

**NDSU North Central Research Extension Center**

**2017 RR 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 lbs/bu	Yield ----- bushels/acre -----				
									1-5 <sup>a</sup>	inches	2015	2016	2017
Integra	20215	RR	00.9	2.2	29	32.0	16.4	57.2	76.7	52.2	36.8	44.5	55.2
Integra	20097	RR	00.9	2.1	31	31.7	17.5	56.5	--	46.7	39.8	43.2	--
Integra	20062	RR	00.6	2.2	32	32.6	16.8	56.6	--	--	42.3	--	--
Integra	50098	XT	00.9	2.1	33	31.9	15.9	56.4	--	--	41.2	--	--
Legend Seeds	LS 005X853	XT	00.5	2.1	32	30.0	16.9	57.6	--	--	36.3	--	--
Legend Seeds	LS 006R760N	RR	00.6	1.9	27	31.3	16.9	57.2	--	--	30.9	--	--
NDSU	ND17009GT	RR1	00.9	2.7	33	32.5	17.5	58.4	--	--	39.2	--	--
Legacy Seeds	LS-00835N RR2	RR	00.8	2.0	33	32.1	16.6	56.8	69.2	53.1	45.3	49.2	55.9
Legacy Seeds	LS-0135 RR2	RR	00.9	1.9	35	30.9	17.7	56.6	64.8	57.7	45.2	51.5	55.9
Legacy Seeds	LS-0214 RR2	RR	0.2	2.1	33	32.3	17.4	57.6	69.1	56.4	41.0	48.7	55.5
Legacy Seeds	LS-00834 RR2	RR	00.7	2.1	27	29.7	16.3	55.7	--	48.9	35.5	42.2	--
Legacy Seeds	LS-00737N RR2X	XT	00.7	2.0	28	30.8	16.2	56.6	--	--	42.0	--	--
Legacy Seeds	LS-0237 RR2X	XT	0.2	2.3	35	30.3	17.4	57.7	--	--	40.6	--	--
Legacy Seeds	LS-00937 RR2X	XT	00.9	1.9	32	30.3	16.3	57.3	--	--	39.5	--	--
Legacy Seeds	LS-00538N RR2X	XT	00.5	1.9	30	29.1	17.5	58.1	--	--	35.7	--	--
Legacy Seeds	LS-0337N RR2X	XT	0.3	2.1	30	31.2	17.5	57.5	--	--	35.4	--	--
NorthStar	NS 0081NR2	RR	00.8	2.0	31	31.6	16.8	56.2	60.7	51.1	37.5	44.3	49.8
NorthStar	NS 0072R2	RR	00.7	1.9	33	31.5	17.3	57.7	--	42.8	41.9	42.4	--
NorthStar	NS 0052R2	RR	00.5	2.1	34	30.9	17.3	56.3	--	42.9	40.9	41.9	--
NorthStar	NS 0012R2	RR	00.1	2.5	27	30.4	16.8	56.4	--	49.2	34.4	41.8	--
NorthStar	NS 60053XR2	XT	00.5	2.1	33	30.7	17.0	57.2	--	--	41.2	--	--
NorthStar	NS 60092XR2	XT	00.9	1.7	33	30.0	16.3	57.0	--	--	40.6	--	--
Proseed	10-08	RR	00.8	1.9	33	30.9	16.4	57.6	64.8	50.5	45.2	47.9	53.5
Proseed	XT 60-09	XT	00.9	2.1	32	31.4	16.0	57.2	--	52.2	41.7	47.0	--
Proseed	50-08	RR	00.8	2.4	30	31.1	16.9	57.3	--	--	42.7	--	--
Proseed	30-20	RR	0.2	1.9	34	31.3	17.5	57.0	--	--	41.1	--	--
Proseed	20-30	RR	0.3	2.1	32	31.8	16.9	58.3	--	--	37.1	--	--
Proseed	30-07	RR	00.7	1.9	26	31.2	16.1	54.8	--	--	29.2	--	--
Thunder Seed	SB88007N	XT	00.7	1.9	32	31.3	16.6	57.9	--	--	42.4	--	--
Thunder Seed	36008 R2YN	RR	00.8	2.3	33	30.7	17.1	57.0	--	--	42.1	--	--
Thunder Seed	Astro	RR	00.8	1.8	34	31.6	16.1	57.5	--	--	39.7	--	--
Thunder Seed	37004 R2Y	RR	00.4	2.3	32	31.7	16.9	57.3	--	--	36.7	--	--
Thunder Seed	3601 R2Y	RR	0.1	2.0	33	31.6	17.2	56.6	--	--	35.4	--	--
Thunder Seed	SB8703	XT	0.3	2.1	36	29.8	17.5	57.2	--	--	34.7	--	--

