

## Soybean Dryland Conventional Variety Trial - NDSU

WREC, Williston, ND 2018

Variety	Company/ Brand	Days to Mature (DAP <sup>1</sup> )	Height (in)	Oil <sup>2</sup> (%)	Protein <sup>3</sup> (%)	Test weight (lb/bu)	Yield		
							2018 (bu/a)	2-Yr Avg* (bu/a)	3-Yr Avg** (bu/a)
ND Stutsman	NDSU	106	16.6	14.2	36.0	53.4	13.8	-	-
AG 00632	Asgrow	93	19.1	14.1	35.9	51.1	13.5	22.3	-
AG 00932	Asgrow	99	19.4	14.1	35.9	52.6	12.5	21.8	-
AG 00835	Asgrow	98	16.1	14.8	35.3	52.5	12.3	-	-
AG 0832	Asgrow	118	16.8	13.6	38.5	52.9	12.1	-	-
ND Henson	NDSU	97	18.1	14.1	36.6	53.1	11.7	24.7	58.5
Xtend_Check		102	17.2	13.7	37.0	52.7	11.6	-	-
ND Bison	NDSU	106	15.0	13.7	36.7	53.3	10.1	-	-
ND Benson	NDSU	111	17.7	13.7	38.6	52.8	9.7	-	-
Mean		103.3	17.3	14.0	36.7	52.7	11.9	-	-
CV (%)		1.3	5.7	1.4	1.3	0.8	15.6	-	-
LSD (5%)		2.0	1.4	0.3	0.7	0.6	2.6	-	-
LSD (10%)		1.6	1.1	0.2	0.6	0.5	2.2	-	-

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

Previous crop: Spring Wheat

Planted: 05/25/2018.

Harvested: 08/28/2018.

Soil test (0-6"): P=29 ppm; K=278 ppm; pH=6.1; OM=1.8%.

Soil type: Williams-Bowbells loam.

(0-24"): NO<sub>3</sub>-N=41 lb/a.

Applied fertilizers in lb/a: None, seed inoculated with a peat based inoculum at planting.

<sup>1</sup>DAP= Days After Planting.<sup>2</sup>Oils reported on an oven dried basis, 120 °F for 4 hours.<sup>3</sup>Protein adjusted to 13% moisture.

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

**Note: Trial received heavy rain, wind, hailstorms, and early hard fall freeze that damaged the crop and**

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".

09/28/2018; Hard Fall Freeze.