

Other HRSW varieties

recently released by the North Dakota Agricultural Experiment Station:

Mott – (2009). Resistance to the wheat stem sawfly. Adapted to the western region where saw fly is prevalent. Resistant to Stagonospora leaf blotch. Good milling and baking characteristics, with good protein content, higher loaf volume, and strong mix characteristics.

Faller – (2007). Very high yields. Good milling and baking characteristics. Moderately resistant to scab. Good protection against stem and leaf. Best adapted to eastern and central North Dakota.

Howard – (2006). Very high yield potential. Good leaf disease protection. FHB (scab) tolerance similar to Steele-ND. Best adapted to central and western regions of North Dakota.

Glenn – (2005). Scab resistance, yield, and straw strength superior to 'Alsen'. High protein and very good milling and baking characteristics. Extremely high test weight.

Steele-ND – (2004). Great yield potential and excellent milling/baking quality. Outstanding protection against fungal leaf diseases with some protection against FHB (scab).

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 Center.....567-4323
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 6050, Fargo, ND 58108-6050
(701) 231-8140
www.ag.ndsu.nodak.edu/aginfo/seedstock/fss/

Plant Quality Certified Seed

Certified seed is a guarantee for 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



All varieties listed in the brochure are protected under PVPA Title V and must be sold as a class of certified seed.

Every seed lot sold must be accompanied by a seed analysis tag or certificate.

NDSU[®]

AGRICULTURE

Barlow

Hard Red Spring Wheat



www.ndcropimprovement.org

Barlow

Hard Red Spring Wheat

Barlow was developed by the Hard Red Spring Wheat Breeding Program at North Dakota State University and released by the North Dakota Agricultural Experiment Station in the spring of 2009.

Barlow has high grain yield better or at least equal to Glenn, Alsen, and Reeder. It tends to perform relatively well in Central and Western ND but still very competitive in Eastern regions of the State. It has medium straw strength.

Barlow is a conventional to semi-dwarf height variety, with an early to medium early maturity. Barlow has high water absorption and test weight. Overall, it has excellent milling and baking qualities better than Reeder and Faller and similar to Alsen and other common NDSU cultivars.

Barlow possesses an excellent disease resistance package. It is moderate resistant/moderate susceptible to scab. It is resistant to leaf and stem rust, and both Septorias and Race 3 of Tan Spot.

Foliar and head disease reaction of Barlow.

	Barlow	Faller	Glenn	Howard
Leaf Rust Reaction ¹	R	R	R	R
Stem Rust	R	R	R	R
FHB Reaction ¹	MR/MS	MR/MR	MR/R	MS

¹R=resistant; MR=moderately resistant; MS=moderately susceptible; S=susceptible.

Barlow

General Characteristics

- High yield potential, particularly in western regions with good protection against scab
- Very good protein with overall milling and baking quality superior to 'Reeder'
- Very high water absorption and test weight
- Very comprehensive leaf disease package including excellent protection against leaf and stem rust

Agronomic performance of Barlow across the western region of N.D., 2006-2008.

	Barlow	Reeder	Glenn	Howard	Locs. ¹
Yield (bu/acre)	41.7	41.5	39.5	40.1	50
Days to Heading	60	61	59	60	23
Height (inches)	30.9	28.2	30.6	29.5	47
Lodging Score ²	1.0	0.6	1.3	0.7	6
Test wt. (lbs/bu)	59.1	58.3	60.8	58.2	50
Protein (%)	15.6	15.5	15.7	15.3	50

¹Number of locations reported.

²Scale of 0 to 9, with 0 being the best.

Agronomic performance of Barlow across the eastern region of N.D., 2006-2008.

	Barlow	Faller	Glenn	Howard	Locs. ¹
Yield (bu/acre)	66.9	74.1	64.7	68.7	30
Days to Heading	57	59	56	58	28
Height (inches)	34.6	33.4	35.5	34.7	28
Lodging Score ²	1.8	1.5	1.1	1.7	12
Test wt. (lbs/bu)	61.3	60.4	63.0	61.4	30
Protein (%)	14.9	14.2	15.2	14.6	28

¹Number of locations reported.

²Scale of 0 to 9, with 0 being the best.



For more information about Barlow or other hard red spring wheat varieties refer to the most recent Spring Wheat Variety Selection Guide (www.ag.ndsu.edu/crops/guides.html) or contact the HRSW breeder at (701) 231-8478 or extension agronomist at (701) 231-7971.