

Post Rock Extension District #1

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

2022 Wheat Demonstration Test Plots

Variety and Descriptions

AG Icon It is broadly adapted to Kansas, Oklahoma, and northern Texas. AG Icon offers exceptional yield performance and excellent straw strength along with good baking and milling quality. It has an exceptional leaf disease package and a very high tillering capacity. It is moderately-early in maturity as well as very good winterhardiness.

AG Radical This is another NEW wheat variety from AGSECO that is a medium-early maturity and medium-height. It has excellent resistance for leaf rust, intermediate for stripe rust and susceptible to stem rust. However, it is very good against the Fusarium Head blight (Head scab), so a good choice after corn. Radical has shown excellent protein values along with straw strength and very good test weights.

AM Cartwright This AgriMAXX wheat variety has a stout agronomic package and many core strengths. It works across a variety of soil types and has moderate tolerance to acid soils. It has performed well when planted early (resistant to Hessian Fly) and when planted late (early season vigor). AM Cartwright is holding up extremely well to the new race of stripe rust and is also very good against leaf rust and may not need a fungicide application. It has excellent straw strength and under high management can yield very well.

AP18 AX This is a newer medium-early variety that offers a good straw strength in medium height. In the fall, it has showy foliage and has very high tillering capacity. Its' disease package is very strong with Wheat Streak Mosaic virus tolerance as well as strong stripe rust tolerance and excellent yield potential. As a NEW CoAxiom variety, it is tolerant of Aggressor herbicide which offers control of grassy weed species.

AP Double Stop CL An OGI (Oklahoma Genetics, Inc.) variety with very consistent two-gene Clearfield genetics with much better tolerance to Beyond herbicide than one-gene Clearfield varieties. It has a generally good yield record in KSU and OSU tests and is moderately-resistant to the wheat streak mosaic virus. Doublestop CL+ is a tall, late-maturing wheat with a great disease leaf package especially with stripe and stem rust.

AP EverRock A new variety from AgriPro and is intended for dryland and irrigated production. It fits the continuous wheat, graze, and grain, 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. EverRock is a medium-short, medium-early variety that has excellent milling quality with its' pedigree SY Wolf, Everest and Postrock.

AP Roadrunner This AgriPro hard red winter variety tends to thrive in harsh conditions with great drought tolerance and end-use quality. In North Central Kansas, it fits the winter wheat following soybean acres. Roadrunner has shown excellent yields across the western half of Kansas and into Nebraska, Oklahoma and Texas. It has a very good leaf package with resistance to leaf and stripe rust along with improved wheat streak mosaic virus tolerance.

AP Bigfoot This NEW AgriPro variety is a very diverse wheat that covers the great plains with South Dakota, Nebraska, Kansas and Oklahoma. It has had a strong yield performance in trials along with high test weights. Bigfoot has a good disease package with resistance to leaf and stripe rust along with moderate to the wheat streak mosaic virus and excellent yield potential.

Bob Dole This variety from AgriPro/Syngenta is meant for the central corridor and comes with very good resistance to rust and some tolerance to scab. Bob Dole has a good overall disease package with resistance to leaf and stripe rust along with excellent baking and milling qualities. Good yield potential for the central region. Be sure and increase your seeding rate, somewhat, because of the large seed size.

Butler's Gold An Oklahoma Genetics, Inc. variety designed to excel in late-planting windows with expected wheat protein levels to exceed 13% at the recommended nitrogen application rates. Be sure and watch your seeding rate with the large seed. May need to increase the rate.

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.

KS 13DH0041-35 (KS Providence) NEW release from KS Wheat Alliance with the double-haploid genetics. KSU yield trials for the past couple of years have shown high yield advantage after corn or soybeans and in no-till situations. To be released in the fall of 2022 and should be kept an eye out for this one!

KS Ahearn A Kansas Wheat Alliance variety that is a late-maturing hard red winter wheat with excellent straw strength, good resistance to leaf, stripe and stem rusts and acceptable test weight. It has had excellent yield potential and has performed well across widely diverse growing seasons. Its' quality is acceptable and carries the 1B.1R wheat-rye translocation that came from Gallagher.

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 Hatchett This KS Wheat Alliance wheat variety is an early-maturing hard red winter wheat with average 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 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 and FHB (Head scab). 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 CoAxiom 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 Chrome This Limagrain Cereal Seeds variety is a medium-tall and medium-late maturity. It was named for its' blue-gray color in the early growth stages and has shown good yields in commercial and state trials with broad adaptation for the entire state of Kansas. It is poised to be a strong variety for the region. It appears to have high tillering ability along with test weight. It has good resistance to leaf and stripe rust in addition to excellent straw strength.

