

2017 Non-Roundup Ready Soybean Variety Trial at Minot

North Central Research Extension Center

Company / Brand	Variety	Maturity Group	Herbicide System	IDC Rating	Maturity Date	Plant Height	Lodging	Protein	Oil	Test Weight	----- Seed Yield -----	---	Average ---		
				1-5 ^a	Sept.	inches	0-9 ^b	%	%	lbs/bu	2015	2016	2017	2 year	3 year
											bushels per acre				
Integra	INT 30208N	0.2	LL	2.0	9	31	0	27.6	17.8	54.0	33.1				
Integra	INT 30080	00.8	LL		6	31	0	29.1	17.6	54.6	31.9				
NDSU	ND Henson	0.0	Convent	2.3	8	28	0	25.7	19.2	56.5	53.4	48.9	22.0	35.4	41.42
NDSU	ND Bison	0.7	Convent	1.8	12	30	0	26.6	18.0	55.5	55.1	41.0	35.0	38.0	43.69
NDSU	ND Benson	0.4	Convent	1.7	14	36	0	27.9	18.7	54.9	47.7	44.0	31.4	37.7	41.03
NDSU	ND Stutsman	0.7	Convent	1.9	12	36	0	26.6	18.1	56.0	55.2	43.3	37.2	40.2	45.22
RR check	AG 00932	00.9	RR		6	33	0	28.4	16.6	54.4	46.3	42.4	28.2	35.3	38.98
RR check	AG 00632	00.6	RR		5	31	0	28.8	16.9	55.1	45.6	35.8	27.4	31.6	36.27
Trial Mean				2.0	8	31	0	27.3	18.1	55.0	52.6	42.3	28.5	--	--
C.V.%				20.6	17.0	6.9	0.0	6.1	2.6	1.2	5.4	10.9	19.0	--	--
LSD 5%				0.3	2	3	NS	2.7	0.8	1.1	4.0	7.6	9.0	--	--
LSD 10%				0.2	2	3	NS	2.3	0.6	0.9	3.3	6.3	7.5	--	--

^a IDC rating = Iron deficiency chlorosis rating: 1 - green, 3 - yellow, 5 - dead

^b Lodging: 0 = none, 9 = lying flat on the ground.

NS = no statistical difference between varieties.

Planting Date: May 17

Planting Rate: 150,000 PLS/A

Row Spacing: 15"

Harvest Date: September 30

Previous Crop: 2014 & 2015 = spring wheat, 2016 = barley

Soil Type: Williams Loam

Tillage System: Minimum till

Note: Oil, protein, test weight and yield are adjusted to 13% moisture.