

Soybean Variety Trial at Mohall

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

Company/Brand	Variety	Herbicide System	Maturity Group	IDC Rating	Plant Height	Protein	Oil	Test Weight	Yield -----				
									2016	2017	2018	2 yr	3 yr
				1-5 ^a	inches	%	%	lbs/bu					
										----- bushels/acre -----			
Legend Seeds	LS 005X853	XT	00.5	2.7	25	34.9	14.5	58.9	--	36.3	26.9	31.6	--
Prairie Brand	PB-00856R2	RR	00.9	2.6	25	37.1	14.2	58.3	54.4	40.3	26.4	33.4	40.4
Dairyland Seed	DSR-0225/R2Y	RR	0.1	2.3	28	35.3	15.5	58.7	61.9	39.7	27.0	33.3	42.9
Dairyland Seed	DSR-C999/R2Y	RR	00.9	2.6	22	35.9	14.7	58.3	--	44.7	25.1	34.9	--
Dairyland Seed	DSR-0200/R2Y	RR	0.2	1.8	29	35.1	15.0	59.4	--	--	24.3	--	--
Integra	20215	RR	0.2	2.6	25	36.7	14.4	58.4	52.2	36.8	27.7	32.2	38.9
Integra	20097	RR	00.9	2.6	27	35.5	15.3	58.9	46.7	39.8	28.7	34.2	38.4
Integra	50098	XT	00.9	2.3	24	34.7	14.7	59.3	--	41.2	25.6	33.4	--
Integra	50309N	XT	0.3	1.8	25	35.9	13.8	59.1	--	--	34.1	--	--
LG Seeds	LGS0111RX	XT	0.1	2.4	27	36.1	14.6	58.3	--	--	31.4	--	--
LG Seeds	LGS0224R2	RR	0.2	2.6	23	36.3	14.7	58.5	--	--	28.7	--	--
LG Seeds	LGS00909R2	RR	00.9	2.0	24	34.1	15.2	58.8	--	--	26.5	--	--
LG Seeds	LGS00663RX	XT	00.6	2.6	25	35.3	14.3	59.5	--	--	26.3	--	--
LG Seeds	LGS00885R2	RR	00.8	2.8	23	37.2	13.9	58.4	--	--	23.2	--	--
REA Hybrids	R00727	RR	00.7	2.2	26	35.5	14.9	58.6	54.1	37.6	25.3	31.4	39.0
REA Hybrids	RX0228	XT	0.2	1.6	29	35.2	14.6	58.6	--	41.2	27.3	34.3	--
REA Hybrids	RX00619	XT	00.6	2.2	25	33.5	15.7	58.6	--	--	27.4	--	--
REA Hybrids	RX00749	XT	00.7	1.9	26	35.1	14.7	58.9	--	--	22.9	--	--
Legacy Seeds	LS-00835N RR2	RR	00.8	2.8	27	36.9	13.9	58.1	69.2	53.1	28.4	40.7	50.2
Legacy Seeds	LS-0135 RR2	RR	00.9	2.6	29	35.7	15.5	58.9	57.7	45.2	26.4	35.8	43.1
Legacy Seeds	LS-00737N RR2X	XT	00.7	2.4	25	34.5	14.8	58.9	--	42.0	29.1	35.6	--
Legacy Seeds	LS-00937 RR2X	XT	00.9	2.1	28	35.7	14.5	59.3	--	39.5	26.2	32.9	--
Hefty Seed	H03x7	XT	0.3	--	23	37.0	14.2	58.3	--	54.1	33.1	43.6	--
Hefty Seed	009x7	XT	00.9	2.2	26	34.9	14.6	59.0	--	42.3	25.6	34.0	--
Hefty Seed	H02x9	XT	0.2	1.9	26	36.4	13.6	59.1	--	--	28.4	--	--
Hefty Seed	H02x7	XT	0.2	2.5	30	35.4	15.0	58.3	--	--	28.3	--	--
Hefty Seed	H008x8	XT	00.8	2.5	26	34.5	15.4	58.8	--	--	23.2	--	--
Hefty Seed	H03x8	XT	0.3	2.5	26	36.1	13.8	57.8	--	--	21.6	--	--
Dyna-Gro	S005XT38	XT	00.5	2.4	26	34.3	14.9	58.9	--	39.8	29.3	34.5	--
Dyna-Gro	S007XT27	XT	00.7	2.6	25	34.4	14.9	59.1	--	--	29.7	--	--
Dyna-Gro	S009XT49	XT	00.9	2.1	25	35.5	14.4	59.2	--	--	28.5	--	--
Dyna-Gro	S007XT59	XT	00.7	2.2	25	35.4	14.6	59.3	--	--	26.1	--	--
NorthStar	NS 0081NR2	RR	00.8	2.7	24	36.3	14.5	58.5	51.1	37.5	25.2	31.4	37.9
NorthStar	NS 0111R2	RR	0.1	2.8	29	35.2	15.6	58.8	--	--	31.4	--	--
NorthStar	NS 0064R2	RR	00.6	2.2	24	37.0	14.2	58.9	--	--	30.8	--	--

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Soybean Variety Trial at Mohall Continued

Company/Brand	Variety	Herbicide System	Maturity Group	IDC Rating	Plant Height	Protein	Oil	Test Weight	Yield				
									2016	2017	2018	2 yr	3 yr
				1-5 ^a	inches	%	%	lbs/bu					
Thunder Seed	ASTRO	RR	00.8	2.3	25	35.6	14.7	58.9	--	39.7	35.9	37.8	--
Thunder Seed	SB88007N	XT	00.7	2.3	29	33.7	15.5	58.9	--	42.4	28.6	35.5	--
Thunder Seed	39005 R2Y	RR	00.5	2.2	26	37.1	14.4	58.9	--	--	31.6	--	--
Thunder Seed	SB89006N	XT	00.6	1.8	28	35.4	14.6	59.1	--	--	29.3	--	--
Golden Harvest	GH0391	RR	0.3	2.0	23	37.8	13.5	57.9	--	--	28.0	--	--
Golden Harvest	GH0145X	XT	0.1	2.5	26	35.2	15.0	58.8	--	--	26.7	--	--
Golden Harvest	GH00866	RR	00.8	1.8	27	35.7	15.5	58.0	--	--	26.4	--	--
NDSU	ND17009GT	GT	00.9	3.1	27	37.8	14.7	59.5	--	39.2	25.8	32.5	--
NDSU	ND18008GT	GT	00.8	2.6	27	36.1	15.1	59.0	--	29.3	25.3	27.3	--
Trial Mean				2.4	26	35.6	14.7	58.8	52.1	38.9	27.5	--	--
C.V.%				14.1	6.6	2.0	2.9	0.6	6.6	8.5	11.4	--	--
LSD 5%				0.3	2	1.0	0.6	0.5	4.8	4.6	4.4	--	--
LSD 10%				0.3	2	0.9	0.5	0.4	4.0	3.8	3.7	--	--

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

Planting Date: May 23

Harvest Date: September 29

Planting Rate: 150,000 PLS/A

Row Spacing: Solid Seeded (7" rows)

Soil Type: Barnes loam

Tillage: Minimum Till

Previous Crop: 2015 = sunflower, 2016 & 2017 = durum

Note: Protein, oil, test weight and yield are adjusted to 13% moisture.