

Twin Creeks Extension District

Serving the counties of Decatur, Graham, Norton & Sheridan



2023 Wheat Demonstration

Twin Creeks does appreciate the May's and Miller's for putting the two plots. Unfortunately this year, we did not have either tour. The Brian & Larry Miller plot near Dresden had poor growth and was hailed out. The Roger May plot is still at the site with signs up, however with the poor stand and growth, very late to mature we decided to cancel the tour. These variety descriptions are what is in the plots we planted however only Roger May's signs are up. Feel free to stop and look at the varieties if you would like.

Larry and Brian Miller - plot planted September 21, 2021- Narrow strips – From Dresden: Travel South on highway 23 to #9 highway. East on #9. Between roads 1900 and 2000

Roger May- Planted October 15. From Oberlin, Kansas: Go 3 miles on Hwy 36 to Road 800. Then South $\frac{3}{4}$ mile to plot.

Variety and Descriptions

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.

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.

KS Territory KS Territory is 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.

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.

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!!!

SY Wolverine Early maturing variety with Wolf as some of the parentage. Stands well under irrigation. Has a wider adaptation than that of Wolf. Some improved WSMV complex tolerance. Released in 2019.

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.

OK Corral A 2019 Release primarily Southern Kansas and Oklahoma. Beardless wheat with excellent milling and baking and yield potential. Resistant to Hessian Fly, Stripe Rust and Soil Borne Mosaic. Versatile for both grazing and grain.

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.

Double Stop CL+ A later maturity variety. Oklahoma release of a 2 gene Clearfield variety compared to a single gene type gives it tolerance to more cropping flexibility. Resistant to Soil Borne mosaic, has some protection against WSMV.

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.

Rock Star Polansky Seed released in 2019. Wide adaptation across Kansas and into southern Nebraska and Northern Oklahoma. Medium maturity, resistant to Stem and Stripe Rust, Soil Borne Mosaic, and moderate resistance to head scab.

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 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.

Ag Golden From Ag Seco in 2021 later maturing. Great leaf rust resistance, intermediate resistance to stripe rust, beware of head scabs after a corn rotation.

AP Roadrunner Western Hi Plains. Excellent drought tolerance, tolerant to stripe rust and Hessian Fly. Pasture graze out.

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.

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.