

2020 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 --	
					2018	2019	2020	2 yr	3 yr
					-----bu/A-----				
TCG Spitfire	27	0	62.6	12.8	85.4	61.4	59.7	60.5	68.8
SY Valda	25	0	63.5	13.7	73.7	64.8	53.6	59.2	64.0
DG Ambush	26	0	64.7	14.1	77.4	64.8	49.0	56.9	63.7
SY Soren	23	0	62.5	15.1	82.7	60.8	45.9	53.3	63.1
Elgin-ND	30	0	62.1	13.1	71.9	67.7	49.0	58.3	62.9
Glenn	28	0	64.4	13.8	73.6	61.7	46.0	53.8	60.4
SY Ingmar	26	0	63.0	14.6	70.6	59.9	50.2	55.0	60.2
Bolles	27	0	62.8	15.7	69.8	62.3	45.3	53.8	59.1
Linkert	25	0	63.2	15.4	71.0	58.9	45.5	52.2	58.5
ND Vitpro	27	0	64.0	14.2	66.1	61.6	46.0	53.8	57.9
Lanning	28	0	62.0	13.4	--	67.2	49.3	58.3	--
LCS Rebel	30	0	63.9	14.0	--	65.7	50.2	58.0	--
SY Longmire	27	0	62.8	13.7	--	63.1	51.9	57.5	--
MN Washburn	26	0	62.7	13.2	--	62.5	50.0	56.3	--
SY McCloud	27	0	63.9	15.1	--	64.4	47.8	56.1	--
ND Frohberg	27	0	63.2	14.1	--	64.0	46.8	55.4	--
Mott	30	0	64.1	13.5	--	55.5	54.0	54.8	--
TCG Stalwart	26	0	62.1	13.9	--	57.7	48.2	53.0	--
LCS Cannon	23	0	63.3	14.8	--	64.8	26.6	45.7	--
MS Barracuda	23	0	62.5	14.3	--	61.7	28.6	45.1	--
CP 3055	28	0	60.5	11.3	--	--	61.3	--	--
DG Ballistic	29	0	62.7	12.7	--	--	58.6	--	--
Faller	28	0	62.3	13.2	--	--	53.2	--	--
MN Torgy	26	0	63.4	13.3	--	--	53.0	--	--
Boost	30	0	62.8	13.6	--	--	52.1	--	--
Allegent 822	26	0	64.4	13.0	--	--	51.2	--	--
Lang-MN	29	0	63.5	14.0	--	--	51.1	--	--
Shelly	24	0	63.6	13.3	--	--	50.6	--	--
DG Commander	26	0	62.7	13.4	--	--	50.5	--	--
Dagmar	26	0	62.1	14.1	--	--	48.4	--	--
DG Velocity	26	0	63.3	14.7	--	--	45.6	--	--
Barlow	29	0	63.5	14.0	--	--	45.4	--	--
AP Murdock	24	0	62.3	13.8	--	--	40.1	--	--
Allegent 8432	26	0	64.1	14.0	--	--	36.5	--	--
Trial Mean	27	0	63.1	13.9	76.7	62.9	48.1	--	--
C.V.%	4.7	0	1.2	3.3	6.7	5.7	6.7	--	--
LSD 5%	2	NS	1.1	0.6	7.2	5.1	4.5	--	--
LSD 10%	1	NS	0.9	0.5	6.0	4.2	3.8	--	--

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

NS = no statistical difference between varieties.

Bold = solid stem sawfly tolerant varieties.

Planted on May 7 with a seeding rate of 1.25 million PLS/A and harvested on August 19.

Previous Crop: 2017 = barley, 2018 = soybean, 2019 = barley

Tillage: minimum till

Soil Type: Gardena silt loam