

2018 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				
					2016	2017	2018	-- Average -- 2 yr 3 yr	
Prosper	31	1	60.5	14.1	62.8	17.6	79.5	48.6	53.3
SY Valda	27	2	59.6	14.3	69.4	22.8	65.7	44.3	52.6
LCS Prime	31	4	59.5	13.0	68.4	22.4	65.0	43.7	51.9
Faller	32	2	60.2	13.9	65.1	17.5	71.5	44.5	51.4
HRS 3419	31	0	59.5	12.9	63.2	14.3	76.4	45.4	51.3
Elgin ND	33	2	59.3	14.9	60.6	20.3	71.5	45.9	50.8
LCS Nitro	29	1	59.4	13.0	59.2	20.3	69.8	45.0	49.8
SY Ingmar	28	4	60.6	15.1	62.6	17.2	62.5	39.9	47.4
Bolles	31	2	60.1	16.8	61.1	18.6	62.4	40.5	47.4
ND VitPro	30	1	61.1	15.5	58.7	24.2	57.1	40.7	46.7
Barlow	31	2	61.1	14.9	56.7	16.4	66.8	41.6	46.6
Linkert	27	2	60.8	15.7	57.8	20.1	60.8	40.4	46.2
Glenn	32	1	61.9	15.3	56.1	18.9	61.0	39.9	45.3
Boost	31	1	59.3	14.5	59.4	17.5	58.1	37.8	45.0
SY Soren	25	5	60.3	15.1	60.4	17.1	57.1	37.1	44.9
Lang-MN	32	3	60.9	15.0		21.8	65.4	43.6	
WB9653	27	2	59.1	13.9		22.2	63.3	42.8	
SY Rowyn	27	3	59.5	14.0		17.7	64.7	41.2	
TCG Spitfire	29	0	59.0	14.1			68.4		
DG Ambush	29	2	60.7	14.8			67.5		
MS Camaro	26	5	60.4	14.8			63.6		
Rollag	28	3	60.1	15.3			61.8		
Trial Mean	29	2	60.1	14.6	62.0	18.9	65.4	--	--
C.V.%	3.6	40	0.8	1.6	8.8	19.9	6.4	--	--
LSD 5%	1	1	0.7	0.3	7.7	5.3	5.9	--	--
LSD 10%	1	1	0.6	0.3	6.5	4.4	5.0	--	--

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

Planted on April 28 with a seeding rate of 1.25 million PLS/A and harvested on August 9.

Previous Crop: 2015 = canola, 2016 = barley, 2017 = spring wheat.

Tillage: no-till

Soil Type: Williams Bowbells loam

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