

Post Rock Extension District #1

Serving the counties of Jewell, Lincoln, Mitchell, Osborne and Smith

2024 Wheat Demonstration Test Plots



Variety and Descriptions

AG Golden AGSECO, 2021, is a later-maturing, medium height variety with good straw strength, very high test weight and long coleoptile. It has intermediate resistance to stripe rust, excellent resistance to leaf rust and very good resistance to stem rust along with excellent winterhardiness.

AG Icon Broadly adapted to Kansas, Oklahoma and northern Texas and offers exceptional yield performance and straw strength. Icon is an early-maturing variety with an exceptional leaf disease package and a very high tillering capacity and winter hardiness.

AG Radical AGSECO, also a 2021 release, that is a medium-early maturing variety with medium height, medium-high protein content, long coleoptile and excellent straw strength. It is rated intermediate on stripe rust, excellent on leaf rust, very good to Fusarium Head Blight (Scab), however, susceptible to stem rust.

AP18 AX Medium-early, CoAxiom, variety that offers a very strong disease package with Wheat Streak Mosaic virus tolerance as well as a strong stripe rust tolerance. AP18 has excellent fall grazing potential and very good fall ground cover.

AP24 AX An AgriPro variety that is a medium maturity, Aggressor AX herbicide-tolerant line with excellent yield potential. It has intermediate tolerance to soilborne mosaic virus and low pH soils. These traits, in addition to its' winter hardiness and very good test weight, makes AP24 AX a great fit across the plains.

AP EverRock Variety from AgriPro that fits to central Kansas as a continuous wheat, graze and grain uses, and following soybean cropping systems. It has excellent tolerance to low pH soils along with the Barley Yellow Dwarf virus, so can be planted earlier than most varieties. It has excellent straw strength that offers irrigated producers' good tolerance to lodging. EverRock is a medium-short, medium-early variety that has excellent milling quality with its' pedigree SY Wolf, Everest and Postrock.

AP Bigfoot A 2021 release, AgriPro variety, that is a very diverse wheat that covers the great plains in South Dakota, Nebraska, Kansas and Oklahoma. It is a newer early-maturing variety with an excellent yield record across a very large adaptation area with its tolerance to low pH soils. AP Bigfoot has good disease tolerance overall, similar to SY Wolf in its pedigree.

AP Prolific A 2022 release, AgriPro variety, with a high-yielding potential in the central corridor of Kansas. It has very good tolerance to both leaf and stripe rust along with low pH. A lower seeding rate is recommended with the smaller seed size. Prolific can be planted deeper with the longer coleoptile length and has very good to excellent test weight.

AR Iron Eagle An Armor Seed (Arkansas) variety that has a good disease package with moderately resistant to leaf and stripe rust. Iron Eagle has good straw strength and winterhardiness along with adequate protein.

Bill Snyder It is a very high yielding line out of the K-State Hays breeding program. It is a medium maturity and medium-short height variety and has a solid disease package with good to intermediate resistance of stripe, leaf and stem rust along with moderate resistance to wheat streak mosaic virus and intermediate resistance to Triticum mosaic virus. It is also resistant to soilborne mosaic virus allowing it to move into central KS where it has shown decent yield potential. KS Bill Snyder also has good drought tolerance, high tillering capacity, excellent straw strength and good milling quality.

Bob Dole AgriPro variety that is targeted for the central corridor of Kansas with very good tolerance to rust (leaf, stem and stripe) along with good straw strength. Bob Dole has excellent to very good milling and baking qualities and uniquely high in protein. It has a large seed size so it is recommended to increase the seeding rate by 10%.

Canvas Plainsgold variety with medium maturity that is more suited to western Kansas. Canvas has a very good disease package with excellent resistance to Stripe and Stem rust and good resistance to the Wheat Streak Mosaic virus and moderately tolerant to the Hessian Fly. It has very good milling and baking qualities along with very good to excellent test weight and winterhardiness.

