

2020 Hard Red Spring Wheat Variety Trial at Mohall

Cooperators: Dean Schoenberg and the Renville/Bottineau Ag Improvement Association

Variety	Plant Height inches	Lodging 0-9*	Test Weight lbs/bu	Protein %	Grain Yield			-- Average --	
					2018	2019	2020	2 yr	3 yr
					-----bu/A-----				
TCG Spitfire	30	0	58.4	14.0	75.9	59.7	52.2	55.9	62.6
Elgin ND	33	0	59.8	15.1	67.2	54.3	54.9	54.6	58.8
Mott	34	0	60.5	14.6	65.0	53.0	55.2	54.1	57.7
SY Valda	29	0	59.8	15.0	67.0	50.6	46.8	48.7	54.8
SY Ingmar	29	0	60.7	15.2	57.4	49.1	50.7	49.9	52.4
Glenn	31	0	60.9	15.4	60.1	50.5	44.7	47.6	51.8
DG Ambush	29	0	60.1	14.9	60.4	52.1	42.5	47.3	51.7
ND Vitpro	29	0	60.9	14.9	58.0	50.6	44.3	47.4	51.0
Bolles	30	0	60.1	15.4	54.3	49.1	44.6	46.8	49.3
SY Soren	27	0	60.1	15.0	52.8	46.4	46.8	46.6	48.7
Linkert	26	0	59.8	15.3	52.0	48.2	39.9	44.1	46.7
LCS Rebel	32	0	60.4	16.2	--	56.0	44.8	50.4	--
SY Longmire	29	0	59.1	14.5	--	51.9	47.9	49.9	--
ND Frohberg	33	0	59.8	15.5	--	56.7	42.0	49.4	--
Lanning	29	0	57.9	16.1	--	52.1	46.4	49.3	--
LCS Cannon	27	0	60.5	14.6	--	50.0	47.1	48.6	--
MN Washburn	28	0	59.9	13.9	--	49.3	45.8	47.6	--
MS Barracuda	26	0	58.8	15.4	--	51.5	42.9	47.2	--
SY McCloud	29	0	60.1	15.4	--	51.2	40.5	45.8	--
TCG Stalwart	29	0	56.3	16.1	--	54.3	35.2	44.8	--
DG Ballistic	32	0	60.1	14.0	--	--	56.4	--	--
MN Torgy	29	0	60.5	14.6	--	--	55.3	--	--
CP3055	30	0	57.3	12.7	--	--	55.0	--	--
Faller	31	0	60.4	13.8	--	--	53.9	--	--
AP Murdock	26	0	59.2	14.0	--	--	51.2	--	--
Boost	32	0	60.6	15.2	--	--	50.9	--	--
Lang-MN	31	0	61.0	15.2	--	--	48.7	--	--
Dagmar	29	0	57.8	16.0	--	--	46.9	--	--
Shelly	28	0	59.6	14.1	--	--	45.8	--	--
DG Commander	29	0	59.0	14.2	--	--	45.3	--	--
Barlow	30	0	60.3	15.0	--	--	44.3	--	--
Allegent 822	28	0	57.8	14.2	--	--	39.3	--	--
DG Velocity	28	0	60.3	15.3	--	--	37.3	--	--
Allegent 834	22	0	53.7	15.5	--	--	23.5	--	--
Trial Mean	29	0	59.5	14.9	62.7	52.2	46.2	--	--
C.V.%	4.1	0	1.2	3.2	6.7	8.4	7.7	--	--
LSD 5%	2	NS	1.0	0.7	5.9	6.2	5.0	--	--
LSD 10%	1	NS	0.8	0.6	4.9	5.2	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 May 8 with a seeding rate of 1.25 million PLS/A and harvested on August 26.

Previous Crop: 2017 = durum, 2018 = canola, 2019 = durum.

Tillage: minimum till

Soil Type: Barnes loam

Note: The 2020 trial was infected with moderate levels of Fusarium Head Blight.