

# Midway Extension District #15

Serving the counties of Ellsworth and Russell



## 2022 Wheat Demonstration Plot Lorraine

### Variety and Descriptions

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**AM Cartwright** – Variety from AgriMaxx has a stout agronomic package and many-core strengths that drive yield. Works across a variety of soil types and has moderate tolerance to acid soils. It has good rust ratings against both stripe rust and leaf rust; it also has excellent straw strength.

**AP Bigfoot** – Variety from AgriPro new release with certified seed available in the fall of 2022. Variety that will cover a very large area from the Texas panhandle through South Dakota. In testing it has thrived in dryland production systems and offers low pH tolerance, improved WSMV tolerance and excellent yield potential.

**AP Roadrunner** – New release from AgriPro. Has excellent drought tolerance, roadrunner thrives in harsh conditions. It has improved wheat streak mosaic virus tolerance with good leaf and stripe rust tolerance.

**AP18 X** – New CoAxiom variety from AgriPro a medium-early variety that offers a good straw strength in medium height. It has a very strong disease package excellent wheat streak mosaic virus tolerance, as well as a strong stripe rust tolerance with excellent yield potential.

**Bob Dole** – Variety from KSU marketed by AgriPro. It is meant for the central corridor and comes with excellent tolerance to rust and some tolerance to scab. Bob Dole has a good overall disease package with resistance to leaf, stem, and stripe rust along with excellent baking and milling qualities. Good yield potential for the central region. It can get tall but it has good straw strength so, watch planting it where you routinely expect yields to exceed 80 bu/ac.

**SY Wolverine** – New variety from AgriPro. An early-maturing variety has good standability and excellent yield potential in the central plains. Optimal for grain plus limited grazing. Strengths SY Wolf type disease tolerance to leaf spotting and bacteria, Improved WSMV complex tolerance, early maturing with stiff straw. Weaknesses are susceptible to aluminum in low pH soils.

**TAM 114** – Variety from AGSECO developed by Texas A&M AgriLife Tam 114 is positioned primarily for the Texas high plains and western Kansas, and eastern Colorado. Tam 114 has good stripe rust resistance, and it is similar in many ways to TAM 111, with somewhat higher yield potential and much better leaf disease resistance.

**KS13DH0041-35** Experimental variety from Kansas Wheat Alliance

**KS16DH0010-17** Experimental variety from Kansas Wheat Alliance

**KS Dallas** – Variety from Kansas Wheat Alliance, it is medium maturity and medium height. It has good grain-shattering tolerance. It has good adaptation in the dryland production in western Kansas. KS Dallas has a strong disease package; its wheat streak mosaic virus resistance can hold up to around 70 degrees. Very good resistance to stem and leaf rust it is intermediate resistance to stripe rust and barley yellow dwarf—average on straw strength.

**KS Hamilton** – Variety from Kansas Wheat Alliance is medium maturity; it has moderate shattering resistance with average straw strength. Good resistance to wheat streak mosaic virus, stem rust soil-borne mosaic virus, and hessian fly. Intermediate resistance to stripe rust and leaf rust.

**KS Hatchett** – Variety from Kansas Wheat Alliance, it is an early maturity variety with acceptable straw strength. Good resistance to stem and leaf rust. It has high tillering ability and early maturity make it an ideal choice for central Kansas following soybeans. It also offers hessian fly resistance and effective level of acid soil tolerance that many varieties in the central region lack.

**KS Western Star** – Variety from Kansas Wheat Alliance. This variety is a medium maturity and medium-tall statured with very good drought tolerance and does well in central and western Kansas. Has moderate resistances to stripe rust, leaf rust, it does not have the resistant gene to wheat streak mosaic virus. However it has the wheat curl mite resistance gene and show resistance to wheat streak mosaic virus in the field. It has good straw strength and grain shattering resistance.

**Canvas** – Variety from Plains Gold Canvas is suited to the greater western plans, providing strong drylands and leading high moisture performance in agronomics and yield. Stripe rust and stem rust resistance is excellent with good resistance to wheat streak mosaic virus and soilborne mosaic virus.

**Whistler** – Variety from PlainsGold. Late-maturing variety with a taller stature. Excellent disease package with resistance to powdery mildew, stripe rust, stem rust. Also, solid resistance to wheat streak mosaic virus and soilborne mosaic virus. Weaknesses marginal stray strength under high yield environments and moderately susceptible to leaf rust.

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**KS Western Star** – New Variety from KSU. This variety is a medium maturity and medium-tall statured. Has resistances to stripe rust, leaf rust, and soilborne mosaic virus. It has good straw strength and grain shattering resistance, also good drought tolerance.

**Zenda** – Variety from K-State. Released for a replacement of the Everest variety. It is a medium-early, medium-height variety that is expressing good yield potential for the central corridor and eastward. It has shown moderate resistance to leaf, stem, and stripe rust so far and to soilborne mosaic; however, it is moderately susceptible to wheat streak mosaic. Among the best of varieties regarding tolerance to scab (fusarium head blight) so a good choice after corn. A variety to keep your eye on!

