

2020 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	Test Weight	Yield				
							2018	2019	2020	2 yr	3 yr
						----- bushels/acre -----					
Integra	40129N	Enlist E3	0.1	2.1	30	58.2	--	34.6	31.8	33.2	--
Integra	20215	RR2	0.2	2.5	29	58.3	54.8	41.9	36.6	39.3	44.4
Integra	40201N	Enlist E3	0.2	2.9	24	57.6	--	--	38.9	--	--
Integra	50309N	Xtend	0.3	1.8	31	57.7	66.3	40.7	34.3	37.5	47.1
REA Hybrids	RX0411	Xtend	0.4	2.3	37	58.4	--	--	32.4	--	--
LG Seeds	LGS00899RX	Xtend	00.8	2.7	30	58.3	--	38.6	37.6	38.1	--
LG Seeds	LGS0111RX	Xtend	0.1	2.3	31	58.2	--	45.7	36.2	41.0	--
LG Seeds	LGS0355RX	Xtend	0.3	2.1	33	57.7	--	--	36.2	--	--
LG Seeds	LGS0400RX	Xtend	0.4	2.5	30	58.0	--	--	37.3	--	--
NK Seeds	S006-R7X	Xtend	00.6	2.8	25	57.9	--	--	39.2	--	--
NK Seeds	S01-C4X	Xtend	0.1	2.3	30	59.0	--	--	34.9	--	--
NK Seeds	S02-F9X	Xtend	0.2	3.1	26	58.6	--	--	36.8	--	--
NK Seeds	S03-S6X	Xtend	0.3	2.6	26	58.5	--	--	34.2	--	--
NK Seeds	S04-Q7X	Xtend	0.4	2.0	27	58.5	--	--	33.5	--	--
NK Seeds	S05-N5X	Xtend	0.5	2.8	27	58.3	--	--	33.2	--	--
Proseed	XT70-09	Xtend	00.9	2.6	29	58.5	--	--	35.9	--	--
Proseed	EL80-093	Enlist E3	00.9	2.1	29	58.9	--	38.9	37.1	38.0	--
Proseed	XT20-07	Xtend	00.7	2.4	31	58.0	--	--	38.2	--	--
Legacy Seeds	LS-0239N RR2X	Xtend	0.2	2.0	30	57.8	53.8	40.5	35.1	37.8	43.1
Legacy Seeds	LS-0319 LLGT27	LL,GT	0.3	2.5	26	58.0	--	--	32.3	--	--
Legacy Seeds	LS-0320N E3	Enlist E3	0.3	2.4	24	58.1	--	--	36.8	--	--
Legacy Seeds	LS-0429 E3	Enlist E3	0.4	1.9	29	58.1	--	40.9	30.9	35.9	--
Legacy Seeds	LS-0438	Xtend	0.4	2.7	28	58.1	--	41.0	31.0	36.0	--
Thunder Seed	SB81006	Xtend	00.6	2.7	28	57.7	--	--	37.5	--	--
Thunder Seed	TE71008N	Enlist E3	00.8	2.1	29	58.8	--	--	36.0	--	--
Thunder Seed	SB8001	Xtend	0.1	2.5	27	57.8	--	--	36.5	--	--
Thunder Seed	TE7101N	Enlist E3	0.1	3.1	24	57.8	--	--	35.9	--	--
NDSU	ND17009GT	GT	00.9	3.1	29	59.6	57.4	35.3	29.8	32.5	40.8
Trial Mean				2.4	28	58.3	58.6	39.4	35.1	--	--
C.V.%				14.7	7.6	0.6	6.4	9.1	7.8	--	--
LSD 5%				0.2	3	0.5	5.2	5.0	3.9	--	--
LSD 10%				0.2	3	0.4	4.4	4.2	3.2	--	--

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

Planting Date: May 28

Harvest Date: October 6

Row Spacing: Solid Seeded (7" rows)

Soil Type: Gardena silt loam

Tillage: Minimum Till

Previous Crop: 2017 = barley, 2018 = soybean, 2019 = barley