

## 2024 Soybean Variety Trial at Rugby

Company	Variety	Herbicide System	Maturity	Lodging	Plant Height	Test Weight	Protein	Oil	Yield 2024
				1 - 9*	inches	lbs/bu	%	%	bu/a
Golden Harvest	GH00864XF	RR2XF	0.08	1	24	53.4	33.2	16.6	57.4
Golden Harvest	GH0414E3	Enlist E3	0.4	1	25	53.0	33.5	16.2	53.5
Golden Harvest	GH0225XF	RR2XF	0.2	1	24	54.5	34.3	16.4	50.0
Integra	XF0212	Xtendflex	0.2	1	29	54.2	33.3	16.2	49.3
Fortus	0324E	Enlist	0.2	1	25	53.9	34.1	16.2	56.1
Legacy Seeds	LS0098-23 XF	XF	00.9	1	26	54.3	32.7	16.3	52.9
Legacy Seeds	LS12-23 E	E3	0.1	1	25	53.3	33.1	16.4	51.4
Legacy Seeds	LS014-23 XF	XF	0.1	1	26	54.5	33.1	16.5	47.8
Legacy Seeds	LS024-23 XF	XF	0.2	1	25	54.0	32.8	16.8	50.3
Legacy Seeds	LS034-24 XF	XF	0.3	1	26	53.9	33.3	16.4	51.2
Legacy Seeds	LS044-23 XF	XF	0.4	1	26	52.6	33.7	16.1	52.2
Dak-Sota	DE54007	E3	00.7	1	25	53.8	33.2	16.0	55.5
Proseed	EL 50-13N	E3	0.1	1	27	52.9	33.4	16.5	51.8
Proseed	XF 30-062	XF	0.06	1	26	54.2	32.5	16.4	50.0
Proseed	XF 30-092N	XF	0.09	1	24	53.5	32.9	16.5	53.0
Proseed	XF 40-12	XF	0.1	1	24	54.4	32.4	16.5	48.6
Proseed	EL 50-063N	E3	0.06	1	20	53.9	33.9	16.8	53.3
Thunder Seed	TX85008	XF	00.8	1	23	53.2	32.8	16.6	51.6
Thunder Seed	TE7502N	E3	0.2	1	23	53.0	33.5	16.7	50.2
Thunder Seed	TX8402N	XF	0.2	1	24	53.6	33.5	16.4	53.6
Xitavo	XO 0094E	Enlist E3	0.0	1	25	53.6	33.5	16.2	54.9
Xitavo	XO 0234E	Enlist E3	0.2	1	24	53.1	34.2	16.3	48.8
Xitavo	XO 0315E	Enlist E3	0.3	1	22	53.3	33.1	16.1	50.6
Xitavo	XO 0554E	Enlist E3	0.5	1	23	54.1	33.3	16.2	53.1
NDSU	ND17009GT	GT	0.09	1	27	54.7	34.1	16.1	49.4
NDSU	ND21008GT20	GT	0.08	1	23	54.8	34.3	16.5	48.1
Trial mean	--	--	--	1	25	53.8	33.4	16.4	51.5
C.V. %	--	--	--	--	12.5	1.9	2.6	2.7	9.1
LSD 0.05	--	--	--	--	5	1.7	1.4	0.7	7.7
LSD 0.10	--	--	--	--	4	1.4	1.1	0.6	6.4

\*\*Lodging: 1 = none, 9 = lying flat on the ground.

Planting date: May 15, 2024

Harvest date: October 8, 2024

Seeding rate: 150,000 live seeds/acre

Previous crop: barley

Tillage system: minimum

Soil type: Gardena silt loam