

## 2022 Soybean Variety Trial at Garrison

Cooperators: Brian and Roger Bendickson, Garrison

Company/Brand	Variety	Herbicide System	Maturity Group	Plant Height	Protein	Oil	Test Weight	Yield 2020	Yield 2022	Yield Avg
				inches	%	%	lbs/bu	-----	bu/A	-----
REA Hybrids	RX00912	Xtend	00.9	23	33.4	17.2	56.1	--	39.7	--
REA Hybrids	R0112XF	XtendFlex	0.1	25	34.0	16.9	57.2	--	34.0	--
REA Hybrids	R0422XF	XtendFlex	0.4	20	34.2	17.5	56.4	--	26.1	--
Golden Harvest	GH0272XF	XtendFlex	0.2	22	33.7	17.2	55.9	--	37.5	--
Golden Harvest	GH0443X	Xtend	0.4	19	36.9	16.0	57.5	--	29.7	--
LG Seeds	LGS0111RX	Xtend	0.1	26	35.6	16.0	56.6	37.9	32.3	35.1
LG Seeds	LGS0400RX	Xtend	0.4	25	33.9	16.6	57.3	34.9	37.0	36.0
NK SEEDS	NK009-G7E3	Enlist E3	00.9	20	35.9	15.6	55.9	--	32.3	--
NK SEEDS	NK009-T1XF	XtendFlex	00.9	20	34.2	17.0	55.7	--	38.5	--
NK SEEDS	NK02-M4XF	XtendFlex	0.2	22	33.7	17.2	56.3	--	34.0	--
NK SEEDS	NK02-T4E3	Enlist E3	0.2	18	35.8	16.2	56.1	--	30.9	--
NK SEEDS	NK03-V5E3	Enlist E3	0.3	18	35.7	15.9	56.7	--	32.0	--
NK SEEDS	NK05-W3XF	XtendFlex	0.5	22	36.4	15.7	58.3	--	32.6	--
NK SEEDS	NK06-D9E3	Enlist E3	0.6	17	34.4	16.7	57.1	--	32.1	--
NK SEEDS	NK06-P2XF	XtendFlex	0.6	21	36.0	16.4	58.1	--	25.0	--
Integra	50309N	Xtend	0.3	21	34.9	15.6	57.6	32.3	29.1	30.7
Integra	70212	XtendFlex	0.2	26	35.0	16.5	57.5	--	27.8	--
Integra	70493	XtendFlex	0.4	22	35.3	17.4	56.6	--	32.0	--
Proseed	EL30-13	Enlist E3	0.1	21	34.9	16.1	56.2	--	29.8	--
Proseed	EL30-33	Enlist E3	0.3	21	34.3	17.4	55.9	--	33.6	--
Proseed	EL30-53	Enlist E3	0.5	19	34.6	17.1	56.9	--	27.2	--
Proseed	XF30-092N	XtendFlex	00.9	23	34.5	16.4	56.1	--	32.4	--
Proseed	XF30-42N	XtendFlex	0.4	20	35.6	17.2	56.3	--	31.2	--
Proseed	XF30-52N	XtendFlex	0.5	22	35.5	16.3	57.6	--	32.9	--
XITAVO	XO 0101E	Enlist E3	0.1	18	36.5	16.2	55.6	--	28.3	--
XITAVO	XO 0213E	Enlist E3	0.2	21	34.7	16.9	56.3	--	29.1	--
XITAVO	XO 0311E	Enlist E3	0.3	20	35.1	15.8	56.1	--	29.9	--
Legacy Seeds	LS-0239	Xtend	0.2	22	35.0	15.3	57.1	35.7	34.2	34.9
Legacy Seeds	LS-0320E	Enlist E3	0.3	21	34.3	17.4	55.8	38.9	33.3	36.1
Legacy Seeds	LS032-22E	Enlist E3	0.3	20	35.3	15.6	56.0	--	28.5	--
Legacy Seeds	LS044-21 XF	XtendFlex	0.4	25	34.7	16.3	58.4	--	25.6	--
Dyna-Gro	S01XF43	XtendFlex	0.1	19	34.5	16.0	56.5	--	32.2	--
Dyna-Gro	S03XT29	Xtend	0.3	21	34.7	15.6	56.9	35.9	34.0	34.9
Dyna-Gro	S05XF73	XtendFlex	0.5	23	35.7	16.3	58.3	--	29.4	--
NDSU	ND17009GT	GT	00.9	21	36.4	16.5	58.8	33.5	30.3	31.9
NDSU	ND21008GT20	GT	00.8	22	34.5	16.9	56.1	--	28.5	--
Trial Mean				21	34.8	16.5	56.6	34.8	32.9	--
C.V.%				8.9	1.5	1.9	0.8	10.9	6.6	--
LSD 5%				3	0.9	0.5	0.7	NS	3.5	--
LSD 10%				3	0.7	0.4	0.6	4.4	2.9	--

NS = no statistical difference between varieties.

Planted on May 17 with a planting rate of 165,000 PLS/A and harvested on September 27.

Row Spacing: Solid Seeded (7" rows)

Previous Crop: 2018 = soybean, 2019 = spring wheat, 2021 = soybean

Soil Type: Williams Bowbells loam

Tillage: No-till

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