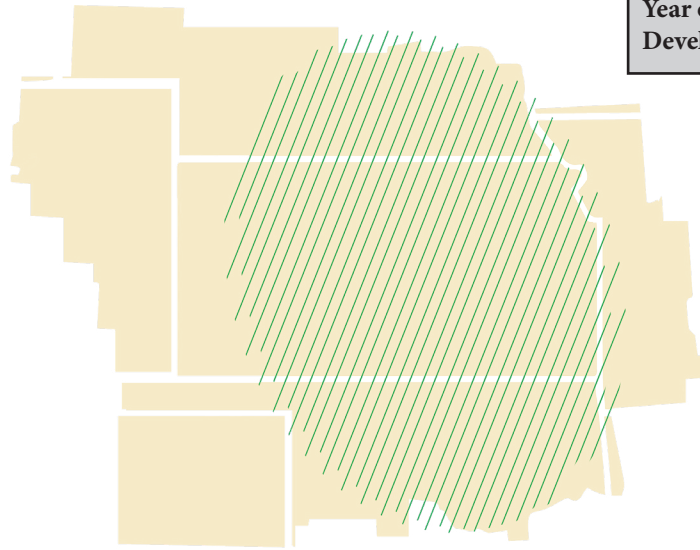


KS PROVIDENCE

Hard Red Winter Wheat

Optimal economic uses

- Grain only
- Grain plus limited grazing
- Heavy grazing plus grain
- Pasture graze-out



Pedigree: KS060634K-8/KS040640K-1
Variety protection status: Applied for
Year of release: 2022
Developer: Kansas State University

Characteristics

Barley yellow dwarf	Intermediate
Hessian Fly	Susceptible
Leaf Rust	Resistant
Stem Rust	Moderately Resistant
Stripe Rust	Intermediate
Powdery Mildew	Moderately Resistant
Scab	Intermediate
Septoria Leaf Blotch	Intermediate
Soilborne mosaic	Resistant
Tan Spot	Moderately Resistant
Wheat Streak Mosaic	Intermediate
Acid Soil Tolerance	Moderately Tolerant/Intermediate
Coleoptile Length	Very Long
Drought Tolerance	Good to Very Good
Early Spring Greenup	Average
Fall Ground Cover Capability	Good
Fall Grazing Potential	Good
Height	Medium
Maturity (Heading Date)	Medium
Protein	Somewhat higher than most
Quality: Baking	Acceptable
Quality: Milling	Acceptable
Seed Size	Medium
Shattering Reputation	Good
Straw Strength	Very Good
Test Weight	Good to Very Good
Tillering	High
Winterhardiness	Very Good
Overall Yield Record Where Adapted	Exceptional

Comments

KS Providence is an extremely high yielding variety with good resistance to leaf and stem rust. It is intermediate to stripe rust, resistant to soil-borne mosaic virus and has an intermediate response to acid soils, good down to 5.5 pH. The FHB resistance will likely be adequate for producers in the central corridor. The primary benefit of this line is very high yield potential.

Strengths:

- High yield
- Very consistent performance across the region

Weaknesses:

- Consider use of foliar fungicide for top yield

Special notes on cultural practices:

- Acid soil tolerance is good down to 5.5 pH with starter