

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				
					2017	2018	2019	-- Average -- 2 yr 3 yr	
Elgin ND	34	0	61.2	14.1	71.4	71.9	67.7	69.8	70.3
SY Soren	28	0	61.5	14.5	59.7	82.7	60.8	71.7	67.7
SY Valda	29	0	60.9	13.4	63.1	73.7	64.8	69.2	67.2
Linkert	29	0	61.3	15.3	71.3	71.0	58.9	65.0	67.1
SY Ingmar	29	0	60.9	14.5	64.6	70.6	59.9	65.2	65.0
Glenn	32	0	62.1	15.3	54.5	73.6	61.7	67.6	63.3
Bolles	31	0	60.5	15.6	45.3	69.8	62.3	66.0	59.1
ND VitPro	31	0	60.7	15.3	49.0	66.1	61.6	63.9	58.9
TCG Spitfire	31	0	58.8	14.3	--	85.4	61.4	73.4	--
DG Ambush	30	0	61.9	15.0	--	77.4	64.8	71.1	--
CP3888	31	0	59.9	14.0	--	--	67.7	--	--
Lanning	29	0	59.1	14.8	--	--	67.2	--	--
LCS Rebel	32	0	62.0	14.4	--	--	65.7	--	--
LCS Cannon	29	0	62.4	14.2	--	--	64.8	--	--
SY McCloud	29	0	62.4	14.6	--	--	64.4	--	--
MN Washburn	30	0	60.5	14.5	--	--	62.5	--	--
MS Barrcuda	28	0	61.3	14.6	--	--	61.7	--	--
SY Longmire	28	0	59.0	14.3	--	--	63.1	--	--
Duclair	31	0	58.3	13.5	--	--	60.7	--	--
TCG Stalwart	29	0	58.7	14.8	--	--	57.7	--	--
Mott	36	0	61.3	15.0	--	--	55.5	--	--
Trial Mean	31	0	60.9	14.5	58.9	76.7	62.9	--	--
C.V.%	4.6	0	1.1	3.5	12.6	6.7	5.7	--	--
LSD 5%	2	NS	1.0	0.7	12.2	7.2	5.1	--	--
LSD 10%	2	NS	0.8	0.6	10.2	6.0	4.2	--	--

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

NS = no statistical difference between varieties.

Bold = solid stem sawfly tolerant varieties.

Planted on April 23 with a seeding rate of 1.25 million PLS/A and harvested on August 22.

Previous Crop: 2016 = field pea, 2017 = barley, 2018 = soybean

Tillage: minimum till

Soil Type: Gardena silt loam