



## NuPRIDE GENETICS NETWORK

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# Byrd Hard Red Winter Wheat

Byrd is an awned, white-glumed, hard red winter wheat developed by the Colorado Agricultural Experiment Station. Byrd was released based on its high grain yield in dryland and irrigated production in eastern Colorado and adjacent states, resistance to stripe rust and to Ug-99 race of stem rust (and its derivatives), and superior milling and bread baking quality characteristics.

**Origin and Pedigree:** Byrd (experimental line CO06424) was selected from the cross TAM 112/CO970547-7. TAM 112 is a hard red winter wheat cultivar released by Texas A&M University in 2005 (PI 643143) and CO970547-7 is an unreleased experimental line from the Colorado State University wheat breeding program (pedigree Ike/Halt).

**Maturity:** Byrd is a medium maturing variety about one day earlier than Hatcher and one day later than Ripper.

**Height/Standability:** Byrd is medium-height 1.5 inches taller than Hatcher and 2 inches taller than Ripper. Coleoptile length is similar to Hatcher, shorter compared to Ripper (medium-long). Straw strength of Byrd appears to be slightly better than Hatcher and Snowmass; observations of severe lodging of Byrd have only been made under extremely high yielding irrigated conditions.

**Disease/Insect Reaction:** Byrd is moderately resistant to strip rust and resistant to Ug99 stem rust and its derivatives. It is also moderately resistant to Powdery Mildew. It is moderately susceptible to leaf rust and US races of stem rust. Byrd is moderately susceptible to wheat streak mosaic virus and barley yellow dwarf virus and susceptible to Hessian Fly.

**Adaptation/Management:** In positioning Byrd it should be well adapted to most irrigated and many rainfed wheat production systems in Eastern Colorado and West-central plains.

**Seed Classes:** Breeder, Foundation, Registered and Certified.

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