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

LCS Julep Released in 2019, this variety comes from the LCS Mint pedigree with rust a 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.

LCS Link This Limagrain Cereal Seed variety was bred in collaboration with the University of Nebraska-Lincoln resulting in a variety with excellent straw strength and winterhardiness. It has shown a strong initial adaptation to the I-70 corridor and north. It has a good disease package with resistance to leaf, stem and stripe rust along with the barley yellow dwarf virus.

LCS Mint This variety from Limagrain Cereal Seeds variety is a medium-tall height, medium-maturity hard red winter variety that has excellent drought tolerance and is excelling in the northern locations. LCS Mint has a very striking dark green plant color and is photo-period sensitive meaning that it will vary its maturity year to year more than non-sensitive varieties as LCS Mint responds to variation in day length. LCS Mint has intermediate resistance to stripe rust, but has excellent tolerance to acid soils along with exceptional milling and baking quality. So it may benefit from a fungicide application if heavy pressure on leaf or stripe rust.

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 resistant to stripe rust. This is a good pick for cleaning up winter annual grassy weeds and grazing cattle through fall and winter.

LCS Revere This is also a progeny of T158 that has a very quick fall emergence and establishment. It is a medium-height, medium-early maturity variety with high-tillering and excellent fall ground coverage. Revere includes an excellent rating for drought tolerance and excellent resistance for stripe rust.

LCS Runner NEW release by Linagrain Cereal Seeds with a very good overall disease package, broad adaptability and its' excellent yield potential. It is a LCS Mint pedigree with improved Fusarium Head Blight tolerance (Head Scab), better standability and slightly earlier in maturity as well as good drought tolerance.

LCS Steel A Limagrain wheat variety with a medium-tall height and late maturing with excellent straw strength. It has a disease package with excellent tolerance to Fusarium Head Blight or Scab, Leaf Rust and Soil-borne mosaic. 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, medium-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.

Meridian Maverick NEW Meridian Seed company hard red winter wheat variety.

Polansky High Country A NEW variety from Polansky Seed for 2021 with strong performance in the High Plains. It is equipped with leaf rust tolerance, excellent winterhardiness and better-than-average wheat streak mosaic virus tolerance. High Country is best placed in the High Plains of western KS along with Nebraska and eastern Colorado.

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 resistance to leaf rust along with excellent fall forage production. Its' milling and baking quality is excellent along with good tillering and 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 above average for the wheat streak mosaic virus and straw strength. It has excellent yields with some tolerance to head scab. Rock Star has excellent winterhardiness and very good straw strength.

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 and few weaknesses.

SY Wolverine Released in 2019, this variety is an early-maturing variety with heavy SY Wolf parentage. Good standability and an excellent yield in most of Kansas. Wolverine has good disease tolerance, similar to SY Wolf, but with a broader adaptation and improved wheat streak mosaic complex tolerance.

Showdown This NEWER hard red winter release from OSU features very high yield potential with wide geographic reach. Showdown has competed very well in OSU and KSU wheat variety trials since 2017. It responds well to grazing with adequate seeding density. It is resistant to stripe rust and soilborne mosaic, but can also benefit from a single fungicide application.

T-158 This variety is a long-time top in eastern and central Kansas and ranks as a yield leader showing cold tolerance and maintaining its very good stripe rust resistance. It has very high tillering and keeps tillers well under late drought stress. T-158 typically yields well under drought stress even if its' leaves turn brown.

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 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, Barley Yellow Dwarf and the Wheat Streak Mosaic virus.

WB 4269 This variety from WestBred is adapted to a line more or less following U.S. Hwy. 281 and east. In the most recent variety trials, it finished in the top quarter of most of the yield trials in central KS. It has an excellent leaf health package being moderately resistant to leaf and stripe rust along with powdery mildew. It is a medium-early maturing variety with intermediate to fusarium head blight tolerance along with excellent straw strength and high tillering potential.

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.

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.

WB4523 NEW medium-maturity hard red winter wheat with excellent yield potential along with excellent stripe rust resistance. 4523 also has excellent milling/baking qualities.

WB 4595 A NEWER medium-tall, medium-maturity hard red winter wheat from WestBred 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 This NEW WestBred variety is a hard red winter wheat with excellent yield potential and an overall very good disease package. It holds winter dormancy well and has good milling and baking qualities. To help maximize grain protein, fertility management is recommended.

WB 4792 This NEW 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 moderately resistance to the wheat streak mosaic virus and barley yellow dwarf, contributing to its' strong western Kansas adaptation.

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 scab (fusarium head blight) so a good choice after corn.

K-STATE
Research and Extension

Post Rock District

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