

2020 Hard Red Spring Wheat Variety Trial at Garrison

Cooperators: Brian and Roger Bendickson, Garrison

Variety	Plant Height inches	Lodging 0-9*	Test		Grain Yield			-- Average --	
			Weight lbs/bu	Protein %	2018	2019	2020	2 yr	3 yr
TCG Spitfire	22	0	56.6	13.0	68.4	61.2	31.1	46.1	53.6
SY Valda	23	0	58.4	13.4	65.7	61.1	33.0	47.0	53.3
DG Ambush	24	0	59.0	14.6	67.5	57.5	28.3	42.9	51.1
Linkert	22	0	57.8	15.0	60.8	57.6	33.8	45.7	50.7
SY Ingmar	23	0	58.7	14.9	62.5	56.9	30.6	43.7	50.0
SY Soren	23	0	57.0	14.9	57.1	55.8	31.3	43.5	48.1
ND Vitpro	25	0	57.4	14.8	57.1	59.6	27.1	43.3	47.9
Glenn	27	0	58.5	14.5	61.0	54.9	27.3	41.1	47.7
Bolles	24	0	56.4	16.2	62.4	50.9	26.4	38.7	46.6
SY Longmire	23	0	57.7	14.3	--	63.6	33.4	48.5	--
LCS Rebel	26	0	58.8	14.2	--	64.4	30.7	47.5	--
SY McCloud	23	0	58.3	14.5	--	63.0	29.9	46.4	--
MS Barracuda	23	0	58.5	14.9	--	60.0	31.8	45.9	--
MN Washburn	22	0	57.6	13.9	--	60.7	30.5	45.6	--
Lanning	24	0	56.6	14.5	--	58.3	32.2	45.2	--
LCS Cannon	24	0	60.1	14.3	--	56.8	33.1	45.0	--
TCG Stalwart	22	0	55.7	14.7	--	55.5	29.3	42.4	--
ND Frohberg	26	0	57.7	14.2	--	53.3	29.5	41.4	--
Mott	25	0	59.4	13.2	--	49.9	32.6	41.2	--
MN Torgy	23	0	58.8	14.4	--	--	36.1	--	--
Dagmar	25	0	57.4	15.2	--	--	35.3	--	--
CP 3055	22	0	53.8	12.0	--	--	35.2	--	--
DG Ballistic	25	0	56.6	13.2	--	--	32.9	--	--
Shelly	22	0	56.8	13.9	--	--	32.3	--	--
Allegent 822	22	0	57.2	13.4	--	--	31.8	--	--
AP Murdock	22	0	58.6	14.0	--	--	30.8	--	--
Lang-MN	26	0	58.6	14.7	--	--	30.6	--	--
DG Commander	24	0	57.1	14.0	--	--	30.5	--	--
Faller	24	0	55.5	13.7	--	--	30.2	--	--
Allegent 834	22	0	57.8	14.6	--	--	28.9	--	--
Boost	25	0	57.9	14.3	--	--	28.7	--	--
Barlow	27	0	58.7	14.3	--	--	28.5	--	--
DG Velocity	23	0	58.7	14.9	--	--	28.5	--	--
Trial Mean	24	0	57.7	14.3	65.4	57.9	30.9	--	--
C.V.%	4.9	0	1.1	3.0	6.4	7.9	10.3	--	--
LSD 5%	2	NS	0.9	0.6	5.9	6.5	4.5	--	--
LSD 10%	1	NS	0.8	0.5	5.0	5.4	3.7	--	--

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

NS = no statistical difference between varieties.

Bold = solid stem sawfly tolerant varieties.

Planted on April 24 with a seeding rate of 1.25 million PLS/A and harvested on August 21.

Previous Crop: 2017 = spring wheat, 2018 = soybean, 2019 = spring wheat.

Tillage: no-till

Soil Type: Williams Bowbells loam

Note: The 2020 trial sustained a moderate infestation of *fusarium* head blight.