

Other HRSW varieties

recently released by the North Dakota Agricultural Experiment Station:

Elgin-ND – (2013). Very high grain yield potential and protein. Good leaf disease resistance package with moderate resistance to scab.

Prosper – (2011). Very high grain yield, medium early maturity. Average protein and test weight. Good milling and baking properties. Good leaf disease package and medium resistant to scab.

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.

For information on the availability of Foundation seed, contact:

NDSU Research/Extension Centers

Agronomy Seed Farm, Casselton.....(701) 347-4743

Carrington Research Extension Center...(701) 652-2951

Hettinger Research Extension Center.....(701) 567-4323

Langdon Research Extension Center.....(701) 256-2582

North Central Research Ext. Center,

Minot(701) 857-7679

Williston Research Extension Center(701) 774-4315

Or

NDSU Foundation Seedstocks Project

(701) 231-8140

www.ndfss.com

For additional information

about ND VitPro or other hard red spring wheat varieties refer to the most recent Spring Wheat Variety Selection Guide A574. The HRSW breeder or Extension agronomist can also be contacted at 701-231-7971, or visit www.ag.ndsu.edu/ndsuag/crops.

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 Seed Directory. The directory is available from the North Dakota State Seed Department (NDSSD), your NDSU Extension Service agent, or under the field seed program of the NDSSD website.

www.ndseed.com



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 NDSSD.

NDSU[®]

AGRICULTURE

ND VitPro

Hard Red Spring Wheat



www.ndcropimprovement.com

ND VitPro

Hard Red Spring Wheat

ND VitPro 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 2017. ND VitPro is widely adapted to the North Dakota spring wheat region.

ND VitPro has improved straw strength over recent NDSU varieties. Plant height of ND VitPro is similar to Faller and Prosper and approximately 1 inch shorter than Glenn. It has medium early maturity similar to Barlow and approximately 2 days earlier than Faller.

ND VitPro has high grain protein that is comparable with Linkert. Test weight is also high, most similar to Glenn. Overall, ND VitPro has outstanding kernel and milling traits. Vitreous kernel percentage of ND VitPro was higher than all entries, including Glenn.

ND VitPro is moderately resistant to all prevailing races of stem rust and has moderate scab resistance, most similar to Glenn. ND VitPro shows good adult plant resistance to leaf rust and stripe rust, most similar to Linkert.

To help ensure genetic purity, ND VitPro wheat will be protected under PVPA Title V and must be sold as a class of certified seed.

Disease Reaction of ND VitPro

	Leaf Rust ¹	FHB Index ²
ND VitPro	10.4	31.03
Glenn	24.6	29.97
Barlow	17.2	32.52
Elgin-ND	21.0	35.37
Faller	29.2	29.72
Linkert	11.0	39.37
Prosper	32.9	29.34
SY Soren	11.3	38.26
WB Mayville	10.3	54.8

¹Inoculated field leaf rust severity

²Fusarium Head Blight index

ND VitPro General Characteristics

- Improved straw strength
- High protein and test weight
- Good disease resistance
- Outstanding vitreous kernel percentage and kernel and milling traits



Statewide Agronomic Data (2014-2016)

Variety	Grain Yield	Grain Protein	Days to Heading	Plant Height	Lodging	Kernel Weight	Test Weight
ND VitPro	64.7	15.1	58.3	34.5	1.5	34.7	61.1
Barlow	65.4	14.7	58.0	35.4	2.2	34.5	60.4
Bolles	63.9	15.7	61.2	34.1	1.8	34.1	59.1
Elgin-ND	68.2	14.5	59.6	36.9	1.9	32.1	59.1
Faller	71.7	13.5	60.9	34.7	2.1	36.4	59.1
Glenn	63.4	14.8	57.9	35.9	1.6	33.6	61.5
Linkert	67.0	15.0	59.4	30.8	0.5	35.9	59.8
Prosper	70.1	13.6	60.6	34.8	2.4	37.1	59.2
Rollag	69.0	14.8	58.9	32.1	1.3	34.4	60.5
SY Soren	65.6	14.5	59.1	31.2	1.2	29.5	59.7
WB Mayville	65.0	14.6	58.0	30.2	0.8	37.0	59.2