



# ND FROHBERG

## HARD-RED SPRING WHEAT



### Characteristics

Yield	High Potential
Stem Rust	MR
Leaf Rust	MS
Head Scab	MR
Test Weight	High

## ND FROHBERG

ND Frohberg is a hard-red spring wheat variety developed by North Dakota State University Spring Wheat Breeding Program and released by the North Dakota Agricultural Experiment Station in 2021. The North Dakota Crop Improvement and Seed Association (NDCISA) has rights to production and distribution of seed. ND Frohberg is a wheat variety with good yield potential, strong end-use quality and very good disease resistance. It is medium-tall, similar to Barlow with straw strength most similar to Glenn. ND Frohberg carries the leaf rust gene Lr34 and has shown moderate resistance in adult plants. It has also shown high levels of resistance to bacterial leaf streak. The Fusarium head blight resistance is Sumai-3 derived, with resistance similar to Elgin-ND and Barlow. It has shown strong milling and baking quality during its testing, with mixograph scores similar to Glenn. In drill strip plots in 2018, its Farinograph stability was most similar to Glenn and Farinograph absorption most similar to Barlow. It has been yield tested in over 60 environments in the past four years, and has had a yield similar to SY Ingmar in western locations, and similar to Barlow in eastern locations. The pedigree of the line is (ND709-9/ND2902). ND709-9 was an experimental line with the pedigree (ND 2709/3/GRANDIN\*3//RAMSEY/ND 622). ND2902 was an experimental line with the pedigree (ND674//ND2710/ND688). The line was both crossed and derived by Dr. Richard Frohberg.

### STRENGTHS

- Good Straw Strength
- Excellent Disease package
- Strong end-use Quality



**Agronomic traits for ND Frohberg and other HRSW varieties grown at various locations across ND, 2018-2020.**

	PLANT HEIGHT	LODGING	TEST WEIGHT	WHEAT PROTEIN	GRAIN YIELD
WESTERN	INCHES	0-9	LB/BU	%	BU/AC
Faller	28.79	1.30	59.69	14.74	53.55
Glenn	30.06	0.81	62.44	15.36	48.77
Langmn	28.25	0.55	60.52	15.33	51.82
Lanning	28.26	0.86	59.35	15.43	52.41
ND Frohberg	31.60	0.81	60.96	15.03	49.50
ND Vitpro	29.38	0.59	61.94	15.54	47.10
Syingmar	26.60	0.50	61.06	15.32	49.23
Syrockford	29.48	0.96	58.68	15.31	53.50
Syvalda	26.52	0.64	60.39	14.87	50.36

**Agronomic traits for ND Frohberg and other HRSW varieties grown at various locations across ND, 2018-2020.**

	PLANT HEIGHT	LODGING	TEST WEIGHT	WHEAT PROTEIN	GRAIN YIELD
EASTERN	INCHES	0-9	LB/BU	%	BU/AC
Faller	32.79	2.42	59.65	15.25	74.37
Glenn	34.02	2.01	61.77	16.45	62.91
Langmn	34.33	1.58	60.58	16.65	70.31
Lanning	26.68	2.65	58.95	16.19	64.46
ND Frohberg	35.19	1.76	60.34	15.69	66.24
ND Vitpro	32.22	1.73	61.68	16.52	64.51
Syingmar	29.87	1.69	60.65	16.28	69.10
Syrockford	31.30	3.55	58.29	15.65	69.72
Syvalda	30.03	1.89	60.41	15.63	70.54

**Western locations include: Dickinson, Glen Ullin, Garrison, Mandan, Minot, Mohall and Williston**

**Eastern locations include: Carrington, Casselton, Prosper, Forman, Langdon, Crystal, East Grand Forks, Thompson, Crary and Pekin**