

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/

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

Steele-ND

Hard Red Spring Wheat



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 ¹	R	MR	MS/S	S
FHB Reaction	MR/MS	MR	MS	S

¹R=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, 2001-2003¹

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

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



Agronomic Performance of Steele-ND at seven North Dakota locations¹, 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 ²	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

¹Prosper, Carrington, Langdon, Minot, Williston, Dickinson, and Hettinger.

²Scale 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) or contact the HRSW breeder or extension agronomist at 701-231-7971.