

2022 Soybean Variety Trial at Mohall

Cooperators: Dean Schoenberg and the Renville/Bottineau Ag Improvement Assoc.

Company/Brand	Variety	Herbicide System	Maturity Group	Plant Height inches	Protein %	Oil %	Test Weight lbs/bu	Yield		
								2021	2022	Avg
								-----bu/A-----		
REA Hybrids	RX00912	Xtend	00.9	29	32.2	18.1	56.1	43.7	45.5	44.6
REA Hybrids	R0112XF	XtendFlex	0.1	37	34.4	16.8	57.6	41.5	49.5	45.5
Golden Harvest	GH00973E3	Enlist E3	00.9	26	36.0	15.6	55.8	--	53.1	--
Golden Harvest	GH0213E3	Enlist E3	0.2	27	35.5	15.5	56.4	--	49.4	--
LG Seeds	LGS00838XF	XtendFlex	00.8	27	34.0	16.8	56.7	37.0	45.2	41.1
LG Seeds	LGS0111RX	Xtend	0.1	32	34.8	16.6	57.3	46.1	51.3	48.7
NK SEEDS	NK009-G7E3	Enlist E3	00.9	26	36.4	15.6	55.8	--	53.4	--
NK SEEDS	NK009-T1XF	XtendFlex	00.9	27	34.0	17.0	56.5	38.5	46.6	42.5
Integra	70063	XtendFlex	00.6	31	34.6	17.0	56.2	--	46.3	--
Integra	70082N	XtendFlex	00.8	27	33.7	17.3	56.5	38.3	45.4	41.9
Integra	40089N	Enlist E3	00.8	29	34.2	17.0	55.4	37.0	47.1	42.0
Proseed	EL30-13	Enlist E3	0.1	30	34.8	16.3	57.3	--	46.7	--
Proseed	EL30-33	Enlist E3	0.3	30	34.0	16.4	57.1	--	45.4	--
Proseed	EL30-53	Enlist E3	0.5	30	34.9	16.2	58.8	--	49.4	--
Proseed	XF30-092N	XtendFlex	00.9	32	34.0	17.0	56.5	--	55.0	--
Proseed	XF30-42N	XtendFlex	0.4	30	34.8	16.7	56.5	--	50.5	--
Proseed	XF30-52N	XtendFlex	0.5	36	34.5	16.1	57.8	--	51.1	--
XITAVO	XO 0101E	Enlist E3	0.1	28	35.4	15.7	57.1	36.2	48.2	42.2
Legacy Seeds	LS012-21 E	Enlist E3	0.1	32	34.7	16.1	57.5	44.3	49.1	46.7
Legacy Seeds	LS014-22 XF	XtendFlex	0.1	37	34.6	16.5	57.6	--	47.2	--
Legacy Seeds	LS-0239	Xtend	0.2	31	34.4	16.0	55.2	34.3	45.2	39.7
Legacy Seeds	LS-0320E	Enlist E3	0.3	32	34.4	16.5	57.6	39.1	50.4	44.8
Legacy Seeds	LS032-22E	Enlist E3	0.3	28	34.7	15.5	57.4	--	52.2	--
Dyna-Gro	S009XF33	XtendFlex	00.9	26	33.7	16.6	56.5	--	48.4	--
Dyna-Gro	S006XF83	XtendFlex	00.6	29	32.2	17.9	55.7	--	50.3	--
Stine Seed	002EE06	Enlist E3	00.2	27	34.9	15.6	56.9	26.7	28.8	27.8
Stine Seed	008EE02	Enlist E3	00.8	25	34.5	16.7	57.2	--	39.3	--
Stine Seed	01EE03	Enlist E3	0.1	29	35.1	16.1	57.7	41.9	49.5	45.7
Stine Seed	01EE02	Enlist E3	0.1	22	35.0	16.1	56.7	--	35.4	--
NDSU	ND17009GT	GT	00.9	34	36.5	16.9	58.0	31.3	39.0	35.2
NDSU	ND21008GT20	GT	00.8	32	34.2	17.0	56.1	29.2	42.4	35.8
Trial Mean				30	34.6	16.5	56.8	34.4	47.9	--
C.V.%				9.5	2.2	2.5	1.2	8.8	8.6	--
LSD 5%				5	1.2	0.7	1.1	4.9	6.7	--
LSD 10%				4	1.0	0.6	0.9	4.1	5.6	--

Planted on May 26 with a planting rate of 165,000 PLS/A and harvested on May 26.

Row Spacing: Solid Seeded (7" rows)

Soil Type: Barnes loam

Tillage: Minimum Till

Previous Crop: 2019 = durum, 2020 = canola, 2021 = oat.