

**Conventional Soybean Variety Trial at Minot**

Company/ Variety	Maturity Group	IDC Rating	Maturity Date	Plant Height	Protein %	Oil %	Test Weight	Yield -----					
								2016	2017	2018	2 yr	3 yr	
		1-5 <sup>a</sup>		inches	%	%	lbs/bu	----- bushels / acre -----					
NDSU	ND Stutsman	0.7	2.4	9/04	23	27.0	17.8	59.2	43.3	37.2	24.1	30.6	34.9
NDSU	ND Bison	0.7	1.8	9/07	18	29.6	16.9	59.0	41.0	35.0	18.9	26.9	31.6
NDSU	ND Benson	0.4	2.4	9/06	20	28.1	18.0	58.7	44.0	31.4	19.5	25.4	31.6
NDSU	ND Henson	0.0	2.9	8/28	21	27.6	17.7	59.5	48.9	22.0	23.1	22.6	31.3
RR check	--	00.9	--	8/25	22	29.1	17.1	58.9	42.4	28.2	16.9	22.5	29.2
RR check	--	00.6	--	8/26	22	29.1	17.0	59.1	35.8	27.4	19.9	23.7	27.7
RR check	--	00.8		8/30	17	30.4	16.4	58.7	--	--	17.7	--	--
XT check	--	0.3	1.8	9/01	21	28.2	17.0	59.4	--	--	20.5	--	--
Trial Mean			2.6	9/02	21	28.8	17.4	59.1	42.3	28.5	22.0	--	--
C.V.%			12.5	3.7	6.6	6.2	2.5	0.5	10.9	19.0	17.1	--	--
LSD 5%			0.3	2	2	NS	0.7	0.5	7.6	9.0	6.3	--	--
LSD 10%			0.3	2	2	NS	0.6	0.4	6.3	7.5	5.2	--	--

<sup>a</sup>IDC rating = Iron deficiency chlorosis rating: 1 - green, 3 - yellow, 5 - dead

NS = no statistical difference between varieties.

Planting Date: May 21

Planting Rate: 150,000 PLS/A

Row Spacing: 15"

Tillage: Minimum Till

Previous Crop: 2015 = wheat, 2016 = barley, 2017 = corn

Harvest Date: October 2

Soil Type: Williams Loam

Note: Oil, protein and yield are adjusted to 13% moisture. The 2018 trial sustained moderate drought.