of only a few lines tested with low ratings in all 7 categories of resistance measured in the US Northern Winter Wheat Fusarium Head Blight Nursery. Bess is moderately resistant to stripe rust but is considered susceptible to both leaf rust and stem rust. It has intermediate field reaction to *Septoria* leaf blotch and is moderately resistant to soil-borne mosaic virus and moderately susceptible to wheat spindle streak virus and barley yellow dwarf virus. Bess is susceptible to all races of Hessian fly.

Foundation Class

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

Certified Class

Ferguson Seed Farms Glasgow, MO (660) 338-5105 Strobel Seed Concordia, MO (660) 463-2895

DEPAUW is a smooth headed variety with medium-tall height & early maturity that has excellent straw strength and excellent test weight. It scores 1 for stripe rust & head scab, 2 for septoria tritici & glume blotch, 4 for soil-borne mosaic & powdery mildew and 5 for leaf rust on a scale of 1-10 with 1 being best.

Quality Assurance Class

Gremaud Ag & Resources Perryville, MO (573) 547-7214

GROW PRO GP 348 is an early maturing, medium height, smooth head variety with excellent standability & test weight and good winter hardiness. Is scores 2 for powdery mildew, 3 for Septoria, 4 for leaf rust & stripe rust, 6 for fusarium head blight (scab) and 7 for barley yellow dwarf virus on a scale of 1-9 with 1 being best.

Quality Assurance Class

Dorroh Seed & Supply Company

Hayti, MO

(573) 884-7333

GROW PRO GP 463 is a medium-early maturing, medium height semi-dwarf variety heading about the same time as SY547 and is 3" shorter on average than SY 547. Is has shown above average resistance to current races of fusarium head blight & leaf rust and moderate susceptibility to Septoria tritici. GP 463 is susceptible to the current races of stripe rust & powdery mildew.

Registered & Certified Class

Tanner Seed Company LLC

Bernie, MO

(573) 276-2286

GROW PRO GP 747 is an awned (bearded) variety with medium-tall height, medium-late maturity and fair test weight. It scores 1 for stripe rust resistance, 3 for straw strength & soil virus complex resistance, 4 for septoria leaf blight & fusarium head blight resistance and 6 for leaf rust resistance on a scale of 1-9 with 1 being best.

Certified Class

Deimeke Seed, LLC

Laddonia, MO

(573) 473-2346

K-1203 SRW is an awned (bearded) variety with medium-tall height & medium-early maturity that scores 7 for lodging, 8 for test weight and 9 for winter hardiness. It scores 6 for leaf rust & bacterial streak, 7 for septoria leaf blotch, stem rust & stripe rust and 8 for septoria glume blotch, BYVD, powdery mildew, WSMV, SBMV & fusarium head blight (scab) on a scale of 1-10 with 10 being best.

Quality Assurance Class

Ken Tevis Seed Hughesville, MO (660) 460-0648 Krause Seeds 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

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 1032 is a smooth headed variety with medium-tall height & very early maturity that has excellent straw strength and superior test weight. It scores 1 for head scab, 2 for leaf rust, stripe rust & septoria tritici and 8 for soil borne mosaic virus on a scale of 1-10 with 1 being best.

Quality Assurance Class

Lakeview Farms Middletown, MO (573) 549-2231

LVF 1462 is a smooth headed variety with medium height & medium-full maturity that has excellent straw strength and test weight. It scores 1 for leaf rust & stripe rust, 2 for powdery mildew, 3 for head scab & soil borne mosaic virus and 5 for Septoria on a scale of 1-10 with 1 being best.

Quality Assurance Class

Lakeview Farms Middletown, MO (573) 549-2231

LVF 1542 is a bearded variety with medium maturity, very good test weight and excellent standability that averages 35" in height. It scores 1.0 for leaf rust, stripe rust and fusarium head blight (scab) resistance, 1.6 for *septoria tritici*, resistance and 2.5 for powdery mildew and glume blotch resistance on a scale of 1-9 with 1 being excellent.

Quality Assurance Class

Lakeview Farms Middletown, MO (573) 549-2231

LVF 1640 is a smooth head variety with medium maturity, average test weight and excellent standability that averages 35" in height. It scores average for fusarium head blight (scab) resistance and 1 for stripe rust, 1 for leaf rust and 6 for septoria on a scale of 1-9 with 1 being most resistant.

