

Roundup Ready Soybean - Irrigated

WREC, Nesson Valley, ND 2018

Variety	Company / Brand	Relative Maturity	Plant Height (in)	Days to Maturity (DAP)	Plant Lodge (0 - 9*)	Protein†			Oil‡			Test Weight (lb/bu)	Yield		
						2018 (%)	2-Yr Avg (%)	3-Yr Avg (%)	2018 (%)	2-Yr Avg (%)	3-Yr Avg (%)		2018 (bu/a)	2-Yr Avg (bu/a)	3-Yr Avg (bu/a)
R00727	REA Hybrids	00.7	24	111	1	35.9	35.6	34.5	13.7	14.2	14.4	57.0	56.8	68.6	66.4
ND17009GT	NDSU	00.9	28	106	2	38.4	38.2	37.2	13.4	14.2	15.0	59.3	57.0	62.3	60.8
ND18008GT	NDSU	00.8	23	103	1	37.4	37.6	36.3	13.8	14.3	15.0	57.9	49.3	55.4	55.6
20300 R2Y	Integra	0.3	26	118	1	36.1	36.2	-	13.8	14.2	-	57.8	71.7	76.1	-
RX0628	REA Hybrids	0.6	26	123	2	35.9	35.8	-	13.6	14.3	-	56.8	65.2	72.5	-
RX0327	REA Hybrids	0.3	22	115	1	36.7	36.7	-	13.6	14.2	-	57.5	61.5	69.9	-
H03X8	Hefty	0.3	31	120	1	34.8	-	-	13.7	-	-	58.1	67.1	-	-
H009X7	Hefty	00.9	30	114	1	36.9	-	-	13.7	-	-	58.1	61.7	-	-
H02X7	Hefty	0.2	29	115	1	35.8	-	-	13.4	-	-	58.1	60.3	-	-
H005X8	Hefty	00.5	27	106	1	35.1	-	-	13.5	-	-	57.9	58.7	-	-
H008X8	Hefty	00.8	27	115	2	35.8	-	-	13.4	-	-	57.6	58.1	-	-
H03X7	Hefty	0.3	22	119	2	36.3	-	-	13.9	-	-	57.2	63.0	-	-
RX00619	REA Hybrids	00.6	24	102	1	35.6	-	-	13.7	-	-	58.1	52.6	-	-
H007X7	Hefty	00.7	26	112	1	36.1	-	-	13.6	-	-	58.8	52.2	-	-
RX00749	REA Hybrids	00.7	27	106	2	35.6	-	-	13.5	-	-	57.5	51.2	-	-
MEAN			26.1	112.1	1.2	36.17	36.69	36.02	13.62	14.24	14.78	57.84	59.11	67.47	60.95
C.V. (%)			-	-	-	1.65	-	-	2.42	-	-	1.17	9.21	-	-
LSD (5%)			-	-	-	0.85	-	-	0.47	-	-	0.97	7.77	-	-
LSD (10%)			-	-	-	0.71	-	-	0.39	-	-	0.81	6.47	-	-

Days after planting * 0: no lodging - 9: plants lying flat on the ground † Protein content adjusted to 13% moisture ‡ Oil content adjusted to 13% moisture

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

Soil test to (0-6"): P=24 ppm; K=207 ppm; pH=7.8; OM=2.3%

(0-24"): NO3-N= 42 lb/a

Applied fertilizer in lb/a broadcast: none

Yield goal: 50 bu/a

Planting population: 200,000 seeds/a

Herbicides applied: Cornerstone Plus 24 oz/a, Calss Act 1 gal/100 gal (6/8/2018)

Fungicides applied: Quadris 15 oz/a (7/18/2018)

Elevation: 1902 ft

Previous crop: Barley

Planted: 5/23/2018

Harvested: 10/17/2018

Soil Type: Lihen Loamy Fine Sand

Plot size: 61.25 ft²

Rainfall: 11.0 in (5/23/2018 - 10/17/2018)

Irrigation: 11.9 in (5/23/2018 - 10/17/2018)