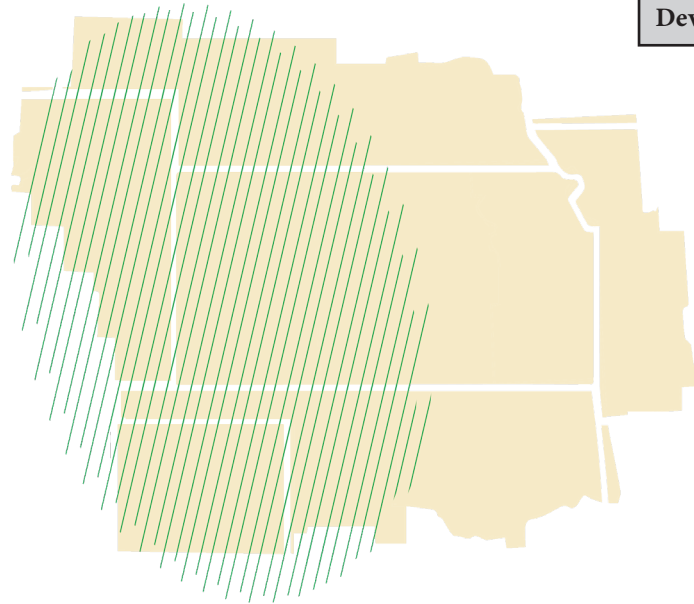


KS BIG BOW

Hard White Winter Wheat

Optimal economic uses

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



Pedigree: KS050223M-2/KS11W15
Variety protection status: SSU
Year of release: 2022
Developer: Kansas State University



Characteristics

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

Comments

KS Big Bow is a high yielding hard white winter wheat with medium height and medium maturity. It has good drought tolerance and disease resistance suitable for the central High Plains. It has consistently out-yielded Joe, the dominant white wheat variety in the region for several years.

Compared to Joe, KS Big Bow has improved yield, straw strength, sprouting tolerance, longer coleoptile length and better baking quality. KS Big Bow also has WSMV resistance, stripe and stem rust resistance similar to Joe.

Strengths:

- High yield potential
- Drought tolerance
- WSMV resistance

Weaknesses:

- Susceptible to *Triticum* mosaic virus
- Susceptible to scab
- Susceptible to Hessian fly