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 103 is a smooth headed variety with medium-tall height & very early maturity that has excellent straw strength and excellent test weight. It scores 1 for septoria tritici, 2 for head scab, 3 for stripe rust, 4 for leaf rust and 6 for soil-borne mosaic virus on a scale of 1-10 with 1 being best.

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.

Missouri Foundation Seeds	Columbia, MO	(573) 884-7333
Quality Assurance Class Chestnut Corner Farms	Sumner, MO	(559) 284-7669
El-Par Seeds	Versailles, MO	(573) 378-4540

MOMENTUM 110 is a smooth head variety that averages 35" in height with early maturity, making it ideal for double-cropping. It has excellent standability, above average test weight and very good tolerance to fusarium head blight (scab). Momentum 110 scores 1 for leaf rust resistance, 1 for stripe rust resistance, and 4 for Septoria on a scale of 1-9 with 1 being excellent.

Parent Class		
Missouri Foundation Seeds	Columbia, MO	(573) 884-7333
Quality Assurance Class		
Chestnut Corner Farms	Sumner, MO	(559) 284-7669
Davis Seed Farms	Vandalia, MO	(573) 594-3222
Ferguson Seed Farms	Glasgow, MO	(660) 338-5105
Thompson & Son Seed Treating	Appleton City, MO	(660) 679-1041

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 & Feed Dudley, MO (573) 624-6666

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

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) 649-3396

PIONEER BRAND 26R33 (US Patent Applied For) is an awned variety with medium-late maturity and broad adaptation positioned for the southern U.S. It has excellent standability & test weight and has a higher level of scab and Hessian fly resistance than all other Pioneer varieties. Pioneer Brand 26R33 has overall good disease resistance and scores 4 for leaf rust, 5 for stripe rust, 6 for powdery mildew, 7 for spindle streak mosaic virus & soil-borne mosaic virus and 8 for scab on a scale of 1-9 with 9 being best.

Certified Class

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

Quality Assurance Class

Gemeinhardt Seeds East Prairie, MO (573) 649-3396

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 soilborne mosaic virus.

Certified Class

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

Quality Assurance Class

Gemeinhardt Seeds East Prairie, MO (573) 649-3396

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.

Quality Assurance Class

Gemeinhardt Seeds East Prairie, MO (573) 649-3396

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.

Quality Assurance Class

Gemeinhardt Seeds East Prairie, MO (573) 649-3396

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.

Quality Assurance Class

Gemeinhardt Seeds East Prairie, MO (573) 649-3396

ROANE 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.

Certified Class

Ferguson Seed Farms	Glasgow, MO	(660) 338-5105
Strobel Seed	Concordia, MO	(660) 463-2895
Ken Tevis Seed	Hughesville, MO	(660) 460-0648

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.

Registered & Certified Class

Dorroh Seed & Supply	Hayti, MO	(573) 359-2222
Stoddard County Seed & Feed	Dudley, MO	(573) 624-6666
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

WB2606 is a medium-late maturity variety that has very good standability & winter hardiness and excellent test weight. WB2606 scores 5 for leaf rust, 4 for powdery mildew, 3 for stripe rust and 3 for fusarium head blight (scab) on a scale of 1-9 with 1 being best.

Certified Class

Danny Ball Farms Jasper, MO (417) 437-0263

XL 210 is an awnletted variety with medium 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

Bellflower, 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

Bellflower, MO

(573) 835-2485

XL 313 is an awnless (smooth) variety with medium height & medium+ maturity that has excellent straw strength and test weight. It scores 1 for leaf rust & stripe rust, 2 for powdery mildew, 3 for head scab & soil borne mosaic virus and 5 for Septoria on a scale of 1-10 with 1 being best.

Quality Assurance Class

Service & Supply CO-OP

Bellflower, MO

(573) 835-2485

104th Annual Meeting of the

Missouri Crop Improvement Association



To Be Held At

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

> July 31, 2023 Columbia, MO

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

Members are invited to attend the annual meeting but should be aware that due to lack of attendance in previous years, there are no presentations scheduled and no luncheon is planned. It is expected that the annual meeting will be brief in nature and the main item for consideration will be election of the Board of Directors for the coming year. In order to make sure a quorum of members are represented at the annual meeting, either in person or by proxy, proxy designation forms will be sent to all active and affiliate members approximately one month prior to the meeting.

Please contact the MCIA office or any member of the Board of Directors if you have any questions or issues you would like to be addressed at the 2023 meeting.