Other HRSW varieties

released by the North Dakota Agricultural Experiment Station:

Steele-ND – (2004) High yield, great quality, and some scab resistance provided by a source different from Alsen.

Dapps – (2003) Exceptionally high grain protein with superb milling and baking characteristics and good yield.

Alsen – (2000) Tolerance to scab, good yield and standability with excellent milling and baking qualities.

Parshall – (1999) Very good combination of yield and quality.

Reeder – (1999) Exceptional yield, especially in the west, with good quality and great standability.

For information on the availability of Foundation seed contact a Foundation seed representative at:

(All 701 area codes)

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 Center	774-4315
NDSU Campus Office	231-8140

NDSU Foundation Seedstocks Project
P.O. Box 5051
Fargo, ND 58105-5051
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.state.nd.us/seed/**

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

Glenn

Hard Red Spring Wheat

North Dakota Crop Improvement & Seed Association
www.ndcropimprovement.org

Glenn
Hard Red Spring Wheat

Glenn was developed by the NDSU hard red spring wheat (HRSW) breeding program and released by the North Dakota Agricultural Experiment Station in the spring of 2005. Glenn was selected from the progeny of the cross: ND2831/Steele-ND. The experimental HRSW line ND2831 is a derivative of Sumai3 and has *Fusarium* head blight (scab) resistance similar to 'Alsen.' The objective of this cross was to combine the scab resistance sources of Alsen and Steele-ND, along with high yield, excellent quality, and standability into one package.

Data collected during the testing period indicate that Glenn provides scab resistance and yield potential superior to Alsen, along with improved standability, an improved leaf disease package, and equal or slightly better milling and baking quality.

The improved scab resistance and yield advantage of Glenn is especially evident in areas where disease pressure is high (i.e. Eastern North Dakota). Glenn also exhibits exceptionally high test weight. Glenn appears to have the potential to provide producers with an alternative for 'Alsen'.

For additional information

about Glenn and other HRSW varieties, refer to the most recent Spring Wheat Variety Selection Guide (www.ext.nodak.edu/extpubs/plantsci/smgrains/a574w.htm) or contact the HRSW breeder at (701) 231-8478 or extension agronomist at (701) 231-7971.

Glenn
General Characteristics

- Scab resistance, yield, and straw strength superior to 'Alsen'
- High protein and very good milling and baking characteristics
- Extremely high test weight
- Conventional height, awned variety with heading date similar to 'Alsen'

Agronomic performance of Glenn at Eastern North Dakota locations, 2003-2004.

	Yield (bu/acre)	Test Weight (lbs/bu)	Protein (%)	Lodging[1] (0-9)
Glenn	**77.9**	**64.4**	**15.0**	**0.7**
Alsen	73.4	59.7	14.9	1.1
Dapps	75.6	61.1	15.6	1.2
Parshall	73.7	59.9	14.9	1.3
Reeder	75.1	60.5	14.6	0.5
Steele-ND	80.5	59.7	14.8	1.9
(Station Years)	(17)	(17)	(9)	(10)

[1]Scored visually with 0 being the best.

Agronomic performance of Glenn at Western North Dakota locations, 2003-2004.

	Yield (bu/acre)	Test Weight (lbs/bu)	Protein (%)
Glenn	**53.7**	**60.8**	**16.6**
Alsen	55.1	59.8	16.3
Dapps	49.7	59.0	17.1
Parshall	55.7	59.4	16.4
Reeder	59.4	58.9	16.1
Steele-ND	55.0	60.2	16.3
(Station Years)	(10)	(10)	(8)

Disease reaction rating[1] of Glenn and other NDSU HRSW cultivars. Compiled from several greenhouse and field nurseries, 2002-2004.

	Glenn	Alsen	Dapps	Parshall	Reeder	Steele-ND
FHB	MR/R	MR	MS	MS	S	MR/MS
Leaf Rust	R	MR/MS	R/MR	MS/S	S	R/tMR
Stem Rust	R	R	R	R	R	R
Septoria Blotch	MS/MR	S	MS	MS	MS	R
Tan Spot	MS/MR	S	MR	MS	MR	MS/MR

[1]R = resistant, MR = moderately resistant, MS = moderately susceptible, S = susceptible