

Irrigated Roundup Ready Soybean Variety Trial **WREC-Nesson Valley 2015**

Variety	Brand/ Company	Maturity Group	Days to Mature	Plant Height inch	Protein ²			Oil ³			TW lb/bu	Yield bu/a				
					-----%----- 2014	2015	2 yr avg	-----%----- 2013	2014	2015		----- 2013 ⁴	2014 ⁵	2015	2 yr avg	3 yr avg
S04-D3	Syngenta/NK	0.4	119	31	34.4	35.0	34.7	15.6	13.3	15.5	56.4	53.4	42.9	54.4	48.6	50.2
20090 R2Y	Integra	00.9	119	35	32.1	35.1	33.6	16.6	13.6	15.8	56.5	46.9	43.1	51.5	47.3	47.2
S02-B4	Syngenta/NK	0.2	115	33	33.8	35.4	34.6	16.5	13.5	16.2	56.9	40.6	49.8	47.4	48.6	45.9
7063	NuTech/G2 Genetics	0.6	123	29	33.2	34.0	33.6	16.4	13.4	16.2	56.4	29.2	44.8	52.6	48.7	42.2
20215 R2Y	Integra	0.1	116	29	35.9	35.8	35.9	15.7	13.2	15.4	56.7	25.8	49.1	49.6	49.4	41.5
20300 R2Y	Integra	0.3	121	31	36.1	36.0	36.1	15.2	14.0	15.4	56.6	27.2	38.5	58.7	48.6	41.5
S007-Y4	Syngenta/NK	00.7	103	28	34.6	36.4	35.5	-	13.3	15.9	56.4	-	56.4	64.6	60.5	-
61G24	REA Hybrids	0.1	121	24	36.5	35.8	36.2	-	13.8	15.6	57.1	-	45.0	52.7	48.8	-
S02RY74	Dyna-Gro Seed	0.2	119	29	36.1	36.6	36.3	-	13.5	15.1	56.7	-	49.1	42.8	46.0	-
LS-0334 RR2	Legacy Seeds, Inc.	0.3	124	33	36.3	36.3	36.3	-	13.7	15.3	56.2	-	35.5	56.2	45.8	-
6036	NuTech/G2 Genetics	0.3	123	31	35.3	35.1	35.2	-	13.8	16.1	56.2	-	34.3	50.6	42.4	-
3503	Thunder	0.3	121	31	-	37.8	-	-	-	15.5	57.0	-	-	63.4	-	-
S04RY55	Dyna-Gro Seed	0.4	122	32	-	36.2	-	-	-	15.6	56.9	-	-	63.2	-	-
LS-0214 RR2	Legacy Seeds, Inc.	0.2	119	34	-	36.2	-	-	-	15.7	56.1	-	-	57.5	-	-
S03RY36	Dyna-Gro Seed	0.3	119	29	-	37.6	-	-	-	15.5	56.8	-	-	57.5	-	-
LS-0135 RR2	Legacy Seeds, Inc.	0.1	117	37	-	35.3	-	-	-	16.5	56.6	-	-	56.6	-	-
S02-R2	Syngenta/NK	0.2	117	30	-	35.8	-	-	-	15.7	57.0	-	-	54.9	-	-
20084N R2Y	Integra	00.8	119	31	-	35.7	-	-	-	16.0	56.4	-	-	54.6	-	-
3601	Thunder	0.1	115	34	-	35.4	-	-	-	16.5	56.3	-	-	54.6	-	-
LS-00835N RR2	Legacy Seeds, Inc.	00.8	117	31	-	35.6	-	-	-	16.1	56.4	-	-	47.8	-	-
R0216	REA Hybrids	0.2	114	36	-	35.7	-	-	-	16.5	56.5	-	-	47.7	-	-
Astro	Thunder	0.0	116	33	-	36.1	-	-	-	15.4	56.5	-	-	44.3	-	-
6008R2	NuTech/G2 Genetics	00.8	109	32	-	32.9	-	-	-	16.7	56.4	-	-	43.0	-	-
Mean			117.7	31.5	34.9	35.73	35.27	16.00	13.55	15.83	56.57	37.18	44.41	53.30	48.61	44.75
C.V.%			2.3	7.0	1.9	2.2	-	2.7	4.4	1.7	0.9	12.1	8.2	28.9	-	-
LSD 5%			3.8	3.1	-	1.10	-	-	-	0.39	0.25	-	-	NS	-	-
LSD 10%			3.1	2.6	0.90	0.92	-	0.60	NS	0.33	0.30	4.10	4.90	18.20	-	-

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

Planted: 5/19/2015

Harvested: 10/9/2015

Plot size: 61.25 ft²

Previous crop: barley

Soil type: Lihen Loamy Fine Sand

Yield goal: 50 bu/a

Planting population: 200,000 seeds/a

Row spacing: 7.5 inch

Herbicides applied: Roundup 24oz/a + Veracity 3qt/ 100 gal (6/17/2015), (7/7/2015)

Rainfall: 8.5 in (5/19 - 10/1)

Irrigation: 7.5 in (4/21 - 7/27)

DAP¹ = Days After Planting

Protein² = Protein adjusted to 13% moisture

Oil³ = Oil content adjusted to 13% moisture

2013⁴ = Sclerotinia severely affected trial

2014⁵ = Hail damaged trial in August