

ND GRANO

DURUM

NDSU NORTH DAKOTA
STATE UNIVERSITY



Characteristics

Yield	High Potential
Stem Rust	Resistant
Leaf Rust	Resistant
Foliar Disease¹	Intermediate
Head Scab²	MS
Test Weight	High
Overall Quality³	Good

¹ Foliar Disease = reaction to tan spot and septoria leaf spot complex.

² MS = moderately susceptible.

³ Overall Quality is determined based on agronomic, milling and spaghetti processing performance.

ND GRANO Durum

ND Grano durum was released in 2017. The North Dakota Crop Improvement and Seed Association has rights to production and distribution of seed. ND Grano has high yield potential and excellent agronomic traits. This variety has very good test weight and medium maturity. ND Grano has similar yield to Carpio and good straw strength. Compared with Carpio and Joppa, ND Grano has higher test weight, smaller kernels and similar height. ND Grano is resistant to both leaf and stem rust diseases. Fusarium head blight disease severity of ND Grano is similar to Joppa. ND Grano had higher DON accumulation than Carpio and Joppa. ND Grano has low cadmium uptake, lower than the well-known low cadmium uptake Canadian variety, AC Strongfield. End use quality characteristics of color and firmness are very favorable for ND Grano. To help ensure genetic purity, this variety is protected under Plant Variety Protection Title V and must be sold as a class of certified seed.

Agronomic traits of ND Grano and other durum varieties grown at various locations in MN, MT, ND and SD, 2013-2017.

	ND GRANO	ND RIVELAND	JOPPA	CARPIO	TIOGA	DIVIDE	AC STRONGFIELD	ALKABO
Yield (bu/acre)	62.5	66.4	62.8	62.6	62.2	61.2	60.3	59.5
Test Weight (lbs/bu)	60.2	60.1	60.0	59.9	59.7	59.8	58.9	60.2
Height (inches)	33.7	35.7	33.7	34.1	35.9	34.8	33.7	33.2
Cadmium (ppb)	43	39	120	146	135	130	48	154

STRENGTHS

- High yield potential
- Good quality
- Low Cd uptake

