

Soybean Variety Trial at Mohall

Cooperators: Dean Schoenberg and the Renville/Bottineau Ag Improvement Association

Company/Brand	Variety	Maturity Group	IDC Rating	Plant Height	Lodging 0-9 ^b	Protein %	Oil %	Test Weight lbs/bu	Yield		
									2015	2016	Avg
			1-5 ^a	inches				bushels/acre			
Integra	20090	00.9	1.7	29	0	32.6	15.6	57.6	61.0	57.8	59.4
Integra	20087	00.8	2.3	25	0	33.7	15.3	57.0	--	52.8	--
Integra	20097	00.9	2.0	30	0	33.1	16.4	56.8	--	46.7	--
Integra	20215	0.1	2.5	26	0	34.3	14.8	57.8	76.7	52.2	64.4
Peterson Farms Seed	17X009	00.9	1.8	32	0	32.9	14.9	57.7	--	51.8	--
Peterson Farms Seed	16R008N	00.8	2.0	29	1	33.1	15.5	57.1	69.6	48.2	58.9
Syngenta	S006-W5	00.6	2.5	28	0	34.1	16.4	57.0	--	53.1	--
Syngenta	S007-Y4	00.5	2.0	28	0	32.9	16.5	56.7	--	50.5	--
Syngenta	S02-R2	0.2	2.1	28	1	32.5	15.6	57.8	--	57.4	--
Syngenta	S04-D3	0.4	2.4	32	0	33.7	14.8	57.5	--	60.0	--
REA Hybrids	R00727	00.7	1.8	29	0	32.3	16.1	56.6	--	54.1	--
REA Hybrids	R0216	0.2	1.5	33	1	32.8	16.2	57.0	59.7	56.2	57.9
Mycogen Seeds	5B013R2	0.1	2.3	32	0	32.7	16.4	57.2	--	55.4	--
Mycogen Seeds	5G009R2	00.9	1.9	31	0	32.5	15.8	57.1	65.1	51.2	58.2
Mycogen Seeds	5G007R2	00.7	1.9	25	0	32.4	15.8	57.4	--	44.1	--
Proseed	XT6007	00.7	1.7	28	0	31.8	15.9	57.8	--	49.3	--
Proseed	XT6009	00.9	1.8	34	1	32.9	15.0	58.0	--	52.2	--
Proseed	10-08	00.8	1.9	32	1	32.4	15.6	57.0	64.8	50.5	57.7
Hefty Seed	H006R7	00.6	1.8	27	0	32.4	16.2	56.3	--	46.0	--
Hefty Seed	H008R3	00.8	1.5	31	0	32.4	16.2	57.2	67.8	53.1	60.4
Hefty Seed	H008R6	00.8	2.3	30	2	33.4	15.2	56.8	64.1	43.3	53.7
Hefty Seed	H009R3	00.9	2.6	27	0	33.3	15.2	58.2	78.6	54.9	66.7
Hefty Seed	H009R5	00.9	1.5	28	0	33.5	16.1	57.4	62.6	48.3	55.4
Hefty Seed	H00R6	0.0	--	31	0	32.5	16.4	57.3	--	51.7	--
Hefty Seed	H01R4	0.1	2.1	26	0	33.7	15.0	57.8	--	48.1	--
Hefty Seed	H02R3	0.2	2.3	30	0	33.5	15.3	57.7	--	50.8	--
Hefty Seed	H02X7	0.2	2.0	32	1	32.2	15.6	57.1	--	50.4	--
Hefty Seed	H03X7	0.3	2.0	28	0	33.0	15.6	56.8	--	54.1	--
Hefty Seed	H05X7	0.5	2.2	30	0	33.2	14.8	57.9	--	53.7	--
Wensman	W10063NRX	00.6	1.7	27	0	32.2	15.7	58.1	--	53.6	--
Wensman	W1016RX	0.1	1.6	33	1	33.9	14.4	57.7	--	60.9	--
Wensman	W30065NR2	00.6	1.9	27	0	32.1	16.3	57.5	--	47.4	--
Wensman	W30085NR2	00.8	2.0	29	1	33.8	15.3	56.9	70.2	54.0	62.1
Wensman	W3024R2	0.2	2.0	28	0	33.4	14.9	57.8	80.1	53.5	66.8
Prairie Brand	PB-00727R2	00.7	1.7	27	1	32.8	15.8	57.1	--	59.2	--
Prairie Brand	PB-00856R2	00.8	2.3	29	1	33.6	15.4	56.8	68.7	54.4	61.6
Prairie Brand	PB-0146R2	0.1	2.2	36	1	33.6	15.9	57.5	74.0	61.9	68.0
Prairie Brand	PB-00950R2	00.9	1.7	30	1	33.1	15.6	57.7	63.7	57.7	60.7
Legacy Seed	LS-0135 RR2	0.1	2.2	34	1	33.5	16.1	57.2	64.8	57.7	61.2
Legacy Seed	LS-0214 RR2	0.2	2.0	31	0	33.7	15.7	57.2	69.1	56.4	62.8
Legacy Seed	LS-00835N RR2	00.8	2.3	31	0	33.1	15.6	57.4	69.2	53.1	61.2
Legacy Seed	LS-00834 RR2	00.8	2.2	25	0	33.4	15.6	57.2	--	48.9	--

