



NuPRIDE GENETICS NETWORK

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Denali Hard Red Winter Wheat

Denali is an awned, white-glumed, hard red winter wheat. Denali was released based on its superior grain yield under non-irrigated and irrigated production conditions across the High Plains region, its high test weight, and its resistance to stripe rust.

Origin and Pedigree: Denali is a hard red winter wheat cultivar developed by the Colorado Agricultural Experiment Station and released in 2011. Denali was selected from the cross CO980829/TAM 111. CO980829 is an unreleased experimental line from the Colorado State University wheat breeding program (Yuma/Turcikum 57//CO850034/3/4*Yuma/4/NEWS12 pedigree). TAM 111 is a hard red winter wheat cultivar released by Texas A&M University in 2002 (PI 631352).

Maturity: Denali is medium-late maturing, significantly later heading than Hatcher.

Height/Standability: Denali is a medium-tall hard red winter wheat. Coleoptile length is similar to Hatcher, intermediate to Ripper (medium-long) and Bill Brown (short). Straw strength of Denali appears to be better than Hatcher and Snowmass; observations of severe lodging of Denali have only been made under extremely high yielding irrigated conditions.

Disease/Insect Reaction: Denali is moderately resistant to stem rust and resistant to stripe rust. It is susceptible to leaf rust and wheat streak mosaic virus. Denali is resistant to Hessian fly and susceptible to Russian wheat aphid Biotype1 & 2.

Adaptation/Management: In positioning Denali it should be well adapted to non-irrigated and irrigated production conditions across the High Plains region.

Seed Classes: Breeder, Foundation, Registered and Certified.