

Hard Red Spring Wheat Variety Trial at Garrison

Cooperators: Brian and Roger Bendickson, Garrison

Variety	Plant Height inches	Lodging 0-9*	Test Weight lbs/bu	Protein %	Grain Yield				
					2017	2018	2019	-- Average -- 2 yr 3 yr	
SY Valda	24	0	60.0	13.7	22.8	65.7	61.1	63.4	49.9
Elgin ND	32	0	60.9	14.8	20.3	71.5	57.3	64.4	49.7
ND VitPro	29	0	62.5	15.4	24.2	57.1	59.6	58.3	47.0
Linkert	25	0	60.9	15.3	20.1	60.8	57.6	59.2	46.2
SY Ingmar	26	0	61.3	14.8	17.2	62.5	56.9	59.7	45.5
Glenn	31	0	64.1	15.0	18.9	61.0	54.9	57.9	44.9
Bolles	28	0	60.6	16.7	18.6	62.4	50.9	56.7	44.0
SY Soren	27	0	62.1	14.6	17.1	57.1	55.8	56.4	43.3
TCG Spitfire	26	0	59.9	14.0	--	68.4	61.2	64.8	--
DG Ambush	28	0	62.6	14.8	--	67.5	57.5	62.5	--
LCS Rebel	31	0	62.3	14.3	--	--	64.4	--	--
SY McCloud	27	0	62.3	14.7	--	--	63.0	--	--
MN Washburn	27	0	60.7	14.6	--	--	60.7	--	--
MS Barracuda	27	0	61.3	13.4	--	--	60.0	--	--
CP3888	27	0	59.5	13.9	--	--	59.5	--	--
Lanning	26	0	60.3	15.0	--	--	58.3	--	--
LCS Cannon	28	0	62.2	13.7	--	--	56.8	--	--
SY Longmire	26	0	61.7	14.6	--	--	63.6	--	--
Duclair	28	0	59.0	13.9	--	--	58.8	--	--
TCG Stalwart	26	0	59.5	15.2	--	--	55.5	--	--
Mott	31	0	61.4	15.1	--	--	49.9	--	--
Trial Mean	28	0	61.3	14.6	18.9	65.4	57.9	--	--
C.V.%	6.1	0	0.8	3.3	19.9	6.4	7.9	--	--
LSD 5%	2	NS	0.7	0.7	5.3	5.9	6.5	--	--
LSD 10%	2	NS	0.6	0.6	4.4	5.0	5.4	--	--

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

NS = no statistical difference between varieties.

Bold = solid stem sawfly tolerant varieties.

Planted on April 26 with a seeding rate of 1.25 million PLS/A and harvested on August 21.

Previous Crop: 2016 = barley, 2017 = spring wheat, 2018 = soybean.

Tillage: no-till

Soil Type: Williams Bowbells loam

Note: The 2017 trial sustained severe drought and wheat stem sawfly damage.