

2022 Hard Red Spring Wheat Variety Trial at Garrison

Cooperators: Brian and Roger Bendickson, Garrison

Variety	Plant Height inches	Lodging 0-9*	Test		-----Grain Yield-----				
			Weight lbs/bu	Protein %	2019	2020	2022	2 yr avg	3 yr avg
SY Valda	26	0	58.7	13.9	61.1	33.0	72.8	52.9	55.6
TCG Spitfire	29	0	58.1	13.7	61.2	31.1	68.8	50.0	53.7
SY Ingmar	27	0	60.3	15.0	56.9	30.6	67.8	49.2	51.8
Lanning	27	0	58.7	15.1	58.3	32.2	64.8	48.5	51.8
Linkert	25	0	60.1	15.2	57.6	33.8	61.2	47.5	50.9
ND Frohberg	32	0	60.3	14.4	53.3	29.5	69.0	49.3	50.6
ND Vitpro	29	0	60.2	15.0	59.6	27.1	64.6	45.9	50.4
Mott	32	0	59.6	14.7	49.9	32.6	65.4	49.0	49.3
Glenn	29	0	61.0	15.2	54.9	27.3	64.5	45.9	48.9
Bolles	29	0	58.4	15.7	50.9	26.4	66.1	46.3	47.8
MN Torgy	28	0	60.5	14.3	--	36.1	72.4	54.2	--
AP Murdock	26	0	59.0	13.7	--	30.8	68.1	49.5	--
Faller	30	0	58.5	13.7	--	30.2	68.5	49.3	--
LCS Buster	30	0	57.4	12.0	--	--	77.6	--	--
LCS Trigger	29	0	59.2	12.5	--	--	76.2	--	--
AP Gunsmoke CL2	28	0	58.4	14.4	--	--	75.5	--	--
Ascend-SD	32	0	59.4	13.9	--	--	70.9	--	--
AP Smith	26	0	59.6	14.4	--	--	67.5	--	--
MN Rothsay	26	0	59.5	14.2	--	--	67.0	--	--
WB9590	25	0	58.6	14.5	--	--	65.8	--	--
CP3915	28	0	60.2	14.1	--	--	65.6	--	--
ND Heron	29	0	59.9	14.6	--	--	61.5	--	--
Trial Mean	28	0	58.9	14.1	57.9	30.9	68.3	--	--
C.V.%	4.5	0.0	0.9	2.7	7.9	10.3	6.8	--	--
LSD 5%	2	NS	0.9	0.6	6.5	4.5	7.6	--	--
LSD 10%	2	NS	0.7	0.5	5.4	3.7	6.3	--	--

*Lodging: 0 = none, 9 = lying flat on the ground.

NS = no statistical difference between varieties.

Planted on May 5 with a seeding rate of 1.25 million PLS/A and harvested on August 16.

Previous Crop: 2018 = soybean, 2019 = spring wheat, 2021 = soybean.

Tillage: no-till

Soil Type: Williams Bowbells loam

Note: The 2021 trial sustained extreme drought. Data not included.