

NORTH DAKOTA STATE UNIVERISTY
Williston Research Extension Center

Roundup Ready Soybean Irrigated Variety Trial

WREC, Nesson Valley, ND 2017

Variety	Company/Brand	Relative maturity group	Plant height (in)	Days to mature (DAP ⁺)	Lodging (0-9 ⁺)	Protein [†] (%)	Oil [‡] (%)	Test weight (lb/bu)	Harvest Moisture [¥] (%)	Yield		
										2017 (bu/a)	2-Yr Avg (bu/a)	3-Yr Avg (bu/a)
ND17009GT	NDSU	00.9	35	115	3	37.8	14.9	57.9	13.0	67.7	62.7	58.9
6008R2	NuTech	00.8	33	119	2	33.0	15.5	56.6	12.6	49.6	55.0	51.0
R00727	REA Hybrid	00.7	36	115	1	35.3	14.7	56.0	12.8	80.4	75.4	-
20300 R2Y	Integra	0.3	35	124	1	36.2	14.6	56.6	13.7	80.4	-	-
RX0628	REA Hybrid	0.6	36	126	1	35.7	15.1	56.2	13.2	79.7	-	-
RX0327	REA Hybrid	0.3	32	122	2	36.7	14.8	56.7	12.7	78.3	-	-
RX0228	REA Hybrid	0.2	38	118	2	36.0	14.8	57.2	12.5	77.5	-	-
RX00738	REA Hybrid	00.7	33	118	2	35.4	14.6	57.2	12.1	73.4	-	-
20617N R2Y	Integra	0.6	33	126	2	37.6	14.4	56.9	13.3	71.3	-	-
RX0516	REA Hybrid	0.5	35	127	3	35.8	14.1	56.6	12.9	70.5	-	-
50319N	Integra	0.3	36	126	2	35.1	14.7	57.3	15.6	67.9	-	-
6048	NuTech	0.4	34	124	2	37.4	14.6	56.9	13.4	61.0	-	-
6502	NuTech	00.5	23	116	1	35.1	15.3	56.4	12.1	50.9	-	-
Mean		-	33.9	121.2	1.8	35.93	14.76	56.80	13.06	69.88	64.36	54.94
CV (%)		-	-	-	-	0.93	1.28	0.68	5.06	9.22	-	-
LSD (5%)		-	-	-	-	0.48	0.27	0.55	0.94	9.22	-	-
LSD (10%)		-	-	-	-	0.40	0.23	0.46	0.79	7.67	-	-

Location: Latitude 48 9.9222°N; Longitude 103 6.132°W; Elevation 1902 ft

Planted: 5-17-2017

Plot size: 61.25 ft²

Soil test to (0-6"): P=16 ppm; K=195 ppm; pH=7.6; OM=2.2%
(0-24"): NO₃-N=52 lb/a

Applied fertilizer in lb/a broadcast: none / seed inoculated

Yield goal = 50 bu

Planting population = 200,000 seeds/a

Herbicides applied: Spartan Charge 4oz/a (5/31/2017), Cornerstone 5 Plus 24oz/a + Class Act 2qt/100gal H₂O (6/26/2017),
Cornerstone 5 Plus 24oz/a + Class Act 2qt/100gal H₂O (9/6/2017)

Fungicides applied: Priaxor 8oz/a (7/20/2017)

Rainfall: 7.84 in. (5/17/2017 - 10/6/2017)

Irrigation: 15.4 in. (5/17/2017 - 10/6/2017)

*Days After Planting

°: no lodging - 9: plants lying flat on ground

†Protein adjusted to 13% moisture

‡Oil content adjusted to 13% moisture

¥Moisture taken at harvest

Previous crop: Durum

Harvested: 10-6-2017

Soil Type: Lihen Loamy Fine Sand