

2022 Hard Red Spring Wheat Variety Trial at Rugby

Cooperators: Dave Teigen and the Pierce County Crop Improvement Association

Variety	Plant Height inches	Lodging 0-9*	Test Weight lbs/bu	Protein %	Grain Yield				
					2019	2020	2022	2 yr avg	3 yr avg
TCG Spitfire	29	0	56.4	14.7	61.4	59.7	64.0	61.9	61.7
Lanning	31	0	56.8	15.6	67.2	49.3	67.4	58.3	61.3
Bolles	32	0	57.9	16.8	62.3	45.3	66.6	55.9	58.1
SY Valda	29	0	57.7	15.1	64.8	53.6	55.1	54.4	57.8
ND Frohberg	33	0	60.4	15.7	64.0	46.8	60.6	53.7	57.1
SY Ingmar	29	0	58.8	16.1	59.9	50.2	57.0	53.6	55.7
Mott	34	0	57.6	15.9	55.5	54.0	56.6	55.3	55.4
Linkert	29	0	59.5	16.0	58.9	45.5	58.4	51.9	54.3
Glenn	33	1	60.2	16.0	61.7	46.0	51.0	48.5	52.9
ND Vitpro	31	1	59.8	16.2	61.6	46.0	49.7	47.8	52.4
Faller	33	1	59.1	14.6	--	--	64.5	58.9	--
MN Torgy	29	0	58.1	16.0	--	--	49.9	51.5	--
LCS Buster	33	0	57.3	13.0	--	--	74.4	--	--
LCS Trigger	35	0	58.8	13.3	--	--	71.5	--	--
MN Rothsay	29	0	59.1	14.8	--	--	67.1	--	--
Ascend-SD	33	0	59.1	15.2	--	--	62.2	--	--
AP Murdock	27	0	58.2	15.1	--	--	55.6	--	--
WB9590	27	0	57.7	16.1	--	--	55.2	--	--
CP3915	30	0	59.3	15.4	--	--	55.0	--	--
AP Smith	27	0	56.6	15.3	--	--	53.4	--	--
ND Heron	33	1	59.0	16.3	--	--	45.2	--	--
AP Gunsmoke CL2	29	1	57.2	15.7	--	--	44.6	--	--
Trial Mean	31	0	57.8	15.3	62.9	48.1	59.6	--	--
C.V.%	3.8	--	1.7	2.4	5.7	6.7	5.7	--	--
LSD 5%	2	--	1.6	0.6	5.1	4.5	5.6	--	--
LSD 10%	2	--	1.3	0.5	4.2	3.8	4.7	--	--

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

NS = no statistical difference between varieties.

Planted on May 27 with a seeding rate of 1.25 million PLS/A and harvested on September 8.

Previous Crop: 2018 = soybean, 2019 = barley, 2021 = hrsw

Tillage: minimum till

Soil Type: Gardena silt loam

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