

NDSU North Central Research Extension Center

2018 Hard Red Spring Wheat Variety Trial at Minot

Variety	Days to Head	Plant Height	Lodging	Test Weight	Protein	Grain Yield				
						2016	2017	2018	Average	
	DAP ¹	inches	0-9*	lbs/bu	%	bu/A				
									2 year	3 year
Prosper	50	32	2	60.4	14.1	93.8	55.4	97.7	76.6	82.3
LCS Nitro	54	30	0	59.7	13.2	109.1	49.0	86.1	67.6	81.4
TCG Spitfire	52	30	0	58.5	14.2	87.7	64.0	85.6	74.8	79.1
Faller	51	31	2	60.6	13.5	84.2	49.9	101.7	75.8	78.6
HRS 3419	56	32	0	59.7	13.9	83.8	53.4	95.3	74.3	77.5
WB9653	50	29	0	58.7	14.3	87.5	47.7	87.2	67.5	74.1
HRS 3504	51	29	0	58.8	14.4	83.6	43.6	93.3	68.4	73.5
HRS 3530	51	35	1	59.4	13.2	73.5	51.3	92.3	71.8	72.4
MS Chevelle	48	31	1	61.2	12.1	86.7	45.2	85.1	65.1	72.3
Shelly	51	30	0	61.3	14.3	71.2	47.1	97.7	72.4	72.0
SY Ingmar	50	29	0	60.5	14.8	84.6	47.7	82.3	65.0	71.5
Rollag	50	30	1	61.3	15.2	74.6	53.6	85.8	69.7	71.3
Elgin ND	50	35	2	59.8	14.9	80.0	50.8	82.8	66.8	71.2
SY Valda	49	30	0	60.3	14.1	77.1	43.7	88.7	66.2	69.8
Glenn	48	33	0	62.9	15.6	76.4	50.6	82.2	66.4	69.7
LCS Prime	47	32	1	60.3	13.5	77.7	44.7	83.6	64.2	68.7
HRS 3616	49	30	0	60.7	15.2	75.6	48.3	81.2	64.7	68.4
Lang-MN	50	32	0	61.0	15.0	80.6	46.9	77.6	62.2	68.4
SY Soren	50	29	0	60.6	14.7	68.6	50.8	84.6	67.7	68.0
SY Rowyn	48	29	1	60.4	14.0	70.5	46.6	84.3	65.4	67.1
Boost	52	31	1	59.6	15.2	66.0	49.3	86.1	67.7	67.1
Linkert	50	28	0	61.0	15.2	77.5	39.2	84.5	61.9	67.1
Bolles	52	31	0	60.7	14.9	70.2	48.6	81.8	65.2	66.9
LCS Breakaway	48	30	0	61.6	14.0	86.9	34.9	76.5	55.7	66.1
Barlow	47	33	1	60.9	15.3	63.6	48.2	82.4	65.3	64.7
ND VitPro	48	30	0	61.7	15.8	79.5	35.2	77.1	56.1	63.9
Surpass	46	29	0	59.9	15.1	68.6	40.7	78.4	59.5	62.6
Mott	51	33	0	61.1	15.3	66.9	42.9	76.0	59.5	61.9
TCG Cornerstone	50	30	0	59.3	13.8	60.7	44.0	80.8	62.4	61.8
LCS Anchor	48	28	0	61.3	14.7	72.5	34.6	77.3	56.0	61.5
SY Rockford	53	31	1	58.5	14.7	--	50.6	102.0	76.3	--
AKF Astro	53	33	0	57.3	12.5	--	56.6	94.9	75.7	--
WB9719	51	30	0	62.5	14.5	--	58.3	90.8	74.6	--
LCS Trigger	54	33	0	60.3	12.7	--	49.2	97.3	73.2	--
WB9479	49	27	0	61.1	14.9	--	54.2	88.5	71.3	--
WB9590	49	28	0	61.4	15.2	--	51.6	87.2	69.4	--
DynaGro Caliber	51	27	0	59.1	15.2	--	48.0	90.4	69.2	--
DynaGro Ambush	48	31	0	61.8	13.5	--	48.1	87.7	67.9	--
TCG Climax	54	33	0	62.0	14.6	--	48.8	84.5	66.7	--
MS Camaro	51	28	1	60.5	14.5	--	46.9	85.3	66.1	--
HRS 3100	50	29	0	59.8	14.1	--	38.9	87.0	63.0	--
LCS Rebel	47	33	1	61.5	14.6	--	46.8	74.5	60.6	--
Lanning	52	32	1	58.6	15.6	--	--	94.3	--	--

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						2016	2017	2018	Average	
	DAP ¹	inches	0-9*	lbs/bu	%	-----bu/A-----				
						2016	2017	2018	2 year	3 year
HRS 3888	51	31	0	59.7	14.5	--	--	90.2	--	--
AAC Penhold	52	29	0	60.6	13.7	--	--	89.5	--	--
LCS Cannon	47	29	1	62.5	13.4	--	--	84.5	--	--
AAC Brandon	49	30	1	60.0	14.6	--	--	83.1	--	--
AC Goodwin	52	32	2	60.8	14.6	--	--	78.0	--	--
TCG Glenville	47	25	0	61.7	15.4	--	--	73.3	--	--
Trial Mean	50	31	1	60.5	14.5	77.2	48.1	86.1	--	--
C.V.%	2.3	5.3	108	1.0	2.3	10.5	12.7	10.2	--	--
LSD 5%	2	3	1	1.0	0.5	13.1	9.9	14.3	--	--
LSD 10%	2	2	1	0.8	0.4	11.0	8.3	11.9	--	--

¹DAP = Days after planting.

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

No-till planted on May 3 with a seeding rate of 1.25 million PLS/A and harvested on August 16.

Previous Crop: 2015 = soybean, 2016 = canola, 2017 = soybean.

Soil Type: Williams Loam