

**2018 Soybean Variety Trial at Garrison**

**North Central Research Extension Center**

Cooperators: Brian and Roger Bendickson, Garrison

Company/Brand	Variety	Herbicide System	Maturity Group	IDC Rating	Plant Height	Protein %	Oil %	Test Weight lbs/bu	Yield ----- bushels/acre -----				
									2015	2016	2018	2 yr	3 yr
Proseed	30-20	RR	0.2	2.5	26	34.7	15.9	56.9	29.9	38.1	41.7	39.9	36.6
Proseed	10-08	RR	00.8	1.9	26	33.5	16.1	57.4	32.7	36.2	36.6	36.4	35.2
Proseed	20-30	RR	0.3	2.7	24	34.8	15.3	56.9	--	--	45.4	--	--
Dairyland Seed	DSR-0397/R2Y	RR	0.3	2.2	29	34.1	15.9	57.4	--	--	44.7	--	--
Dairyland Seed	DSR-0309R	GT	0.3	2.7	24	34.5	16.2	57.3	--	--	41.0	--	--
Dairyland Seed	DSR-0200/R2Y	RR	0.2	1.8	28	34.1	15.8	58.0	--	--	32.2	--	--
Dairyland Seed	DSR-0225/R2Y	RR	0.1	2.3	28	34.6	16.4	57.2	--	--	31.7	--	--
Integra	20126	RR	0.1	2.5	25	35.5	15.8	56.4	49.9	33.7	37.5	35.6	40.4
Integra	20215	RR	0.2	2.6	27	34.2	15.7	57.6	33.5	35.6	37.0	36.3	35.4
Integra	50309N	XT	0.3	1.8	25	34.6	15.0	57.4	--	--	36.6	--	--
LG Seeds	LGS0355RX	XT	0.3	1.8	26	32.7	15.6	57.4	--	--	45.8	--	--
LG Seeds	LGS00909R2	RR	00.9	2.0	26	33.1	16.1	57.5	--	--	38.1	--	--
LG Seeds	LGS0111RX	XT	0.1	2.4	25	34.4	16.1	57.2	--	--	36.3	--	--
LG Seeds	LGS0224R2	RR	0.2	2.6	23	34.6	15.6	57.4	--	--	35.8	--	--
REA Hybrids	RX0327	XT	0.3	2.2	21	34.5	15.8	56.7	--	--	34.2	--	--
REA Hybrids	RX0516	XT	0.5	3.1	22	35.3	15.1	57.6	--	--	33.8	--	--
Peterson	16R01	RR	0.1	2.5	30	34.5	16.5	57.2	36.1	32.8	37.3	35.1	35.4
Peterson	17X04N	XT	0.4	2.4	22	34.3	16.2	57.1	--	36.0	39.4	37.7	--
Legacy Seeds	LS-0334 RR2	RR	0.3	2.3	24	35.0	15.7	57.1	41.4	41.0	42.1	41.6	41.5
Legacy Seeds	LS-0135 RR2	RR	00.9	2.6	29	34.1	16.8	57.2	30.9	37.3	36.8	37.0	35.0
Legacy Seeds	LS-0337N RR2X	XT	0.3	2.2	22	34.3	16.0	57.1	--	34.6	40.2	37.4	--
Legacy Seeds	LS-0239N RR2X	XT	0.2	1.8	26	33.1	15.7	57.5	--	--	37.9	--	--
Legacy Seeds	LS-0438 RR2X	XT	0.4	2.6	24	35.4	15.5	57.3	--	--	36.4	--	--
Legacy Seeds	LS-0237 RR2X	XT	0.2	2.7	29	33.7	16.5	57.4	--	--	31.6	--	--
Dyna-Gro	S03XT29	XT	0.3	1.8	24	34.1	15.2	57.5	--	--	40.6	--	--
Dyna-Gro	S05XT88	XT	0.5	2.4	23	35.2	15.7	57.0	--	--	38.9	--	--
Dyna-Gro	S04XT77	XT	0.4	2.3	21	34.9	15.7	57.4	--	--	37.5	--	--
NDSU	ND17009GT	GT	00.9	3.1	27	36.7	15.5	58.6	--	--	33.6	--	--
NDSU	ND18008GT	GT	00.8	2.6	25	34.4	16.4	57.3	--	--	30.0	--	--
Trial Mean				2.4	25	34.5	15.8	57.3	33.0	35.6	37.2	--	--
C.V.%				14.1	6.6	2.0	2.5	0.6	12.1	12.2	8.8	--	--
LSD 5%				0.3	2	1.0	0.6	0.4	5.6	6.1	4.6	--	--
LSD 10%				0.3	2	0.8	0.5	0.4	4.7	5.1	3.9	--	--

<sup>a</sup> IDC rating = Iron deficiency chlorosis rating: 1 - green, 3 - yellow, 5 - dead

Planting Date: May 22

Harvest Date: September 28

Planting Rate: 150,000 PLS/A

Row Spacing: Solid Seeded (7" rows)

Soil Type: Williams Bowbells loam

Tillage: No-till

Previous Crop: 2014 = barley, 2015 = canola, 2017 = spring wheat

Note: Protein, oil, test weight and yield are adjusted to 13% moisture. No data for 2017.