

Other Durum varieties

released by the North Dakota
Agricultural Experiment Station:

Alkabo – (2005) High yield potential, especially in northwestern North Dakota. Large kernel size, good quality and very strong straw.

Divide – (2005) Excellent quality with high yield potential, great yield stability and some tolerance to FHB.

Pierce – (2001) Excellent balance of quality and yield.

Lebsock – (1999) Very high test weight with great yield potential and good quality.

Mountrail – (1998) Average quality rating with great yield. Slightly later maturity.

For information on the availability of Foundation seed contact:

NDSU Research/Extension Centers

Agronomy Seed Farm, Casselton.....347-4743
Carrington Research Extension Center.....652-2951
Hettinger Research Extension Center567-4323
Langdon Research Extension Center.....256-2582
North Central Research Ext. Center.....857-7679
Williston Research Extension Center774-4315

Or

NDSU Foundation Seedstocks Project
P.O. Box 5051
Fargo, ND 58105-5051

701-231-8140

www.ag.ndsu.nodak.edu/aginfo/seedstock/fss/

Plant Quality Certified Seed

Certified seed is field inspected and lab analyzed to help ensure variety identity, germination, and purity. Contact your local seed producer or dealer for quality certified seed.

Seed producers or dealers can be found in the North Dakota Field Inspected Seeds Directory. The directory is available from the North Dakota State Seed Department (NDSSD), North Dakota Crop Improvement & Seed Association, your local county agent, or under the field seeds program of the NDSSD website. www.ndseed.com



Varieties protected under PVPA with Title V option can only be sold as a certified class of seed. **It is the responsibility of the buyer and/or seller to confirm the PVP status of a specific crop variety prior to buying or selling the variety.** PVP status information can be obtained from the ND State Seed Department.

NDSU[®]

AGRICULTURE

Grenora Durum



North Dakota
CROP IMPROVEMENT
& SEED ASSOCIATION

www.ndcropimprovement.org

Grenora Durum

Grenora was developed by the NDSU Durum Breeding Program and released by the North Dakota Agricultural Experiment Station in 2005. The direct parentage of Grenora includes two NDSU experimental lines. Grenora durum is named for the northwest North Dakota town of Grenora, but is well-adapted to the entire durum producing region of North Dakota.

Grenora has shown excellent yield potential in NDSU yield trials as well as very good yield stability across multiple environments. Grenora matures slightly earlier than other durum varieties rated as medium for maturity, specifically about 1 to 2 days earlier than 'Divide.'

Grenora has been given an overall quality rating of 'Good' by the NDSU Cereal Chemists. The overall quality rating is based on agronomic, milling and spaghetti processing performance.

To help ensure genetic purity, 'Grenora' Durum will be protected under PVPA Title V and must be sold as a class of certified seed.

For more information about Grenora and other durum varieties visit www.ag.ndsu.nodak.edu/aginfo/variety/index.htm or contact the NDSU durum breeder or small grains agronomist at 701-231-7979.



Grenora General Characteristics

- Great yield
- Good overall quality
- Strong straw
- Medium maturity
- White chaff
- Medium height

Grain yield of Grenora and other durum varieties grown in NDSU variety trials at several sites in North Dakota, 2002-2005.

Variety	Carrington	Langdon	Minot ¹	Dickinson	Hettinger	Williston
Grenora	62.4	79.0	84.4	47.2	42.3	48.3
Divide	64.5	78.0	83.3	45.9	39.2	49.3
Alkabo	58.4	78.3	71.6	46.3	39.2	49.3
Pierce	59.2	73.3	84.5	46.2	37.7	45.7
Mountrail	61.2	76.4	75.8	45.6	42.1	46.5
Lebsock	61.1	74.5	73.4	44.4	40.8	47.4
Ben	58.6	71.4	74.9	44.0	40.1	45.4

¹Minot data includes 2005 only.

Agronomic traits of Grenora and other durum varieties in the NDSU variety trials, 2002-2005.

Variety	Grain Yield ¹ (bu/ac)	Test Weight ² (lb/bu)	Protein ² (%)	Height ³	Maturity ³	Straw Strength ³	FHB ^{3,4}	Stem Rust ^{3,4}	Leaf Rust ^{3,4}	Foliar Disease ^{3,4}
Grenora	60.6	57.3	15.7	Medium	Medium	Strong	MS	R	R	M
Divide	60.0	58.1	16.0	Medium	Medium	Strong	MR	R	R	M
Alkabo	57.2	58.6	15.5	Medium	Medium	Very Strong	MS	R	R	M
Pierce	57.8	58.4	16.0	Medium	Medium	Medium Strong	MS	R	R	MS
Mountrail	57.9	57.0	16.0	Medium	Late	Strong	MS	R	R	M
Lebsock	56.9	59.1	15.6	Medium	Medium	Strong	MS	R	R	M
Ben	55.7	58.1	16.2	Medium	Medium	Strong	MS	R	R	MR

¹Carrington, Langdon, Dickinson, Hettinger and Williston, 2002-2005; Minot, 2005.

²Carrington, Minot, Williston, Dickinson and Hettinger, 2005.

³2005 variety descriptions provided by NDSU scientists based on several years of testing.

⁴R = Resistant, MR = Moderately resistant (slow rusters), M = intermediate, MS = Moderately susceptible, S = Susceptible, VS = Very susceptible; Foliar Disease = reaction to tan spot and septoria leaf spot complex.