

RR Soybean Irrigated Variety Trial - NDSU

WREC, Nesson Valley, ND 2019

Variety	Company / Brand	Relative Maturity	Plant Height (in)	Days to Maturity (DAP*)	Protein†		Oil‡		Test Weight (lb/bu)	Yield	
					2019 (%)	3-Yr Avg (%)	2019 (%)	3-Yr Avg (%)		2019 (bu/a)	3-Yr Avg (bu/a)
ND17009GT	NDSU	00.9	16	120	36.7	37.7	15.3	14.6	58.0	29.3	51.3
ND18008GT	NDSU	00.8	14	119	37.9	37.7	14.5	14.4	58.5	21.4	44.1
RX00749	REA	00.7	17	119	36.4	-	14.5	-	58.3	30.8	-
RX0520	REA	0.5	19	131	36.2	-	14.5	-	57.8	43.9	-
50309N	Integra	0.3	18	123	36.3	-	14.8	-	58.2	42.1	-
30-20	Proseed	0.2	20	126	36.6	-	14.7	-	57.9	41.6	-
S02-F9X	NK	0.2	18	121	36.2	-	15.2	-	57.9	41.6	-
19EN02	Peterson Farm Seed	0.2	18	129	37.1	-	14.8	-	57.8	41.2	-
16R01	Peterson Farm Seed	0.1	22	121	36.9	-	15.1	-	58.6	40.8	-
S03XT29	Dyna-Gro	0.3	16	122	36.9	-	15.2	-	58.4	39.6	-
RX0330	REA	0.3	19	127	36.0	-	15.0	-	58.0	38.5	-
M06R-614008GT	U of M	00.8	17	130	36.5	-	15.8	-	57.9	38.4	-
S009XT68	Dyna-Gro	00.9	20	123	36.8	-	15.2	-	57.9	38.2	-
40209 E3	Integra	0.2	19	127	37.0	-	15.0	-	57.9	37.1	-
GH0308X	Golden Harvest	0.3	17	125	44.8	-	15.0	-	57.6	37.1	-
19X03	Peterson Farm Seed	0.3	18	121	36.6	-	15.5	-	58.5	36.5	-
EL 80-093	Proseed	00.9	17	120	35.8	-	14.7	-	57.4	35.7	-
XT 60-09	Proseed	00.9	20	119	35.9	-	15.4	-	57.8	34.7	-
S01-C4X	NK	0.1	18	124	37.3	-	14.9	-	58.1	34.0	-
GH0145X	Golden Harvest	0.1	20	121	36.4	-	15.0	-	57.6	33.2	-
S007-Y4	NK	00.5	18	121	36.5	-	14.9	-	58.3	32.1	-
RX00810	REA	00.8	17	120	37.4	-	14.4	-	57.9	30.3	-
S0006-R7X	NK	00.6	16	120	36.7	-	15.0	-	58.2	26.1	-
MEAN			18.0	122.9	37.00	37.70	14.98	14.50	58.02	35.82	47.70
C.V. (%)			9.5	1.9	9.64	-	4.68	-	1.00	13.42	-
LSD (5%)			2.4	3.3	5.04	-	0.99	-	0.82	9.51	-
LSD (10%)			2.0	2.7	4.21	-	0.83	-	0.68	5.67	-

* 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

Elevation: 1902 ft

Soil test (0-6 in.): P=13 ppm; K=313 ppm; pH=7.6 ; OM=3.1%

Previous crop: Corn

(0-24 in.): NO3-N=15 lb/a

Planted: 5/15/2019

Yield goal: 50 bu/a

Harvested: 10/8/2019

Planting population: 200,000 seeds/a

Soil type: Lihen Loamy Fine Sand

Applied fertilizer: none applied

Plot size: 61 ft^2

Herbicides applied: Prowl H2O 1.5 pt/a and Spartan Charge 2 oz/a (5/23), Cornerstone 5 Plus 26 oz/a and Class Act 24 oz/a (6/13), and

Rainfall: 20.0 in. (5/15 - 10/8)

Section 3 EC 5.33 oz/a, Destiny HC 1.5 pt/a, and 28-0-0 2 qt/a (6/24),

Fungicides applied: Priaxor D 8 oz/a (7/12)