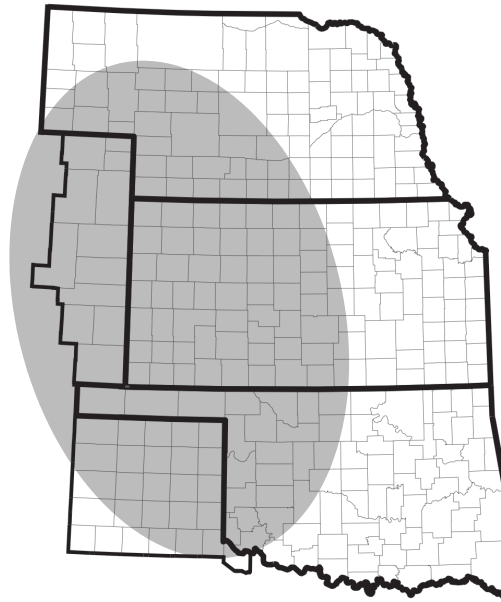


KS BIG BOW

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: Contemplated
Year of release: 2022
Developer: Kansas State University

Characteristics

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

Comments

KS Big Bow is a hard white winter wheat with medium height and medium maturity. It is suitable for central high plains with high yield potential, good drought tolerance, and good disease resistance. 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, drought tolerance, straw strength, sprouting tolerance, 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