

Soybean Variety Trial at Garrison

Cooperators: Brian and Roger Bendickson, Garrison

Company/Brand	Variety	Herbicide System	Maturity Group	IDC Rating 1-5 ^a	Plant Height inches	Protein %	Oil %	Test Weight lbs/bu	Yield bushels/acre	
									2018	2019
Rea Hybrids	RX00810	XT	00.8	2.4	22	34.7	15.0	56.9	--	43.4
Rea Hybrids	RX0330	XT	0.3	1.9	27	33.3	14.6	54.8	--	42.1
Rea Hybrids	RX0520	XT	0.5	2.1	22	35.2	14.5	52.5	--	41.1
LG Seeds	LGS00899RX	XT	00.8	2.3	25	34.0	15.4	56.9	--	47.7
LG Seeds	LGS0111RX	XT	0.1	2.6	26	34.7	14.8	54.7	36.3	53.2
LG Seeds	LGS0355RX	XT	0.3	1.8	25	34.5	14.1	56.8	45.8	53.7
Integra	40209 E3	EN	0.2	2.3	22	35.2	14.5	56.1	--	47.7
Integra	20215 R2Y	RR	0.2	2.2	24	34.6	14.3	57.0	37.0	55.2
Integra	20300 R2Y	RR	0.3	2.5	25	34.5	14.5	53.1	--	46.0
Integra	50309N R2X	XT	0.3	1.5	26	34.1	14.7	57.2	36.6	51.0
Proseed	XT 60-09	XT	00.9	2.2	26	33.4	15.5	56.5	--	44.8
Proseed	50-10	RR	0.1	2.9	30	34.6	15.4	56.9	--	48.1
Proseed	XT 80-20	XT	0.2	1.6	25	34.1	14.4	57.2	--	53.7
Proseed	EL 80-093	EN	00.9	2.2	27	33.4	15.2	57.7	--	49.2
Peterson Farms Seed	18X008	XT	00.8	2.3	25	33.8	15.3	57.1	--	41.9
Peterson Farms Seed	20X01	XT	0.1	3.2	22	34.6	14.9	56.6	--	50.0
Peterson Farms Seed	19EN008	EN	00.8	1.6	28	33.2	15.4	57.5	--	45.5
P3 Genetics	2002E	EN	0.2	--	23	34.9	14.6	56.9	--	46.2
Dyna-Gro	S03XT29	XT	0.3	1.7	26	34.3	14.3	57.4	40.6	51.3
Dyna-Gro	S04XT77	XT	0.4	2.4	23	34.5	14.8	56.6	37.5	49.8
Dyna-Gro	S05EN70	EN	0.5	2.2	24	33.1	15.1	53.4	--	44.3
Thunder Seed	TE79009	EN	00.9	--	24	33.4	15.4	56.5	--	40.1
NDSU	ND18008GT	GT	00.7	2.8	23	36.1	15.4	57.8	30.0	33.4
NDSU	ND17009GT	GT	00.9	3.1	25	36.7	15.6	59.1	33.6	39.9
Trial Mean				2.4	25	34.4	14.9	56.5	37.2	46.5
C.V. %				22.6	6.7	1.3	1.6	0.9	8.8	9.5
LSD 5%				0.4	2	0.6	0.3	0.7	4.6	6.2
LSD 10%				0.3	2	0.5	0.3	0.6	3.9	5.2

^a IDC rating = Iron deficiency chlorosis rating: 1 - green, 3 - yellow, 5 - dead

Planting Date: May 29

Harvest Date: October 8

Planting Rate: 150,000 PLS/A

Row Spacing: Solid Seeded (7" rows)

Tillage: No-till

Soil Type: Williams Bowbells loam

Previous Crop: 2017 = spring wheat, 2018 = soybean

Note: Protein, oil, test weight and yield are adjusted to 13% moisture.