

**NORTH DAKOTA STATE UNIVERSITY**  
Williston Research Extension Center

**Winter Wheat Dryland Variety Trial - NDSU**

**WREC, Williston, ND 2018**

Variety	Plant height	Days to heading	Protein <sup>†</sup>	Test weight <sup>‡</sup>	Yield		
					2018	2-Yr Avg*	3-Yr Avg**
	(in)	(julian)	(%)	(lb/bu)	-----(bu/a)----		
AC Broadview	22.6	157	13.2	57.8	51.0	45.2	48.3
Peregrine	25.5	158	13.8	59.5	51.0	49.3	48.1
Accipiter	22.8	158	14.0	58.2	50.1	40.5	43.8
AAC Wildfire	21.5	160	14.9	58.7	49.6	-	-
AAC Goldrush	25.2	158	14.9	58.8	49.0	-	-
Keldin	22.8	157	12.9	58.5	49.0	34.1	-
SY Sunrise	19.3	153	13.0	57.6	48.5	38.2	-
Jerry	23.1	157	14.5	57.7	48.3	42.9	47.1
Loma	19.7	159	14.4	57.5	48.0	-	-
Ideal	23.9	156	13.2	58.2	47.7	42.7	43.8
Thompson	23.5	155	13.9	58.4	47.3	-	-
WB Matlock	24.9	157	14.8	58.6	47.2	48.4	49.6
Moats	27.8	158	14.7	59.4	47.2	44.2	44.8
Redfield	21.1	155	14.3	58.2	46.9	46.3	46.4
Northern	21.5	158	14.7	57.9	46.8	37.5	42.5
Lyman	23.1	154	14.5	57.6	46.7	39.9	43.2
SY Monument	22.2	156	13.2	56.3	46.6	45.2	-
AAC Gateway	22.2	156	15.1	59.3	46.5	40.7	41.6
Overland	23.6	154	14.1	58.1	45.7	39.5	41.6
CDC Chase	26.0	157	14.8	58.9	44.9	42.6	43.9
SY Wolf	21.3	155	14.6	58.8	44.8	33.4	35.1
Overland-Fhb1	24.4	154	14.3	58.2	44.6	-	-
NHH1444913-3	23.8	154	14.0	56.6	43.6	-	-
Oahe	24.8	156	13.9	58.6	43.3	-	-
Decade	23.1	155	15.1	57.5	42.8	47.3	47.4
AC Emerson	24.0	158	16.4	59.0	42.0	38.3	41.3
Mean	22.6	157	13.2	57.8	51.0	-	-
CV (%)	6.3	0.6	2.3	0.6	5.4	-	-
LSD (5%)	2.4	1.6	0.5	0.6	4.1	-	-
LSD (10%)	2.0	1.4	0.4	0.5	3.4	-	-

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

Previous crop: cover crop.

Planted: 9/13/2017.

Harvested: 7/23/2018.

Soil test (0-6"): P=27 ppm; K=226 ppm; pH=6.6; OM=2.5%  
(0-24"): NO<sub>3</sub>-N=24 lb/a.

Soil type: Williams-Bowbells loam.

Applied fertilizers in lb/a: N=76; P<sub>2</sub>O<sub>5</sub>=26; K<sub>2</sub>O=0.

<sup>†</sup>Protein adjusted to 12% moisture.

<sup>‡</sup>Test weight reported on a 13.5% moisture basis.

<sup>#</sup>Yield reported on a 13.5% moisture basis.

Chemical Applications: Goldsky @ 1.0 pt/a (5-16-18).

**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".