

Soybean Variety Trial at Rugby

Cooperators: Dave Teigen and the Pierce County Crop Improvement Assoc.

Company/Brand	Variety	Herbicide System	Maturity Group	IDC Rating	Plant Height	Protein %	Oil %	Test Weight	Yield		
									2018	2019	Avg.
									----- bushels per acre -----		
REA Hybrids	RX00749	XT	00.7	1.8	23	33.7	15.8	56.6	55.9	33.2	44.6
REA Hybrids	RX00810	XT	00.8	2.4	21	33.2	16.3	56.1	--	38.6	--
REA Hybrids	RX0228	XT	0.2	1.6	26	33.7	15.9	56.3	60.1	39.6	49.9
REA Hybrids	RX0330	XT	0.3	1.9	24	33.3	15.2	55.9	--	41.7	--
LG Seeds	LGS00663RX	XT	00.6	2.1	21	33.6	15.7	57.5		33.5	--
LG Seeds	LGS00899RX	XT	00.8	2.3	24	33.0	16.4	56.4	--	38.6	--
LG Seeds	LGS0111RX	XT	0.1	2.6	27	33.8	16.1	56.0	--	45.7	--
Integra	50001 R2X	XT	00.1	2.5	23	33.7	15.8	56.0	--	41.8	--
Integra	40129 E3	EN	0.1	1.4	22	32.2	16.2	56.0	--	34.6	--
Integra	40209 E3	EN	0.2	2.3	22	33.3	15.6	55.8	--	35.9	--
Integra	20215 R2Y	RR	0.2	2.2	24	33.7	15.5	56.6	54.8	41.9	48.4
Integra	50309N R2X	XT	0.3	1.5	24	32.8	15.3	56.7	66.3	40.7	53.5
Proseed	XT 60-09	XT	00.9	2.2	26	32.7	16.6	56.7	--	37.5	--
Proseed	EL 80-093	EN	00.9	2.2	24	32.8	16.3	56.5	--	38.9	--
Proseed	50-10	RR	0.1	2.9	29	33.1	16.4	56.7	--	42.5	--
Proseed	XT 80-20	XT	0.2	1.6	25	32.6	15.4	56.4	--	44.0	--
Peterson Farms	18X008	XT	00.8	2.3	27	32.8	16.6	56.5	--	35.2	--
Peterson Farms	19EN008	EN	00.8	1.6	25	32.7	16.1	56.5	--	40.5	--
Peterson Farms	20X01	XT	0.1	3.2	22	33.3	16.1	56.3	--	35.6	--
P3 Genetics	2002E	EN	0.2	--	21	33.2	15.8	56.0	--	37.7	--
NorthStar	NS 90214E3	EN	0.2	2.5	21	33.6	15.5	55.7	--	42.0	--
NorthStar	NS 60264NXR2	XT	0.2	1.8	23	33.0	15.5	56.3	57.3	46.5	51.9
NorthStar	NS 90334E3	EN	0.3	2.4	22	33.2	15.5	56.5	--	46.3	--
Legacy Seeds	LS-00930 RR2X	XT	00.9	2.6	23	33.3	15.9	56.5	--	43.4	--
Legacy Seeds	LS-0239N RR2X	XT	0.2	1.7	25	33.1	15.2	56.7	53.8	40.5	47.1
Legacy Seeds	LS-0429 E3	EN	0.4	1.8	24	34.0	15.9	55.6	--	40.9	--
Legacy Seeds	LS-0438 RR2X	XT	0.4	2.6	23	34.0	15.9	55.7	--	41.0	--
NDSU	ND18008GT	GT	00.7	2.8	21	33.7	16.7	56.5	56.2	36.8	46.5
NDSU	ND17009GT	GT	00.9	3.1	24	35.0	16.6	58.6	57.4	35.3	46.3
Trial Mean				2.4	24	33.3	15.9	56.4	58.6	39.4	--
C.V.%				22.6	7.6	1.3	1.7	0.7	6.4	9.1	--
LSD 5%				0.4	3	0.6	0.4	0.5	5.2	5.0	--
LSD 10%				0.3	2	0.5	0.3	0.4	4.4	4.2	--

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

Planting Date: May 23

Harvest Date: October 21

Planting Rate: 150,000 PLS/A

Row Spacing: Solid Seeded (7" rows)

Soil Type: Gardena silt loam

Tillage: Minimum Till

Previous Crop: 2017 = Barley, 2018 = soybean

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