

NORTH DAKOTA STATE UNIVERSITY
Williston Research Extension Center

Roundup Ready Irrigated Soybean 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)
20215	Integra	0.01	118	29	0	37	38	57	69.7	59.6	56.1
LS-0334 RR2	Legacy Seeds, Inc.	0.3	120	34	1	38	38	56	66.9	61.5	52.9
LS-0214 RR2	Legacy Seeds, Inc.	0.2	114	37	0	36	37	56	76.2	66.9	-
LS-0135 RR2	Legacy Seeds, Inc.	0.1	107	37	2	33	35	57	70.6	63.6	-
S03RY36	Dyna-Gro	0.3	115	33	0	35	36	56	59.7	58.6	-
R0216	REA Hybrid	0.2	108	37	2	34	36	56	66.8	57.2	-
6008R2	NuTech	0.08	107	32	0	31	32	56	60.5	51.8	-
LS-00835N RR2	Legacy Seeds, Inc.	0.8	116	31	0	30	32	56	52.8	50.3	-
S04XT77	Dyna-Gro	0.4	113	35	0	32	33	56	71.6	-	-
50098 R2XTEND	Integra	0.09	115	27	0	29	31	56	70.6	-	-
LS01R656	Legend Seeds, Inc.	0.1	109	37	2	33	35	57	70.0	-	-
LS-00834 RR2	Legacy Seeds, Inc.	0.08	107	30	0	34	35	56	68.8	-	-
64G94	REA Hybrid	0.4	111	25	1	30	32	55	66.1	-	-
R00727	REA Hybrid	0.07	104	24	0	32	34	54	62.1	-	-
S009RY56	Dyna-Gro	0.09	117	32	0	31	32	56	52.9	-	-
Mean		-	111.5	32.3	0.5	32.7	34.1	55.9	65.4	58.6	52.9
CV		-	2.1	9.7	89.5	6.4	5.6	0.7	16.7	-	-
LSD 5%		-	3.4	4.5	0.7	3.1	2.8	0.6	15.6	-	-
LSD 10%		-	2.8	3.7	0.6	2.6	2.3	0.5	13.0	-	-

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: 10/14/2016

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: Roundup 24oz/a (6/14/2016)

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

Rainfall: 12.00 in (5/17 - 10/14)

Irrigation: 11.95 in (5/17 - 10/14)

+ Days After Planting

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

† Protein adjusted to 13% moisture

‡ Oil content adjusted to 13% moisture