

2021 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			-- Average** --	
					2019	2020	2021**	2 yr	3 yr
TCG Spitfire	17	0	58.3	15.8	61.4	59.7	18.4	60.5	68.8
SY Valda	16	0	59.5	15.8	64.8	53.6	18.9	59.2	64.0
DG Ambush	17	0	58.7	16.2	64.8	49.0	15.1	56.9	63.7
SY Soren	17	0	60.4	16.5	60.8	45.9	16.5	53.3	63.1
Elgin-ND	18	0	57.3	16.1	67.7	49.0	18.1	58.3	62.9
Glenn	17	0	60.5	16.5	61.7	46.0	13.9	53.8	60.4
SY Ingmar	16	0	61.5	16.2	59.9	50.2	16.6	55.0	60.2
Bolles	18	0	56.3	18.2	62.3	45.3	15.7	53.8	59.1
Linkert	17	0	61.2	17.3	58.9	45.5	14.8	52.2	58.5
ND Vitpro	17	0	59.6	17.0	61.6	46.0	14.1	53.8	57.9
Lanning	18	0	55.9	16.5	67.2	49.3	16.1	58.3	--
LCS Rebel	18	0	55.7	16.5	65.7	50.2	17.3	58.0	--
SY Longmier	16	0	58.7	17.3	63.1	51.9	13.6	57.5	--
ND Frohberg	17	0	57.7	16.2	64.0	46.8	18.6	55.4	--
Mott	18	0	55.9	16.3	55.5	54.0	18.2	54.8	--
Faller	18	0	55.7	15.9	--	53.2	14.1	--	--
MN Torgy	16	0	58.7	16.0	--	53.0	16.2	--	--
Lang-MN	19	0	59.4	15.4	--	51.1	21.4	--	--
Shelly	17	0	58.3	14.8	--	50.6	21.4	--	--
DG Commander	17	0	49.1	15.8	--	50.5	15.3	--	--
Dagmar	17	0	57.1	16.5	--	48.4	16.3	--	--
Barlow	18	0	60.2	16.2	--	45.4	15.2	--	--
LCS Buster	18	0	56.9	13.9	--	--	23.5	--	--
LCS Trigger	19	0	57.2	14.4	--	--	21.4	--	--
CP3915	18	0	60.5	16.7	--	--	15.0	--	--
Driver	18	0	57.5	15.3	--	--	15.6	--	--
Trial Mean	17	0	58.1	16.2	62.9	48.1	16.9	--	--
C.V.%	8.4	0	5.9	3.2	5.7	6.7	20.2	--	--
LSD 5%	NS	NS	NS	0.9	5.1	4.5	5.6	--	--
LSD 10%	NS	NS	4.7	0.7	4.2	3.8	4.7	--	--

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

**The 2021 trial sustained extreme heat and moisture stress. Data from this trial may be unreliable and should be viewed with caution. 2 and 3 year average yields do not include 2021 data.

NS = no statistical difference between varieties.

Planted on May 6 with a seeding rate of 1.25 million PLS/A and harvested on August 12.

Previous Crop: 2018 = soybean, 2019 = barley, 2020 = soybean

Tillage: minimum till

Soil Type: Gardena silt loam