

## Other HRSW varieties

recently released by the North Dakota Agricultural Experiment Station:

**Barlow** – (2009). High yield potential. Very good protein with overall milling and baking quality. Very high water absorption and test weight. Excellent protection against leaf and stem rust.

**Mott** – (2009). It has 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.

**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 Center .....774-4315

Or

**NDSU Foundation Seedstocks Project**  
P.O. Box 6050, Fargo, ND 58108-6050  
(701) 231-8140  
[www.ag.ndsu.nodak.edu/aginfo/seedstock/fss/](http://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](http://www.ndseed.com). For additional information on becoming a seed producer contact NDSU Foundation Seedstocks.



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.



## ND901CL Plus

### Hard Red Spring Wheat



[www.ndcropimprovement.org](http://www.ndcropimprovement.org)

# ND901CL Plus

## Hard Red Spring Wheat

**ND901CL Plus** was developed by the Hard Red Spring Wheat Breeding Program at North Dakota State University and released by the North Dakota Agricultural Experiment Station (NDAES) in the spring of 2010.

This is the first Clearfield herbicide-resistant cultivar released by the experiment station. ND901CL Plus was selected from the first HRSW generation with the Clearfield resistance based on a two-gene system. Its parentage includes Grandin and Kulm, which are two HRSW released by NDAES. The sources of Clearfield resistance genes were from genotypes provided by the BASF Corp.

ND901CL Plus is recommended primarily for rain-fed wheat production in western North Dakota and counties in adjacent states where annual grasses, such as wild oats, brome and broadleaf weeds, are common.

ND901CL Plus is a semidwarf similar to Glenn. Its maturity date is medium-early, which is similar to Parshall and Steele-ND. It also has good straw strength. The disease package is somewhat weak; therefore, ND901CL Plus is recommended for western North Dakota, where disease resistance generally is not as critical.

ND901CL Plus has very good milling and baking properties in general, with a slightly low mixing time, but similar or better to that of Reeder. It is very high in protein similar to Dapps and has a test weight close to that of Alsen.

## ND901CL Plus

### General Characteristics

- Clearfield herbicide-resistant
- Semidwarf with medium-early maturity
- Good milling and baking characteristics with high protein levels
- Resistant to medium-resistant to leaf rust, medium-susceptible to medium-resistant to stem rust and other leaf diseases, susceptible to scab

### Agronomic performance of ND901CL Plus across the western region of N.D., 2007-2009.

	ND901CL Plus	Faller	Glenn	Steele-ND	Locs. <sup>1</sup>
Yield (bu/acre)	43.3	48.5	46.4	46.7	43
Days to Heading	64	63	59	61	21
Height (inches)	31.4	29.4	31.7	30.9	39
Lodging Score <sup>2</sup>	0.7	1.5	2.8	2.4	5
Test wt. (lbs/bu)	59.4	57.2	61.2	58.9	43
Protein (%)	15.9	14.6	15.4	15.1	42

<sup>1</sup>Number of locations reported.

<sup>2</sup>Scale of 0 to 9, with 0 being the best.

### Agronomic performance of ND901CL Plus across North Dakota, 2007-2009.

	ND901CL Plus	Faller	Glenn	Steele-ND	Locs. <sup>1</sup>
Yield (bu/acre)	49.0	59.5	54.6	55.3	73
Days to Heading	61	60	57	59	35
Height (inches)	32.7	31.3	33.6	32.8	44
Lodging Score <sup>2</sup>	0.9	2.3	2.2	2.5	16
Test wt. (lbs/bu)	59.5	58.1	61.7	59.5	72
Protein (%)	15.8	14.4	15.2	14.9	72

<sup>1</sup>Number of locations reported.

<sup>2</sup>Scale of 0 to 9, with 0 being the best.



**For more information** about ND901CL Plus or other hard red spring wheat varieties refer to the most recent Spring Wheat Variety Selection Guide ([www.ag.ndsu.edu/crops/guides.html](http://www.ag.ndsu.edu/crops/guides.html)) or contact the NDSU HRSW breeder (Mohamed Mergoum) at 701-231-8478 or extension agronomist (Joel Ransom) at 701-231-7971.