

2024 Soybean Variety Trial at Minot

Company	Variety	Herbicide System	Maturity	Days to		Plant Height	Test		Oil	Yield 2024
				mature	Lodging		Weight	Protein		
				DAP*	1 - 9**	inches	lbs/bu	%	%	bu/a
Channel	00924RXF	RRXF	00.9	127	1	22	53.2	32.8	17.4	35.7
Dyna-Gro	S009EN24	Enlist E3	0.09	124	1	19	53.4	32.9	17.1	38.6
Dyna-Gro	S01XF43	Xtendflex	0.1	130	1	18	54.4	33.2	17.5	38.0
Dyna-Gro	S03EN94	Enlist E3	0.3	133	1	17	53.2	34.3	16.6	41.8
Golden Harvest	GH00864XF	RR2XF	0.08	124	1	23	53.7	33.8	16.8	33.5
Golden Harvest	GH0225XF	RR2XF	0.2	131	1	17	54.5	32.9	17.4	26.3
Integra	XF0212	Xtendflex	0.2	128	1	26	54.0	33.0	17.4	40.6
Integra	XF0493	Xtendflex	0.4	132	1	22	54.1	33.2	16.9	36.9
Fortus	0324E	Enlist	0.2	130	1	22	53.9	32.9	16.9	37.3
LG Seeds	LGS00820XF	XF	0.008	127	1	21	53.4	32.6	17.1	39.6
LG Seeds	LGS0125XF	XF	0.01	123	1	15	54.2	32.6	17.3	35.7
LG Seeds	LGS0139XF	XF	0.01	128	1	17	54.4	32.9	16.6	35.5
Legacy Seeds	LS0098-23 XF	XF	00.9	128	1	22	54.4	33.4	17.0	33.3
Legacy Seeds	LS12-23 E	E3	0.1	133	1	24	53.4	33.8	16.7	34.5
Legacy Seeds	LS014-23 XF	XF	0.1	128	1	23	54.1	33.4	17.0	37.8
Legacy Seeds	LS024-23 XF	XF	0.2	130	1	23	54.1	34.0	17.5	25.4
Legacy Seeds	LS034-24 XF	XF	0.3	133	1	22	53.5	33.8	16.9	36.0
NK Seeds	NK008-P8XF	Xtend	0.08	124	1	25	53.6	32.4	17.2	39.5
NK Seeds	NK02-W8E3	Enlist	0.2	128	1	22	53.6	34.0	16.8	38.8
NK Seeds	NK02-Y2FX	Xtend	0.2	132	1	22	53.1	32.9	17.2	34.2
NK Seeds	NK03-J1XF	Xtend	0.3	133	1	26	53.8	34.5	17.0	37.4
Proseed	EL 50-13N	E3	0.1	130	1	22	53.3	34.0	16.8	44.3
Proseed	XF 30-062	XF	0.06	125	1	22	54.2	33.5	16.9	44.5
Proseed	XF 30-092N	XF	0.09	123	1	25	53.4	33.5	16.8	39.1
Proseed	XF 40-12	XF	0.1	127	1	22	54.6	32.7	16.8	33.3
Xitavo	XO 0094E	Enlist E3	0.0	130	1	23	53.8	32.9	17.0	38.5
Xitavo	XO 0234E	Enlist E3	0.2	133	1	19	54.0	33.7	16.8	35.0
Xitavo	XO 0315E	Enlist E3	0.3	133	1	16	54.5	33.9	17.2	38.0
Xitavo	XO 0554E	Enlist E3	0.5	130	1	19	53.7	32.6	17.4	36.4
NDSU	ND17009GT	GT	0.09	131	1	17	54.5	33.1	17.0	44.4
NDSU	ND21008GT20	GT	0.08	131	1	24	55.1	34.6	17.3	41.9
Trial mean	--	--	--	129	1	21	53.9	33.3	17	37.5
C.V. %	--	--	--	3.2	--	18.8	1.5	3.6	2.9	9.0
LSD 0.05	--	--	--	7	--	6	1.3	1.9	0.8	5.5
LSD 0.10	--	--	--	6	--	5	1.1	1.6	0.7	4.6

*DAP = Days after planting.

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

Planting date: May 12, 2024

Harvest date: October 10, 2024

Seeding rate: 150,000 live seeds/acre

Previous crop: soybeans

Tillage system: no-till

Soil type: Williams loam