

2018 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				
					2016	2017	2018	-- Average -- 2 yr 3 yr	
LCS Nitro	29	0	58.4	12.1	78.3	68.7	82.4	75.5	76.5
HRS 3419	31	0	58.5	11.8	72.9	63.7	89.4	76.6	75.3
Faller	32	0	58.8	12.6	81.8	59.8	81.7	70.8	74.4
Elgin ND	36	0	59.4	13.0	74.2	71.4	71.9	71.7	72.5
SY Valda	30	0	58.8	12.2	80.8	63.1	73.7	68.4	72.5
SY Soren	28	0	60.3	13.7	74.1	59.7	82.7	71.2	72.2
LCS Prime	31	0	60.3	12.1	75.6	53.9	82.8	68.3	70.8
Prosper	32	0	59.3	12.8	82.5	54.6	73.6	64.1	70.2
Barlow	32	0	61.6	13.6	68.6	66.4	74.8	70.6	69.9
SY Ingmar	29	0	60.1	13.4	74.1	64.6	70.6	67.6	69.8
Linkert	28	0	60.5	14.3	66.4	71.3	71.0	71.1	69.6
Glenn	33	0	62.1	14.1	66.0	54.5	73.6	64.1	64.7
Boost	32	0	58.5	13.2	68.8	46.9	73.3	60.1	63.0
ND VitPro	31	0	61.0	14.0	69.2	49.0	66.1	57.5	61.4
Bolles	31	0	60.5	13.5	68.4	45.3	69.8	57.6	61.2
WB9653	28	0	59.6	11.9		63.7	88.3	76.0	
SY Rowyn	29	0	58.5	13.3		59.0	80.2	69.6	
Lang-MN	32	0	60.8	13.4		58.2	79.4	68.8	
TCG Spitfire	30	0	57.5	12.4			85.4		
DG Ambush	31	0	60.7	13.3			77.4		
Rollag	30	0	60.7	13.4			76.7		
MS Camaro	27	0	59.1	14.1			61.7		
Trial Mean	31	0	59.8	13.1	72.7	58.9	76.7	--	--
C.V.%	3.5	0	1.0	2.2	5.5	12.6	6.7	--	--
LSD 5%	2	NS	0.8	0.4	5.6	12.2	7.2	--	--
LSD 10%	1	NS	0.7	0.3	4.7	10.2	6.0	--	--

*Lodging: 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 10.

Previous Crop: 2015 = wheat, 2016 = field pea, 2017 = barley.

Tillage: minimum till

Soil Type: Gardena silt loam