

## Other HRSW varieties

released by the North Dakota  
Agricultural Experiment Station:

**Dapps** – (2003) Superb milling and  
baking characteristics with good yield.

**Alsen** – (2000) Tolerance to *Fusarium*  
head blight (scab) with good yield,  
quality, and standability.

**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:

### 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 5051  
Fargo, ND 58105-5051  
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 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](http://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<sup>®</sup>

## AGRICULTURE

# Steele-ND

Hard Red Spring Wheat



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

# Steele-ND

## Hard Red Spring Wheat

**Steele-ND** was developed by the hard red spring wheat HRSW breeding program at North Dakota State University and released by the North Dakota Agricultural Experiment Station in the spring of 2004. Steele-ND is a high yielding, high quality variety which exhibits some tolerance to *Fusarium* head blight (scab). Steele-ND was selected from the progeny of the cross: Parshall/ND706. Parshall is a variety with excellent quality and great agronomic traits. The experimental HRSW line ND706 is a sister line of 'Glupro' that was never released as a variety.



### Foliar and head disease reaction of Steele-ND (Summary of multiple field and greenhouse screenings; 2001-2003)

Location	Steele-ND	Alsen	Parshall	Reeder
Leaf Rust Reaction <sup>1</sup>	R	MR	MS/S	S
FHB Reaction	MR/MS	MR	MS	S

<sup>1</sup>R=resistant; MR=moderately resistant; MS=moderately susceptible; S=susceptible.

## Steele-ND

### General Characteristics

- High yield potential with some protection against scab
- Very comprehensive leaf disease package including excellent protection against leaf and stem rust
- Very good protein with overall milling and baking quality superior to 'Reeder'
- Semi-dwarf, awned variety with heading date roughly 1.5 days later than 'Reeder' and height intermediate to 'Parshall' and 'Reeder'

### Grain yield (bu/acre) of Steele-ND at six North Dakota locations, 2001-2003<sup>1</sup>

Location	Steele-ND	Alsen	Parshall	Reeder
Langdon	67.1	63.2	69.8	68.0
Carrington	61.9	55.8	57.8	56.5
Minot	63.8	64.0	62.1	68.0
Dickinson	49.7	48.3	48.1	51.5
Williston	66.3	65.3	61.9	70.3
Hettinger	34.4	32.8	32.0	34.6

<sup>1</sup>Relatively low levels of foliar and head disease pressure were experienced during these growing seasons.



### Agronomic Performance of Steele-ND at seven North Dakota locations<sup>1</sup>, 2001-2003

Location	Steele-ND	Alsen	Parshall	Reeder
Days to Heading	61.1	59.5	59.6	59.5
Height (inches)	33.4	31.4	34.9	31.5
Lodging Score <sup>2</sup>	2.7	1.9	1.8	1.5
Test wt (lbs/bushel)	59.2	59.2	59.4	59.8
Protein (%)	15.7	16.0	15.8	15.5

<sup>1</sup>Prosper, Carrington, Langdon, Minot, Williston, Dickinson, and Hettinger.

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

### For additional information

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