

## Soybean Dryland Roundup Ready Variety Trial - NDSU

WREC, Williston, ND 2019

Variety	Company/ Brand	Relative Maturity	Height (in.)	Days to Mature (DAP)	Protein (%)	Oil (%)	Test Weight (lb/bu)	Yield (bu/a)
50309N	Integra	0.3	22.9	119	32.1	19.1	56.6	43.8
S03XT29	Dyna-Gro	0.3	24.6	119	31.8	19.3	56.2	43.5
19X03	PFS	0.3	22.8	119	31.9	19.1	56.6	42.6
LGS0111RX	LG Seeds	0.1	23.8	119	33.3	20.3	56.9	42.1
30-20	Proseed	0.2	25.1	120	33.8	19.7	56.3	42.0
S02-F9X	Syngenta NK	0.2	21.6	121	30.9	19.7	57.2	42.0
RX00810	REA hybrids	00.8	17.8	119	32.9	20.4	55.7	41.0
S01-C4X	Syngenta NK	0.1	24.2	119	31.7	19.5	56.9	40.5
XT 60-09	Proseed	00.9	24.8	119	32.8	18.4	56.9	40.0
S009XT68	Dyna-Gro	00.9	25.1	119	32.9	18.5	57.3	39.8
ND14-6120	NDSU	0.1	23.7	119	32.5	19.7	57.8	39.7
RX0520	REA hybrids	0.5	25.2	129	32.4	19.3	56.1	39.1
S007-Y4	Syngenta NK	00.7	21.9	119	31.8	20.1	57.1	39.0
RX0330	REA hybrids	0.3	24.6	125	32.8	19.2	56.4	38.5
ND17009GT	NDSU	00.9	25.6	119	34.4	20.4	58.1	38.5
EL 80-093	Proseed	00.9	21.3	119	30.9	20.4	56.4	38.4
16R01	PFS	0.1	26.1	119	33.5	20.4	56.4	38.3
S006-R7X	Syngenta NK	00.6	19.2	119	33.4	20.3	55.9	37.4
ND18008GT	NDSU	00.8	21.9	119	33.2	20.3	57.0	37.3
LGS00899RX	LG Seeds	00.8	23.5	119	31.9	20.3	56.9	36.9
M06R-614008GT	UM	00.8	18.4	120	32.5	20.4	56.5	36.9
40209 E3	Integra	0.3	22.3	122	32.0	19.5	56.0	36.4
RX00749	REA hybrids	00.7	20.0	119	31.5	19.8	56.0	34.2
20EN02	PFS	0.2	20.4	124	31.3	19.5	55.9	33.3
Mean			22.9	120.0	32.5	19.7	56.7	39.0
CV %			8.3	0.8	1.9	1.3	0.8	7.8
LSD 0.05			2.7	1.4	0.9	0.4	0.7	4.3
LSD 0.1			2.2	1.2	0.7	0.3	0.6	3.6

Location: WREC; Latitude 48° 8' N; Longitude 103° 44' W; Elevation 2105 ft

Previous crop: German Foxtail Millet

Planted: 5-14-2019

Harvested: 10-07-2019

Planting population: 140,000 seeds/a

Soil type: Williams-Bowbells loam

Soil test to 6" in ppm: P=26 ppm K=301 ppm OM=1.8% pH=5.9

Soil test to 24" in lb/a: N=106 lb/a

Applied fertilizers in lb/a: None

Herbicide Applications: Valor @ 3 oz/a with LV6 @ 1pt/a (10/22/18) ; Roundup @32oz/a (6/27/19)