

Soybean Dryland Roundup Ready Variety Trial - NDSU

WREC, Williston, ND 2018

Variety	Company/ Brand	Days to Mature	Height	Oil ²	Protein ³	Test weight	Yield	
							2018	2-Yr Avg*
		(DAP ¹)	(in)	(%)	(%)	(lb/bu)	----(bu/a)----	
AG 00932	Asgrow	101	19.2	14.4	35.5	52.2	15.3	24.4
AG 0832	Asgrow	116	16.8	13.7	38.5	52.8	14.5	-
ND17009GT	NDSU	98	16.0	13.6	37.8	53.5	13.4	25.1
AG 00835	Asgrow	96	16.5	14.7	35.4	52.3	12.4	-
AG 00632	Asgrow	93	17.0	14.1	36.1	51.9	11.4	23.9
Mean		101	17.1	14.1	36.7	52.5	13.4	-
CV (%)		2.7	5.1	1.2	1.2	0.7	14.3	-
LSD (5%)		4.0	1.2	0.2	0.7	0.5	2.6	-
LSD (10%)		3.3	1.0	0.2	0.5	0.4	2.2	-

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

Previous crop: Spring Wheat

Planted: 05/25/2018.

Harvested: 09/29/2018.

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

Soil type: Williams-Bowbells loam.

(0-24"): NO₃-N=41 lb/a.

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

¹DAP=Days After Planting.²Oils are reported on a oven dried basis, 120°F for 4 hours.³Protein content adjusted to 13% moisture.

*Averages of years 2016 and 2017.

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

23-Jun-18 Wind speed=46 mph; Precipitation=1.53".

28-Jun-18 Wind speed=61 mph; Precipitation=0.94"; Hail.

9-Jul-18 Wind speed=48 mph; Precipitation=1.67".

28-Sep-18 Hard fall freeze.