

**2017 Hard Red Spring Wheat Variety Trial at Garrison**

Cooperator: Mike Zimmerman, Garrison

Variety	Sawfly 0-9*	Plant Height inches	Test Weight lbs/bu	Protein %	Grain Yield				
					2015	2016	2017	-- Average -- 2 yr 3 yr	
Faller	3	20	52.2	15.4	52.4	65.1	17.5	41.3	45.0
Prosper	2	21	51.8	15.9	54.4	62.8	17.6	40.2	44.9
SY Ingmar	4	18	54.0	15.3	51.3	62.6	17.2	39.9	43.7
Elgin-ND	2	20	52.1	15.5	48.8	60.6	20.3	40.5	43.2
LCS Nitro	4	20	53.5	14.3	47.3	59.2	20.3	39.8	42.3
SY Soren	2	19	54.0	15.8	49.1	60.4	17.1	38.8	42.2
Barlow	2	19	55.5	16.1	47.9	56.7	16.4	36.5	40.3
Redstone	6	19	53.8	15.6	39.4	63.9	14.4	39.1	39.2
Bolles	3	21	53.0	16.7	36.0	61.1	18.6	39.9	38.6
Glenn	2	21	55.2	15.6	38.3	56.1	18.9	37.5	37.8
SY Valda	2	19	55.1	15.4	--	69.4	22.8	46.1	--
LCS Prime	2	20	56.5	13.6	--	68.4	22.4	45.4	--
HRS 3530	2	22	53.1	15.7	--	66.0	19.6	42.8	--
ND VitPro	1	21	55.3	15.5	--	58.7	24.2	41.4	--
Shelly	3	18	53.7	15.5	--	62.2	19.9	41.0	--
Linkert	2	19	56.7	15.5	--	57.8	20.1	38.9	--
HRS 3419	5	19	52.4	16.1	--	63.2	14.3	38.7	--
Boost	2	18	54.4	15.8	--	59.4	17.5	38.4	--
WB9653	3	19	54.0	14.8	--	--	22.2	--	--
Lang-MN	2	20	54.4	15.3	--	--	21.8	--	--
SY Rowyn	2	18	53.5	15.4	--	--	17.7	--	--
Surpass	1	16	53.7	14.6	--	--	10.4	--	--
Trial Mean	2	20	54.2	15.4	45.8	62.0	18.9	--	--
C.V.%	52	10.3	3.0	5.2	7.7	8.8	19.9	--	--
LSD 5%	2	3	2.3	1.1	5.0	7.7	5.3	--	--
LSD 10%	1	2	1.9	0.9	4.2	6.5	4.4	--	--

\*Lodging caused by wheat stem sawfly: 0 = none, 9 = lying flat on the ground.

NS = no statistical difference between varieties.

Planted on April 27 with a seeding rate of 1.25 million PLS/A and harvested on August 8.

Previous Crop: 2014 = barley, 2015 = canola, 2016 = barley.

Tillage: no-till

Soil Type: Williams Bowbells loam

Note: The 2017 trial sustained severe drought and an infestation of wheat stem sawfly.