

**NDSU North Central Research Extension Center  
Hard Red Spring Wheat Variety Trial at Minot**

Variety	Days	Plant Height	Lodging	Test Weight	Protein	Grain Yield				
	to Head					2017	2018	2019	Average	
DAP <sup>1</sup>	inches	0-9*	lbs/bu	%	bu/A				2 year	3 year
Faller	63	29	0	61.0	14.2	49.9	101.7	58.0	79.9	69.9
SY Rockford	62	28	0	60.5	15.8	50.6	102.0	50.9	76.4	67.8
LCS Trigger	66	26	0	62.4	13.0	49.2	97.3	54.9	76.1	67.1
TCG Spitfire	64	27	0	62.7	15.1	64.0	85.6	49.8	67.7	66.5
CP3530	62	28	0	61.3	15.6	51.3	92.3	47.0	69.6	63.5
Shelly	63	25	0	61.7	15.8	47.1	97.7	42.4	70.1	62.4
CP3504	62	23	0	61.3	15.4	43.6	93.3	49.7	71.5	62.2
Boost	63	28	0	62.0	15.9	49.3	86.1	50.9	68.5	62.1
Elgin ND	61	29	0	62.2	15.7	50.8	82.8	50.6	66.7	61.4
SY Soren	62	25	0	62.8	16.1	50.8	84.6	48.6	66.6	61.3
DG Ambush	59	27	0	63.6	16.3	48.1	87.7	44.6	66.2	60.1
MS Chevelle	60	26	0	62.2	14.4	45.2	85.1	49.0	67.1	59.8
TCG Climax	65	27	0	62.9	16.6	48.8	84.5	45.5	65.0	59.6
MS Camaro	60	25	0	61.9	16.1	46.9	85.3	44.9	65.1	59.0
SY Valda	62	25	0	63.3	15.0	43.7	88.7	44.6	66.7	59.0
Barlow	59	28	0	63.9	16.1	48.2	82.4	46.2	64.3	58.9
Bolles	63	28	0	61.1	17.9	48.6	81.8	45.6	63.7	58.7
Lang-MN	63	29	0	62.7	15.7	46.9	77.6	50.6	64.1	58.4
CP3616	60	27	0	61.3	16.9	48.3	81.2	45.3	63.3	58.3
Glenn	59	26	0	63.5	16.1	50.6	82.2	39.2	60.7	57.3
LCS Rebel	61	29	0	63.2	15.5	46.8	74.5	48.3	61.4	56.5
Mott**	63	30	0	61.3	15.6	42.9	76.0	49.2	62.6	56.0
SY Ingmar	61	25	0	63.4	17.2	47.7	82.3	37.0	59.6	55.7
Linkert	61	24	0	61.7	17.6	39.2	84.5	42.4	63.4	55.4
Surpass	59	25	0	61.2	15.8	40.7	78.4	39.0	58.7	52.7
LCS Breakaway	59	25	0	63.4	16.8	34.9	76.5	42.5	59.5	51.3
ND VitPro	60	26	0	62.8	16.7	35.2	77.1	39.1	58.1	50.5
MS Barracuda	59	26	0	62.2	15.8	--	94.6	51.8	73.2	--
Lanning	61	25	0	61.7	16.6	--	94.3	47.9	71.1	--
AAC Penhold	61	25	0	62.3	16.2	--	89.5	48.5	69.0	--
SY611CL2	61	25	0	64.2	16.1	--	90.8	47.1	69.0	--
CP3888	61	26	0	61.4	16.6	--	90.2	43.6	66.9	--
SY McCloud	60	27	0	63.1	17.0	--	90.8	41.0	65.9	--
AAC Brandon	61	28	0	62.0	16.8	--	83.1	46.9	65.0	--
SY Longmire**	61	25	0	62.7	16.4	--	81.0	47.0	64.0	--
MN Washburn	62	24	0	62.1	15.2	--	80.4	47.3	63.8	--
LCS Cannon	59	25	0	63.7	16.2	--	84.5	43.1	63.8	--
AAC Goodwin	62	27	0	63.0	15.8	--	78.0	49.1	63.5	--
DG Commander	61	26	0	63.0	15.3	--	--	55.7	--	--
CP3915	61	26	0	63.2	15.1	--	--	50.3	--	--
TCG Heartland	59	26	0	63.5	16.6	--	--	49.5	--	--
CP3910	60	26	0	63.6	16.0	--	--	48.5	--	--
TCG Stalwart**	61	26	0	60.8	16.2	--	--	48.2	--	--
Duclair**	60	26	0	61.1	15.3	--	--	47.2	--	--
CP3939	61	27	0	61.5	16.3	--	--	44.9	--	--
Trial Mean	61	27	0	62.4	16.0	48.1	86.1	47	--	--
C.V.%	1.4	5.2	0	0.6	3.9	12.7	10.2	13.7	--	--
LSD 5%	1	2	NS	0.6	1.0	9.9	14.3	10.4	--	--
LSD 10%	1	2	NS	0.5	0.8	8.3	11.9	8.7	--	--

<sup>1</sup> DAP = Days after planting.

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

\*\* Wheat Stem Sawfly tolerant. NS = no statistical differences between varieties.

No-till planted on April 23 with a seeding rate of 1.25 million PLS/A and harvested on August 19.

Previous Crop: 2016 = canola, 2017 & 2018 = soybean.

Soil Type: Williams Loam