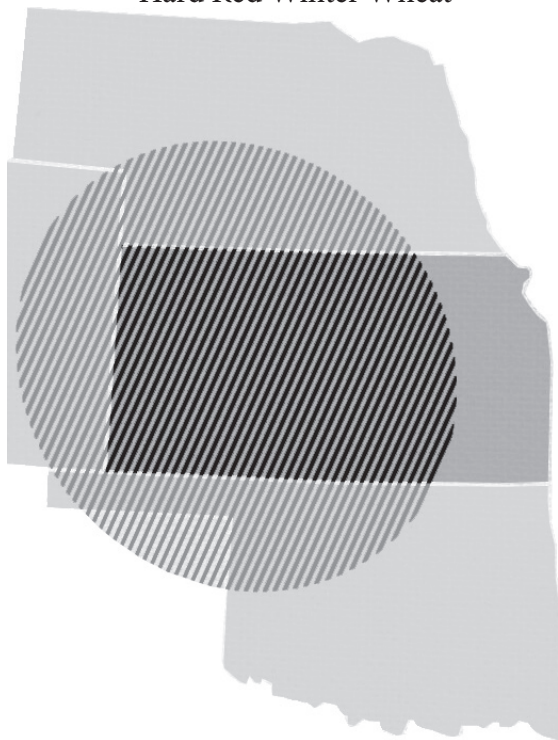


KS WESTERN STAR

Hard Red Winter Wheat

Optimal economic uses

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



Pedigree: Byrd/KS05HW121-2
Variety protection status: Pending
Year of release: 2019
Developer: Kansas State University

Characteristics

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

Comments

KS Western Star is a hard red winter wheat variety from Kansas Wheat Alliance. It has medium maturity and medium height. Its drought tolerance is very good. It has performed well in western Kansas and several central Kansas regions.

KS Western Star has moderate resistance to both stripe rust and leaf rust. It does not have the resistant gene for wheat streak mosaic virus; however, it has the wheat curl mite resistance gene and shows resistance to wheat streak mosaic virus in the field. It has moderate resistance to the Triticum mosaic virus, which causes symptoms similar to wheat streak mosaic disease. It has intermediate resistance to barley yellow dwarf virus and scab.

KS Western Star has strong straw and very good shattering tolerance. KS Western Star has good test weight, and good milling and baking qualities.

Strengths:

- Very good drought tolerance
- Resistance to wheat curl mite and Triticum mosaic virus
- Good straw strength and good quality

Weaknesses:

- Susceptible to Hessian fly