

## Spring Wheat Dryland Variety Trial - NDSU

WREC, Williston, ND 2018

Variety	Days to heading (DAP <sup>1</sup> )	Plant height (in)	Protein <sup>†</sup> (%)	Test weight <sup>‡</sup> (lb/bu)	Yield <sup>#</sup>		
					2018	2-Yr Avg* (bu/a)	3-Yr Avg** (bu/a)
WB9719	50.3	25.5	13.5	65.1	65.2	-	-
Lanning	51.3	26.4	13.4	61.9	63.0	-	-
TCG-Spitfire	52.0	27.7	13.9	61.6	61.6	-	-
Caliber	49.3	22.9	14.5	62.6	61.2	-	-
LCS Trigger	53.0	28.5	12.7	61.0	60.9	-	-
Elgin-ND	48.0	27.8	15.1	60.6	59.4	43.0	38.9
Shelly	49.0	25.2	13.3	62.7	57.8	40.0	-
HRS 3616	51.0	28.2	13.8	63.3	57.1	40.6	-
ND VitPro	48.0	28.1	13.6	64.5	56.8	40.6	-
Rollag	46.7	28.5	14.7	63.1	56.4	42.6	38.1
WB9653	47.3	25.6	12.9	61.7	56.1	44.0	42.1
SY Rockford	50.7	28.7	13.4	61.8	55.5	-	-
Prestige	47.0	26.5	13.6	62.1	54.9	40.6	37.8
Glenn	46.0	31.2	14.5	65.1	54.6	41.0	36.8
WB9590	48.0	24.5	13.7	61.9	54.3	-	-
Prosper	50.3	28.8	13.1	61.3	54.2	38.1	36.0
Linkert	47.7	25.2	15.1	61.3	54.0	39.4	37.2
Faller	50.0	29.3	13.3	61.2	53.8	39.3	36.7
HRS 3530	51.7	27.7	14.6	62.3	53.7	-	-
HRS 3504	48.3	25.9	13.8	61.0	53.5	45.3	-
SY Valda	48.7	27.3	13.4	62.2	53.2	42.4	40.7
WB9479	49.0	25.2	14.9	60.3	52.7	-	-
TCG-Climax	50.7	27.9	14.9	64.6	52.6	36.5	-
AAC Penhold	51.0	26.3	13.6	62.7	52.6	-	-
Barlow	44.3	29.5	14	63.5	52.4	40.4	35.7
HRS 3100	46.7	25.7	14.3	61.6	52.3	43.2	-
Surpass	46.0	28.7	14.2	62.5	52.3	42.5	-
MS Camaro	47.7	25.7	15.4	62.9	52.0	-	-
AAC Goodwin	46.7	27.3	15.1	62.8	51.0	-	-
LCS Cannon	42.3	23.9	14.7	63.7	50.8	-	-
TCG-Glenville	48.3	24.4	15.5	64.5	50.2	-	-
AAC Brandon	46.7	25.2	14.2	60.0	50.2	-	-
LCS Breakaway	44.0	24.8	15	63.7	50.1	39.1	35.0
SY Soren	46.7	26.8	15	62.8	49.4	42.3	38.3
LCS Rebel	46.7	27.7	15.2	62.3	49.4	-	-
MS Chevelle	45.0	26.1	13.4	62.3	48.7	43.6	40.8
HRS 3888	47.7	28.5	14.9	62.3	46.3	-	-
Ambush	47.3	27.9	13.9	63.1	46.2	-	-
MS Barracuda	42.7	25.3	14.5	61.8	44.3	-	-
Bolles	51.3	27.6	15.4	61.7	43.2	35.7	34.9
SY Ingmar	47.0	26.9	15.4	62.9	41.7	40.0	37.4
HRS 3419	52.0	28.7	13.5	60.2	40.2	-	-
Lang-MN	48.3	28.7	15.1	60.7	39.5	-	-
Redstone	53.0	28.9	15.9	62.2	39.2	38.5	35.6
Boost	51.7	31.1	14.8	61.1	38.7	38.9	-
Mean	48.4	27.1	14.3	62.3	52.1	-	-
CV (%)	1.84	4.37	4.9	1.86	9.5	-	-
LSD (5%)	1.20	1.62	1.1	1.45	8.1	-	-
LSD (10%)	1.44	1.93	1.0	1.74	6.7	-	-

Location: WREC; Latitude 48° 8' N; Longitude 103° 44' W; Elevation 2105 ft.

Previous crop: Cover Crop.

Planted: 05/15/2018.

Harvested: 08/24/2018.

Soil test (0-6"): P=26 ppm; K=289 ppm; pH=5.8; OM=2.5%.

Soil type: Williams-Bowbells loam.

(0-24"): NO<sub>3</sub>-N=27 lb/a.Applied fertilizers in lb/a: N=98; P<sub>2</sub>O<sub>5</sub>=18; K<sub>2</sub>O=5.

Chemical applications: Goldsky @ 16 oz/a (6/1/18).

<sup>†</sup>Protein adjusted to 12.0% moisture. <sup>‡</sup>Test Weight = Reported on a 13.5% moisture basis.<sup>#</sup>Yield = Reported on a 13.5% moisture basis.

\*Averages of years 2016 and 2017. \*\*Averages of years 2015, 2016, and 2017.

<sup>1</sup>DAP = Days after planting.**Note: Trial received heavy rain, wind, and hailstorms that damaged the crop and adversely affected yield.**

06/23/2018: Wind speed=46 mph; Precipitation=1.53".

06/28/2018: Wind speed=61 mph; Precipitation=0.94"; Hail.

07/09/2018: Wind speed=48 mph; Precipitation=1.67".