

2022 Soybean Variety Trial at Rugby

Cooperators: Dave Teigen and the Pierce County Crop Improvement Association

Company/Brand	Variety	Herbicide System	Maturity Group	Plant Height	Lodging	Protein	Oil	Test Weight	Yield				
									2019	2020	2022	2 yr avg	3 yr avg
				inches	0-9*	%	%	lbs/bu	bu/A				
REA Hybrids	RX00912	Xtend	00.9	26	0	32.8	17.1	55.9	--	--	48.2	--	--
REA Hybrids	R0112XF	XtendFlex	0.1	42	2	35.1	15.9	55.2	--	--	50.5	--	--
Golden Harvest	GH00973E3	Enlist E3	00.9	28	1	35.5	15.5	56.1	--	--	39.7	--	--
Golden Harvest	GH00982XF	Xtendflex	00.9	28	0	34.0	16.5	54.9	--	--	48.2	--	--
Golden Harvest	GH0272XF	Xtendflex	0.2	29	0	33.6	16.5	55.8	--	--	44.5	--	--
LG Seeds	LGS00838XF	Xtendflex	00.8	29	1	34.6	16.1	56.2	--	--	38.7	--	--
LG Seeds	LGS0111RX	Xtend	0.1	35	1	35.0	16.4	55.2	45.7	36.2	55.7	45.9	30.6
NK SEEDS	NK009-G7E3	Enlist E3	00.9	26	0	35.3	15.9	55.7	--	--	47.6	--	--
NK SEEDS	NK009-T1XF	Xtendflex	00.9	29	0	33.9	16.5	55.5	--	--	47.5	--	--
NK SEEDS	NK02-M4XF	Xtendflex	0.2	29	0	33.1	16.6	55.8	--	--	46.0	--	--
NK SEEDS	NK02-T4E3	Enlist E3	0.2	26	0	35.2	15.7	56.1	--	--	40.7	--	--
Integra	50309N	Xtend	0.3	35	2	34.1	15.9	56.4	40.7	34.3	46.9	40.6	27.1
Integra	70082N	Xtendflex	00.8	28	1	34.4	16.0	55.8	--	--	45.5	--	--
Integra	70212	Xtendflex	0.2	34	3	34.6	16.0	55.3	--	--	58.1	--	--
Integra	40113N	Enlist E3	0.1	25	0	34.7	16.5	55.7	--	--	51.7	--	--
Proseed	EL30-13	Enlist E3	0.1	28	1	33.9	16.9	55.0	--	--	48.6	--	--
Proseed	EL30-33	Enlist E3	0.3	28	1	33.4	16.8	55.1	--	--	46.8	--	--
Proseed	EL30-53	Enlist E3	0.5	28	0	34.5	16.0	55.4	--	--	55.0	--	--
Proseed	XF30-092N	XtendFlex	00.9	30	0	33.1	16.8	56.3	--	--	52.6	--	--
Proseed	XF30-42N	XtendFlex	0.4	30	1	34.5	16.4	55.7	--	--	56.0	--	--
Proseed	XF30-52N	XtendFlex	0.5	36	1	34.1	16.3	55.5	--	--	49.1	--	--
XITAVO	XO 0101E	Enlist E3	0.1	28	1	34.7	16.0	55.3	--	--	36.1	--	--
XITAVO	XO 0213E	Enlist E3	0.2	30	1	34.3	16.7	55.3	--	--	49.4	--	--
XITAVO	XO 0311E	Enlist E3	0.3	26	0	33.0	16.4	54.4	--	--	49.8	--	--
Legacy Seeds	LS014-22 XF	Xtendflex	0.1	38	1	34.6	15.8	55.0	--	--	56.6	--	--
Legacy Seeds	LS-0239	Xtend	0.2	32	1	33.6	16.2	55.6	40.5	35.1	55.9	45.5	30.3
Legacy Seeds	LS-0320E	Enlist E3	0.3	25	0	33.4	16.7	55.1	--	36.8	43.2	40.0	--
Legacy Seeds	LS032-22E	Enlist E3	0.3	26	1	34.0	16.1	54.8	--	--	49.1	--	--
Legacy Seeds	LS044-21 XF	Xtendflex	0.4	41	5	34.2	15.7	55.8	--	--	55.1	--	--
Thunder Seed	TX82008N	Xtendflex	00.8	29	1	34.3	16.2	55.9	--	--	40.5	--	--
Thunder Seed	TE7101N	Enlist E3	0.1	25	1	34.5	16.0	55.9	--	--	40.7	--	--
Thunder Seed	TX8301	Xtendflex	0.1	24	0	33.8	16.2	54.6	--	--	49.2	--	--
Thunder Seed	TE7302N	Enlist E3	0.2	23	0	34.8	16.2	55.4	--	--	48.2	--	--
Dak-Sota	DE5301	Enlist E3	0.1	27	0	33.7	16.9	54.8	--	--	45.5	--	--
Stine Seed	04EE06	Enlist E3	0.4	30	0	35.2	16.1	55.7	--	--	50.2	--	--
Stine Seed	05EB23	Enlist E3	0.5	29	1	32.9	16.8	55.0	--	--	49.3	--	--
NDSU	ND17009GT	GT	00.9	35	4	32.7	16.5	54.8	35.3	29.8	52.2	41.0	27.3
NDSU	ND21008GT20	GT	00.8	29	0	33.3	16.9	54.5	--	--	56.3	--	--
Trial Mean				30	1	34.2	16.3	55.4	39.4	35.1	50.0	--	--
C.V.%				6.5	--	1.3	1.7	0.7	9.1	7.8	5.2	--	--
LSD 5%				3	2	0.7	0.4	0.6	5.0	3.9	4.2	--	--
LSD 10%				3	1	0.6	0.4	0.5	4.2	3.3	3.5	--	--

*Lodging: 0 = none, 9 = lying flat on the ground

Planted on May 27 with a planting rate of 165,000 PLS/A and harvested on October 5.

Row Spacing: Solid Seeded (7" rows)

Soil Type: Gardena silt loam

Tillage: Minimum Till

Previous Crop: 2018 = soybean, 2019 = barley, 2021 = hrsw

Note: The 2021 trial sustained extreme drought. Data not shown.