

2021 Soybean Variety Trial at Minot

Company / Brand	Variety	Herbicide System	Maturity Group	IDC Rating	Maturity Date	Plant Height	Protein %	oil %	Test Weight lbs/bu	Yield -----			
										2019	2020	2021*	2 yr*
										bushels / acre -----			
				1-5 ^a	Sept	inches	%	%	lbs/bu				
REA Hybrids	RX00912	RR2X	00.9	3.1	7	19	31.5	17.3	57.7	--	--	20.4	--
REA Hybrids	R0112XF	XtendFlex	0.1	2.4	8	22	31.3	17.5	57.7	--	--	21.8	--
REA Hybrids	RX0411	RR2X	0.4	2.6	11	19	30.7	17.4	57.0	--	--	19.6	--
Golden Harvest	GH00833E3	Enlist E3	00.8	1.8	8	23	31.7	17.2	57.7	--	34.2	21.8	--
Golden Harvest	GH00982XF	XtendFlex	00.9	3.1	7	19	31.8	17.1	57.5	--	--	24.6	--
Golden Harvest	GH0272XF	XtendFlex	0.2	2.6	9	20	30.6	18.0	57.9	--	--	27.5	--
LG Seeds	LGS00838XF	XtendFlex	00.8	3.2	5	19	31.5	17.4	57.7	--	--	23.7	--
LG Seeds	LGS0111RX	Xtend	0.1	2.7	9	20	32.1	17.2	57.4	52.8	35.1	24.2	43.9
LG Seeds	LGS0400RX	Xtend	0.4	2.3	9	20	30.6	17.1	57.2	--	37.3	23.3	--
Integra	50309N	Xtend	0.3	1.4	9	19	30.7	16.6	58.1	48.6	33.1	25.2	40.9
Integra	40201N	Enlist E3	0.2	3.3	9	16	32.2	17.0	57.6	--	34.4	16.9	--
Integra	40300N	Enlist E3	0.3	2.3	7	19	31.1	17.1	57.8	--	30.0	22.9	--
Integra	70212 XF	XtendFlex	0.2	2.5	7	20	31.6	17.5	57.9	--	--	15.2	--
Legacy Seeds	LS-00930 RR2X	RR2X	00.9	2.6	6	16	32.3	17.4	57.8	46.9	34.1	19.0	40.5
Legacy Seeds	LS012-21E	Enlist E3	0.1	2.3	9	17	31.9	17.4	56.8	--	--	20.3	--
Legacy Seeds	LS012-20E	Enlist E3	0.1	2.5	5	16	31.5	16.9	57.7	--	31.2	21.3	--
Legacy Seeds	LS-0239 RR2X	RR2X	0.2	1.1	8	19	30.7	16.5	58.3	48.2	32.0	29.3	40.1
Legacy Seeds	LS-0320N E	Enlist E3	0.3	2.7	7	17	31.1	17.3	58.0	--	--	17.9	--
Dyna-Gro	S009XF52	XtendFlex	00.9	3.0	2	16	31.1	17.8	57.5	--	--	15.3	--
Dyna-Gro	S009XT68	Xtend	00.9	2.8	5	19	31.9	16.5	58.2	50.3	36.9	20.2	43.6
Dyna-Gro	S03XT29	Xtend	0.3	1.2	7	16	31.6	16.6	58.8	52.9	37.0	20.5	44.9
Thunder Seed	TX82008N	XtendFlex	00.8	3.7	7	20	31.4	17.5	57.8	--	--	23.3	--
Thunder Seed	TE71008N	Enlist E3	00.8	1.9	7	21	32.2	17.1	57.4	--	35.6	16.8	--
Thunder Seed	SB8001	Xtend	0.1	2.7	5	15	32.0	17.3	57.5	--	33.9	19.0	--
MS Technologies	XO 0101E	Enlist E3	0.1	--	7	18	31.7	16.9	57.2	--	--	17.7	--
MS Technologies	XO 0311E	Enlist E3	0.3	--	8	18	32.5	16.6	57.5	--	--	12.2	--
NK Seeds	S006-R7X	Xtend	00.6	3.0	4	16	31.1	18.0	57.9	--	33.5	23.7	--
NK Seeds	S008-E3	Enlist E3	00.8	1.5	7	15	31.1	17.5	57.9	--	--	19.9	--
NK Seeds	NK009-T1XF	XtendFlex	00.9	2.8	5	17	31.2	17.6	57.5	--	--	19.0	--
NK Seeds	NK02-M4XF	XtendFlex	0.2	3.1	7	21	30.9	17.7	56.3	--	--	20.4	--
NK Seeds	S02-F9X	Xtend	0.2	3.2	10	16	30.7	17.0	58.8	--	36.4	22.8	--
NK Seeds	S02-E3	Enlist E3	0.2	2.6	6	17	31.1	17.2	57.7	--	--	15.0	--
Dairyland Seed	DSR-0119E	Enlist E3	0.1	2.3	6	19	30.2	17.6	57.8	--	39.7	20.5	--
Stine Seed	002EE06	Enlist E3	00.6	--	0	18	32.1	16.8	57.8	--	--	9.5	--
Stine Seed	003EB62	Enlist E3	00.7	--	6	18	31.8	17.3	58.2	--	--	15.1	--
Stine Seed	01EE03	Enlist E3	00.9	--	8	16	31.8	17.2	56.8	--	--	13.0	--
Stine Seed	01EA63	Enlist E3	00.9	--	6	17	31.9	16.9	58.0	--	--	16.6	--
Proseed	XT80-20N	RR2X	0.2	1.1	11	16	30.5	16.6	58.3	--	--	24.8	--
Proseed	XT60-40N	RR2X	0.4	3.0	9	21	31.5	17.4	57.8	--	--	21.3	--
Hefty	H01x0	Xtend	0.1	--	7	15	32.1	17.4	57.7	--	--	21.4	--
Hefty	H02E1	Enlist E3	0.2	--	9	19	31.1	17.6	56.3	--	--	14.7	--
Zinesto	Z0102E	Enlist E3	0.1	--	11	15	30.6	16.9	57.8	--	--	22.6	--
Zinesto	Z0100E	Enlist E3	0.1	--	9	19	31.8	16.9	57.3	--	--	20.6	--
NDSU	ND17009GT	GT	00.9	3.8	9	20	34.1	17.2	59.5	49.6	27.1	20.0	38.4
NDSU	ND21008GT20	GT	00.8	1.2	5	20	31.1	17.8	57.8	--	--	20.3	--
Trial Mean				2.6	7	18	31.5	17.2	57.7	48.1	33.2	19.8	--
C.V.%				19.1	0.2	12.8	2.2	1.8	1.0	7.0	8.1	22.1	--
LSD 5%				0.7	3	4	1.1	0.5	0.9	5.5	4.4	7.1	--
LSD 10%				0.6	2	3	1.0	0.4	0.8	4.6	3.6	5.9	--

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

Planting Date: May 19 Planting Rate: 165,000 PLS/A Row Spacing: solid seeded (7")

Harvest Date: September 27 Previous Crop: 2018 = wheat, 2019 & 2020 = soy

Soil Type: Williams Loam Tillage: No-till

***The 2021 trial sustained extreme drought. Data from this trial may be unreliable and should be viewed with caution.**

2 year average yields do not include 2021 data.