

NORTH DAKOTA STATE UNIVERSITY
Williston Research Extension Center

Conventional Soybean Irrigated Variety Trial

WREC, Nesson Valley, ND 2016

Variety	Origin	Maturity group	Days to mature (DAP+)	Plant height (in)	Lodging (0-9*)	Protein [†] (%)	Oil [‡] (%)	Test weight (lb/bu)	Yield		
									2016 (bu/a)	2-Yr Avg (bu/a)	3-Yr Avg (bu/a)
Ashtabula	NDSU	0.4	112	39	0	36.7	37.9	56.1	78.2	65.1	53.7
Sheyenne	NDSU	0.7	116	41	1	37.1	37.9	56.9	71.2	65.7	52.6
ND Bison (ND09-5798)	NDSU	0.7	118	35	0	36.8	37.7	56.0	80.8	66.4	-
ND Henson	NDSU	0.0	112	36	4	37.2	38.3	56.3	82.4	65.8	-
Mean			114.4	37.9	1.0	37.0	37.9	56.3	78.1	65.8	53.1
C.V.%			0.9	6.3	62.4	0.8	0.6	0.9	8.3	-	-
LSD 5%			1.6	3.8	1.0	0.4	0.4	0.8	10.4	-	-
LSD 10%			1.3	3.1	0.8	0.4	0.3	0.7	8.4	-	-

Location of the WREC Nesson Site: Latitude 48 9.9222°N; Longitude 103 6.132°W; Elevation 1902 ft

Previous crop: barley

Planted: 5/17/2016

Harvested: 10/13/2016

Standard Harvested Plot area: 61.25 ft²

Soil Type: Lihen Loamy Fine Sand

Applied fertilizer in broadcast: none

Soil test to 6": 16-ppm P, 200- ppm K, OM-2.0 pH-8.5

Soil test to 2' : 38 lbs N/a

Yield Goal = 50 bu

Planting Population = 200,000 seeds/a

Herbicides Applied: Section 2EC 6 oz/a (6/7/16), Basagra 1 pt/a + Assure II 7 oz/a (6/10/16)

Fungicides Applied: Priaxor D 8 oz/a (7/8/2016)

Rainfall: 12.00 in (5/17 - 10/13)

Irrigation: 11.15 in (5/17 - 10/13)

+ Days After Planting

* 0 no lodging - 9: plants lying flat on ground

† Protein adjusted to 13% moisture

‡ Oil content adjusted to 13% moisture