CO18D297R A Colorado State University, hard red winter wheat, experimental variety released in 2023 with excellent stripe and stem rust tolerance. It has above average protein levels along with moderate tolerance to the Wheat Streak Mosaic virus.

CP 7220 A hard red winter Croplan variety with very good standability and stress tolerance that is suited for high- to low-yield potential acres.

CP 7266AX Croplan wheat variety with medium-maturity along with excellent yield potential and very good standability.

CP 7869 Croplan wheat variety with high yield potential and strong stress tolerance. Best fit for well-managed dryland or irrigated acres.

CP 7909 Croplan variety with excellent yield and high protein potential with very good winterhardiness.

Crescent AX Another PlainsGold variety that is early-maturing, CoAxiom, with very good test weight, larger seed size, very good milling and baking along with moderately resistant to stripe rust and the Wheat Streak Mosaic virus. Crescent is a strong grazer for late fall through early spring along with very good winterhardiness.

High Country Polansky variety that was developed for the high plains and generally the western 2/3 of Kansas. High Country generally has a very good overall disease package and drought tolerance. It has been a consistent performer for several years in the K-State variety trials as well as very good test weight and shatter resistance.

HG Force This 2020 hard red winter wheat release from Heartland Genetics is a medium-maturity wheat with a high yield history in Kansas and southern Nebraska. It has excellent winterhardiness with outstanding straw strength. Force has good resistance to leaf rust and the soilborne mosaic virus with moderate resistance to stripe rust and the Wheat Streak Mosaic virus.

Joe Kansas State University's wheat breeding program. released in 2015 and is a hard white winter wheat variety. Joe is a medium-tall, medium-late maturity variety and has good grain shattering tolerance. It has good resistance to leaf and stripe rust, and the Wheat Streak Mosaic virus, which are three of the most important diseases in western Kansas. It also has an average test weight, good milling quality, and above average baking quality.

KS Ahearn A Kansas Wheat Alliance, medium-late variety with good resistance to leaf, stripe and stem rusts along with good grazing potential. Ahearn is targeted for central to south-central Kansas with excellent yield potential and a stability of performance across very different growing seasons.

KS Dallas A hard red winter wheat from KS Wheat Alliance with medium-maturity and medium height with good adaptation to dryland production. It has a strong disease package with resistance to leaf and stem rust along with the Wheat Streak Mosaic virus. Dallas has average test weight and good baking quality.

KS Hamilton A 2020 KS Wheat Alliance medium-maturity variety with a similar heading date to KS Western Star along with resistance to the Wheat Streak Mosaic virus and Hessian fly. Suited for the western 1/3 of Kansas with its' intermediate reactions to Stripe and Leaf Rust.

KS Hatchett This KS Wheat Alliance wheat variety is an early-maturing hard red winter wheat with acceptable straw strength, very good resistance to leaf and stem rusts, and good test weight. It has performed well across widely diverse growing seasons and has significant quality advantages over Zenda. Its' high tillering ability and earlier maturity makes it a preferred choice following soybeans throughout the central corridor. It also offers Hessian fly resistance and an effective level of acid soil tolerance that many varieties in the central region lack.

KS Hamilton A Kansas Wheat Alliance medium-maturity and is better suited for western Kansas and eastern Colorado. Hamilton is a high-tillering variety with good resistance to the Wheat Streak Mosaic virus, stem rust and the Hessian Fly.

KS Mako Developed from the K-State Manhattan breeding program that is medium in height and maturity. It has a high yield, good drought tolerance as well as a strong protein levels. Resistant to the Wheat Streak Mosaic virus, however, moderately susceptible to leaf and stripe rust.

KS Providence A 2022 release from KS Wheat Alliance that is an extremely high-yielding variety with very good tillering and good resistance to leaf and stem rust. Providence also is intermediate to stripe rust with the Fusarium Head Blight resistance likely to be adequate for producers. Keep an eye on this one!!!