continued on next page

Soybean Variety Trial at Mohall Continued

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Company/Brand	Variety	Maturity Group	IDC Rating	Plant Height	Lodging	Protein %	Oil %	Test Weight lbs/bu	Yield		
									2015	2016	Avg
			1-5 ^a	inches	0-9 ^b	%	%		bushels/acre		
Dyna-Gro Seed	S006RY97	00.6	2.0	27	0	33.3	16.1	56.9	--	51.3	--
Dyna-Gro Seed	S009RY56	00.9	2.1	31	1	33.9	15.3	56.9	--	53.5	--
NorthStar Genetics	NS 0012R2	00.1	2.4	27	0	32.2	16.6	56.5	--	49.2	--
NorthStar Genetics	NS 0052R2	00.5	1.9	28	1	33.4	15.9	57.2	--	42.9	--
NorthStar Genetics	NS 0072R2	00.7	1.7	28	1	33.7	15.8	56.7	--	42.8	--
NorthStar Genetics	NS 0080R2	00.6	1.6	31	0	32.1	15.7	57.3	66.2	52.2	59.2
NorthStar Genetics	NS 0081NR2	00.8	2.1	30	0	32.8	15.5	56.7	60.7	51.1	55.9
NorthStar Genetics	NS 0090R2	00.9	2.0	28	0	33.4	15.4	57.1	--	50.4	--
See-Co	IS00818	00.8	--	31	0	30.6	16.5	57.1	--	52.6	--
See-Co	IS0386	0.3	--	32	0	34.1	15.1	58.2	--	51.2	--
Nutech	NT6048	0.4	1.7	29	0	33.2	15.7	57.6	--	47.6	--
Trial Mean			2.0	29	0	33.0	15.7	57.3	65.1	52.1	--
C.V.%			--	8.9	212	3.3	2.8	0.9	7.0	6.6	--
LSD 5%			0.3	4	NS	1.5	0.6	0.7	6.4	4.8	--
LSD 10%			0.2	3	NS	1.2	0.5	0.6	5.4	4.0	--

^a IDC rating = Iron deficiency chlorosis rating: 1 - green, 3 - yellow, 5 - dead^b Lodging: 0 = none, 9 = lying flat on the ground.

Planting Date: June 3

Planting Rate: 100,000 PLS/A

Harvest Date: October 14

Row Spacing: Solid Seeded (7" rows)

Previous Crop: 2014 = oat, 2015 = sunflower

Soil Type: Barnes loam

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