

Hard Red Spring Wheat Variety Trial at Wilton

Cooperator: Wes Doepke, Wilton

Variety	Plant Height inches	Lodging 0-9*	Test Weight lbs/bu	Protein %	Grain Yield			Average	
					2017	2018	2019	2 yr	3 yr
SY Soren	25	3	62.2	14.5	39.6	71.6	51.0	61.3	54.1
Linkert	24	1	62.4	15.0	40.4	69.1	52.3	60.7	53.9
ND VitPro	28	4	61.9	15.0	37.8	69.3	53.8	61.5	53.6
Elgin ND	30	6	62.4	14.6	39.6	71.8	47.6	59.7	53.0
SY Ingmar	25	4	62.1	14.9	37.5	72.2	49.2	60.7	53.0
Glenn	30	3	62.0	15.5	36.3	70.3	52.1	61.2	52.9
SY Valda	25	3	62.1	14.5	42.9	64.7	49.0	56.8	52.2
Bolles	25	1	62.4	16.9	37.1	68.3	48.8	58.5	51.4
TCG Spitfire	26	7	62.0	14.5	--	84.1	48.7	66.4	--
DG Ambush	27	4	62.3	15.1	--	74.0	54.6	64.3	--
SY McCloud	26	4	62.3	14.6	--	--	55.4	--	--
LCS Cannon	26	2	62.3	14.2	--	--	53.8	--	--
CP3888	26	4	62.1	14.5	--	--	53.0	--	--
LCS Rebel	28	5	62.4	15.1	--	--	51.7	--	--
MN Washburn	25	1	61.9	14.7	--	--	50.1	--	--
MS Barracuda	27	3	62.2	15.1	--	--	49.7	--	--
Lanning	25	7	61.8	15.5	--	--	46.0	--	--
Mott	30	3	62.4	15.8	--	--	48.8	--	--
SY Longmire	25	4	61.9	15.3	--	--	47.7	--	--
TCG Stalwart	25	5	61.9	15.8	--	--	45.3	--	--
Duclair	26	5	61.8	15.1	--	--	44.0	--	--
Trial Mean	27	4	62.1	15.1	38.4	72.0	50.1	--	--
C.V.%	4.9	32	0.2	2.0	9.1	5.8	7.9	--	--
LSD 5%	2	2	0.2	0.4	5.0	5.9	5.6	--	--
LSD 10%	2	1	0.2	0.4	4.1	5.0	4.7	--	--

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

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 = wheat, 2017 = soy, 2018 = corn.

Tillage: minimum till

Soil Type: Mandan silt loam

Note: The 2017 trial sustained severe drought and moderate hail damage.