KS Territory A high-yielding variety well adapted for the drought conditions in the central high plains. It carries the Wsm2 gene for Wheat Streak Mosaic resistance. It has moderate resistance to stripe, leaf and stem rusts and good resistance to Hessian fly.

KS Western Star This is a hard red winter wheat from KS Wheat Alliance with medium-maturity and height and adapted for the western 2/3 of Kansas. It has moderate resistance to both stripe and leaf rust along with intermediate resistance to Barley Yellow Dwarf. Western Star has very good drought tolerance along with very good straw strength and good baking and milling qualities.

LCS Atomic AX This is a CoAxium variety that is early in maturity and is a short-plant type. It appears to handle heat and drought very well and provides yield stability in dry years. Its' disease package is worth noting with resistance to leaf and stripe rust along with intermediate to fusarium head blight or scab and septoria leaf blotch. With resistance to the Aggressor herbicide, this makes it a great tool for cleaning up fields with brome, cereal rye and jointed goat grass.

LCS Helix AX This is a medium-early hard red winter wheat variety with medium height. Helix is one of the most adaptable CoAxium varieties available due to its' top-end yield, high test weight, winterhardiness and resistances to stripe and stem rust. Limagrains regards it as a "total package" variety, coupled with the CoAxium trait to use with the Aggressor herbicide system.

LCS Julep Released in 2019, this variety comes from the LCS Mint pedigree with a rust resistance package and drought tolerance as the main strengths. Julep has a high tiller count, quick emergence along with late spring green-up which has allowed this variety to handle the late freezes very well over the past few years. Certified seed only.

LCS Photon AX This is a medium-tall, medium-early, high tillering progeny of T158 with excellent tolerance to Aggressor herbicide along with drought and heat. It has excellent protein and test weight and resistance to stripe rust. This is a good pick for cleaning up winter annual grassy weeds and grazing cattle through fall and winter.

LCS Radar NEW release by the Limagrain Cereal Seeds variety that should be on your “radar” as it has a blockbuster yield performance in western Kansas. Radar has a strong disease package with resistance to leaf and stripe rust along with the Wheat Streak Mosaic virus.

LCS Runner Another Limagrain Cereal Seeds variety that has an excellent disease package with broad adaptability and its excellent yield potential. Runner has excellent winterhardiness and very good straw strength along with above average protein.

LCS Steel AX A Limagrain wheat variety with a medium-tall height and late maturing with excellent straw strength. The disease package of LCS Steel AX provides resistance to leaf rust and soil borne mosaic virus along with an excellent choice for fields that need control of winter annual grassy weeds. If you have cattle for grazing, this would be a great variety with its’ quick emergence and tillering in the fall. A variety to keep an eye on with excellent yield potential and winterhardiness.

LCS Valiant A medium-height, early-maturity wheat variety with high-end yield and stability across a large geography of Kansas. Valiant is characterized by excellent milling and baking qualities, good fall ground cover with high tillering along with early spring green-up.

LCS Warbird AX Hard red winter wheat variety that has excellent yield potential in the Central Plains, with good straw strength and standability. It also has a solid disease package and resistance to curl mites and the Wheat Streak Mosaic virus.

OGI Paradox Oklahoma Genetics, Inc. hard red winter wheat.

OGI Showdown An Oklahoma Genetics, Inc. dual-purpose management system variety with good canopy closure and outstanding forage regeneration. Disease resistance is broad and strong, with the possible exception of leaf rust and has a very wide adaptation in central Kansas.

Polansky Paradise This is a hard red winter wheat variety with a high-yielding potential package. It has had a good yield record through central Kansas into northern Oklahoma, performing among other good yielders. Paradise is a medium-early variety with excellent stripe rust resistance and moderately resistant to leaf rust along with excellent fall forage production. Paradise can be planted on fallow ground, after wheat and soybeans. Its’ milling and baking quality is desirable along with high tillering and good test weight.