**LCS Atomix AX** – Variety from Limagrain Cereal Seeds variety is a CoAxiom variety that is early in maturity and is a short plant type. Limagrain anticipates this variety will be known for how well it handles heat and drought, providing yield stability in dry years, and still reaching top-end yields in better conditions. Resistant to leaf and stripe rust. CoAxiom variety is resistant to the Aggressor brand herbicides to control problem grass weeds and volunteer cereals.

**LCS Helix AX** – Variety from Limagrain Cereal Seeds variety is medium-early with medium height. This variety is one of the most adaptable CoAxiom varieties available due to its top-end yield, high test weight, winterhardiness, acid soil tolerance, and resistance to stem and stripe rust. It would also do well in a limited grazing program. CoAxiom trait is to be used with the Aggressor herbicide system.

**LCS Julep** - Variety developed by UNL. Medium height, medium maturing variety with high-end yield and stability across a large geography. This variety has excellent winterhardiness, good fall ground cover, high tillering. Noted weaknesses are its susceptible rating to powdery mildew and moderate susceptibility to low-pH soils.

**LCS Runner** - Variety from Limagrain Cereal Seeds. LCS Runner is a new release. It has 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, better standability, and slightly earlier in maturity. LCS Runner still carries the great quality that LCS Mint is known for. This variety handles acid soil well and has excellent drought tolerance.

**LCS Steel AX** – Variety from Limagrain Cereal Seeds.

**LCS Valiant** – Variety from Limagrain Cereal Seeds. Medium height, medium maturing variety with high-end yield and stability across a large geography. This variety has excellent winterhardiness, good fall ground cover, high tillering. Noted weaknesses are its susceptible rating to powdery mildew and moderate susceptibility to low-pH soils.

**Doublestop CL Plus** - 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 wheat streak mosaic. Doublestop CL+ is tall, late-maturing wheat with a great disease leaf package, especially with stripe and stem rust.

**Strad CL Plus** – Variety from OGI. A two-gene Clearfield variety, the primary motivation for its release in 2020 was to provide a more aggressive fall canopy growth and earlier maturing alternative to Doublestop CL with little to no sacrifice in exceptional agronomic and quality profile.

**Canvas** – Variety from PlainsGold A high-yielding hard red winter wheat with medium-maturity, medium-short height, with strong straw strength, and very good stripe and stem rust resistance.

**Whistler** – Variety from PlainsGold. Late-maturing variety with a taller stature. Excellent disease package with resistance to powdery mildew, stripe rust, stem rust. Also, solid resistance to wheat streak mosaic virus and soilborne mosaic virus. Weaknesses marginal stray strength under high yield environments and moderately susceptible to leaf rust.

**High Country** – Variety from Polansky seed. This is an early maturing, medium height variety for the high plains. Equipped with leaf rust tolerance, average WSMV and SBMV tolerance, however is susceptible to stripe rust. Shatter resistance is excellent.

**Rock Star** – New variety from Polansky seed. Medium-season wheat suited to the central corridor of Kansas. Strengths include good ratings for fusarium head blight, leaf rust, and stripe rust. It also has good straw strength.

**AP EverRock** – New variety from AgriPro intended for central Kansas for dryland and irrigated production. Has excellent tolerance to low pH soils, and barley yellow dwarf virus. It looks showy with fall forage for grazing opportunities. It is medium-short in height and medium-early maturity.

**Bob Dole** – Variety from KSU marketed by AgriPro. It is meant for the central corridor and comes with excellent tolerance to rust and some tolerance to scab. Bob Dole has a good overall disease package with resistance to leaf, stem, 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.

**SY Monument** – Variety from AgriPro/Syngenta variety that is positioned for central and western Kansas. SY Monument has good disease package with stripe rust, leaf rust, and stem rust resistance. Monument tillers well and is a consistent performer.

**SY Wolverine** – New variety from AgriPro. An early-maturing variety has good standability and excellent yield potential in the central plains. Optimal for grain plus limited grazing. Strengths SY Wolf type disease tolerance to leaf spotting and bacteria, Improved WSMV complex tolerance, early maturing with stiff straw. Weaknesses are susceptible to aluminum in low pH soils.

**WB 4401** – Variety from WestBred is an early-medium variety medium in height with average straw strength. It rates intermediate for head scab (FHB). It has excellent early-season vigor for grazing potential. Best adapted east of highway 281. Also good candidate for double cropping due to its exceptional fall vigor and rapid emergence.

**WB 4422** – Variety from WestBred

**WB 4523** – Variety from WestBred

**WB 4699** – Variety from WestBred is a newer variety positioned along the I-35 corridor and to the east. Holds winter dormancy well, has a very good overall disease package, and has excellent yield potential.