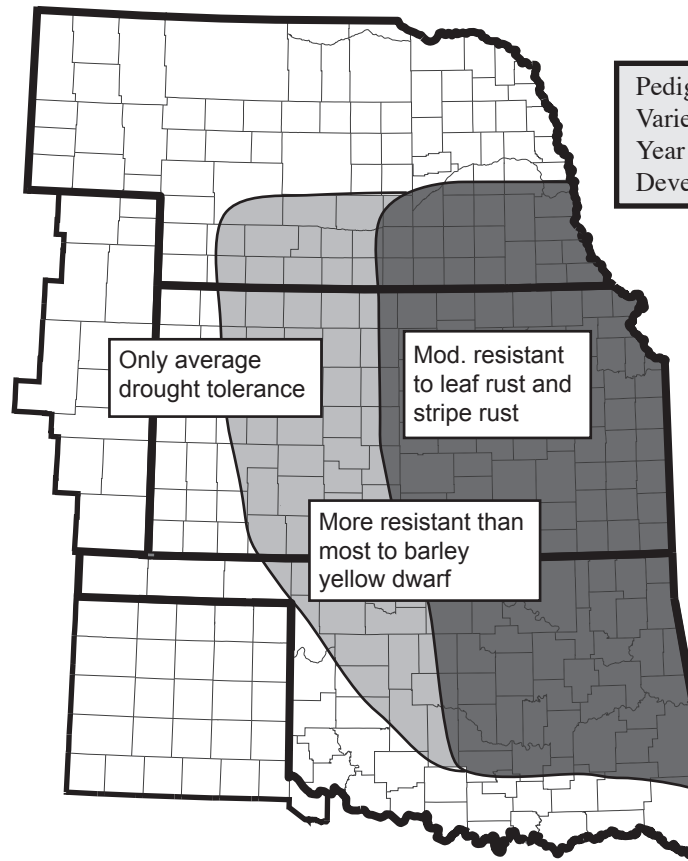


EVEREST

Optimal economic uses:

- XX** Grain only
- X** Grain plus limited grazing
- Heavy grazing plus grain
- Pasture graze-out



Pedigree: Pioneer experimentals, Betty
 Variety protection status: PVP
 Year of release: 2009
 Developer: Kansas State University

Characteristics

- Barley yellow dwarf:** More resistant than most
- Hessian fly:** Moderately resistant
- Leaf rust:** Moderately resistant
- Powdery mildew:** Moderately resistant
- Scab:** Moderately resistant
- Septoria leaf blotch:** Moderately resistant
- Soilborne mosaic:** Resistant
- Stem rust:** Moderately susceptible
- Stripe rust:** Moderately resistant
- Tan spot:** Moderately susceptible
- Wheat streak mosaic:** Moderately susceptible

- Acid soil tolerance:** Tolerant
- Coleoptile length:** Medium
- Drought tolerance:** Average
- Early spring greenup:** Intermediate
- Fall ground cover capability:** Average
- Grazing potential in fall:** Average
- Height:** Medium
- Maturity (heading date):** Early
- Protein:** Average
- Quality-Baking:** Less desirable
- Quality-Milling:** Exceptional
- Seed size:** Large
- Shattering reputation:** Very good
- Straw strength:** Good
- Test weight:** Very good
- Tillering:** Good
- Winterhardiness:** Very good
- Overall yield record where adapted:** Excellent

Comments

This new variety from Kansas Wheat Alliance had an excellent year in both the 2011 and 2010 K-State tests. Field reports from 2011 have been excellent in Kansas, as well. It has many good traits for eastern and central Kansas, Oklahoma, and Nebraska. It has Hessian fly resistance and good tolerance to scab. It is more resistant to barley yellow dwarf than most varieties, but will become infected under moderate to heavy pressure. It is moderately resistant to the new race of stripe rust and to leaf rust.

Everest has better straw strength than Fuller, and is similar in plant height to Fuller. Everest seems to tolerate mid-season drought stress well, but does not tolerate early-season drought in the fall. It sets most of its tillers in the fall, and needs to get established well and start tillering in the fall to do well. When conditions are very dry in the fall, Everest may not perform well. It is well-suited for irrigation. It has very good shattering resistance.

Strengths:

- Moderately resistant to scab
- Moderately resistant to Hessian fly
- Excellent yield potential
- More resistant than most to barley yellow dwarf
- Moderately resistant to stripe rust

Weaknesses:

- Moderately susceptible to tan spot
- Less desirable baking quality

Special notes on cultural practices:

- In continuous no-till wheat situations, watch out for tan spot disease.