Polansky Rock Star This is a newer medium-season wheat suited to the central corridor with strengths including resistance to leaf, stem and stripe rust along with moderately resistant to the Wheat Streak Mosaic virus and very good straw strength. It has excellent yields with some tolerance to head scab. Rock Star has excellent winterhardiness and very good drought tolerance.

SY Monument This AgriPro/Syngenta variety is positioned for central and western Kansas, Oklahoma, Nebraska and the Texas Panhandle. SY Monument has good stripe, leaf and stem rust resistance, showing very high tillering and good test weight. It is widely adapted and gaining popularity for good reason, proving itself with consistency with an overall good leaf disease package, good grazing potential and few weaknesses.

SY Wolverine An AgriPro early-maturing variety with heavy parentage from SY Wolf with good standability and excellent yields in the most of Kansas. It has good disease tolerance especially Tan spot and Septoria Leaf Blotch so a good variety for 2nd-year wheat.

WB Grainfield This variety from WestBred is a mainstay variety that has medium-late maturity and is positioned primarily for areas north and west of I-35 and has very good, consistent yields at the western locations and has shown relatively consistent performance in test yield data. Grainfield has good overall leaf disease resistance, with the exception of Septoria leaf blotch. It has very good drought tolerance and shattering reputation, but is moderately susceptible to Hessian fly and the Wheat Streak Mosaic virus along with high tillering.

WB 4347

WB 4422 A release by WestBred that has excellent yield potential with excellent fall growth and straw strength. 4422 has excellent test weight with very good protein and milling/baking quality. With improved Wheat Streak Mosaic virus tolerance, Fusarium Head Blight tolerance and end-use quality, this variety appears to be a potential replacement for WB-Grainfield acres.

WB 4401 This is a 2019 release from WestBred that is a medium-early maturity and medium-short height with excellent seedling vigor along with high tillering. It is intermediate or better on most diseases including Head Scab or FHB. However, it is moderately susceptible to the Wheat Streak Mosaic virus. 4401 is a good candidate for double cropping due to its' exceptional fall vigor and rapid emergence. It has superior yield potential, good test weight, average protein as well as good milling and baking qualities.

WB 4523 A 2021 release from WestBred that is a medium maturity with very good leaf health especially leaf, stem and stripe rust. 4523 should be planted east of Highway 281 due to Wheat Streak Mosaic susceptibility, but has excellent straw strength and very good winterhardiness.

WB 4595 A 2019 WestBred release medium-tall, medium-maturity hard red winter wheat with excellent yield potential and test weight. It is broadly adapted due to its' disease tolerances. Good tillering, fall growth and standability allow for a wide range of planting populations.

WB 4699 A 2019 release WestBred variety that is suited along the I-35 corridor and to the east. 4699 holds winter dormancy well, has a very good overall disease package and has excellent yield potential. It is moderately resistant to Barley Yellow Dwarf and leaf rust, but susceptible to Stripe rust.

WB 4792 This 2018 release WestBred variety is a hard red winter wheat with excellent yield potential and leaf rust resistance. This medium-late maturing variety has very good winterhardiness and intermediate to the wheat streak mosaic virus and moderately resistant to barley yellow dwarf, contributing to its' strong western Kansas adaptation.

XP 24-11 Experimental hard red winter wheat variety

Zenda This is a KS Wheat Alliance variety with Overley and Everest parentage. It is a medium-early, medium-height variety that is expressing good yield potential for the central corridor and eastward. Zenda's stripe rust resistance has resulted in higher average yields and greater yield stability compared with Everest and has better end-use characteristics. It has shown moderate resistance to leaf, stem and stripe rust and to soilborne mosaic, however, is moderately susceptible to the Wheat Streak Mosaic virus. Among the best of varieties regarding tolerance to Head scab (fusarium head blight) so a good choice after corn.

K-STATE

Research and Extension

Post Rock District

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