**2017 RR Soybean Variety Trial at Mohall—Continued**

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Company/Brand	Variety	Herbicide System	Maturity Group	IDC Rating	Plant Height	Protein %	Oil %	Test Weight	Yield -----				
									2015	2016	2017	2 yr	3 yr
Thunder Seed	34006 R2Y	RR	00.6	2.4	30	30.3	17.0	57.3	--	--	33.9	--	--
Thunder Seed	SB87009	XT	00.9	1.8	32	31.0	16.5	56.9	--	--	31.2	--	--
Prairie Brand	PB-0146R2	RR	0.1	2.1	31	31.1	17.5	56.1	74.0	61.9	39.7	50.8	58.5
Prairie Brand	PB-00856R2	RR	00.9	2.3	30	31.4	16.7	56.2	68.7	54.4	40.3	47.4	54.5
Prairie Brand	PB-00928R2	RR	00.9	2.7	33	30.7	17.5	57.2	--	--	44.7	--	--
Peterson Farms Seed	16R008N	RR	00.8	2.0	32	31.2	16.7	56.5	69.6	48.2	38.8	43.5	52.2
Peterson Farms Seed	17x009	XT	00.7	2.0	31	31.4	16.1	57.2	--	51.8	39.0	45.4	--
REA Hybrids	R00727	RR	00.7	1.9	28	29.2	17.5	56.0	--	54.1	37.6	45.9	--
REA Hybrids	RX0228	XT	0.2	1.5	33	31.0	17.2	57.3	--	--	41.2	--	--
REA Hybrids	RX00738	XT	00.7	2.2	31	31.0	15.9	57.7	--	--	39.0	--	--
Wensman	W3024R2	RR	0.2	2.3	31	31.4	16.4	56.7	80.1	53.5	40.4	47.0	58.0
Wensman	W30085NR2	RR	00.8	2.3	31	29.9	17.2	57.2	70.2	54.0	39.7	46.9	54.6
Wensman	W10063NRX	XT	00.6	2.1	30	30.9	16.2	57.1	--	53.6	41.1	47.3	--
Wensman	W30099R2	RR	00.9	1.9	33	30.3	17.0	57.8	--	--	44.0	--	--
Wensman	W1011RX	XT	0.1	2.3	30	29.7	17.8	57.5	--	--	38.7	--	--
Hefty Seed	H05x7	XT	0.5	2.4	30	31.8	16.6	57.7	--	53.7	43.3	48.5	--
Hefty Seed	H03x7	XT	0.3	2.1	29	31.3	17.4	57.4	--	54.1	38.0	46.1	--
Hefty Seed	H009x7	XT	00.9	1.9	32	30.4	16.3	57.3	--	--	42.3	--	--
Hefty Seed	H007x7	XT	00.7	2.1	29	31.4	16.0	56.9	--	--	40.9	--	--
Hefty Seed	H005x8	XT	00.5	2.1	30	28.2	17.6	58.1	--	--	36.6	--	--
Hefty Seed	H008x8	XT	00.8	2.3	31	30.0	17.1	57.8	--	--	32.1	--	--
Dyna-Gro	S009RY56	RR	00.9	2.1	33	31.4	17.0	57.3	--	53.5	39.2	46.3	--
Dyna-Gro	S006RY97	RR	00.6	2.0	29	31.3	17.0	56.9	--	51.3	39.9	45.6	--
Dyna-Gro	S005XT38	XT	00.5	1.8	30	29.8	17.3	57.0	--	--	39.8	--	--
Dyna-Gro	S009XT68	XT	00.9	2.1	31	29.2	16.8	57.0	--	--	37.8	--	--
Asgrow	AG00835	RR	00.8	--	28	29.7	16.3	56.7	--	--	36.8	--	--
Croplan Genetics	RX00926	XT	00.9	--	30	29.6	16.8	56.7	--	--	40.2	--	--
Croplan Genetics	R2T0091	RR	00.9	--	29	28.5	17.5	57.4	--	--	35.0	--	--
Trial Mean				2.2	31	30.8	16.9	57.1	65.1	52.1	38.9	--	--
C.V.%				21.4	8.5	5.0	3.3	1.1	7.0	6.6	8.5	--	--
LSD 5%				0.3	4	2.2	0.8	0.9	6.4	4.8	4.6	--	--
LSD 10%				0.2	3	1.8	0.7	0.7	5.4	4.0	3.8	--	--

<sup>a</sup> IDC rating = Iron deficiency chlorosis rating: 1 - green, 3 - yellow, 5 - dead

Planting Date: May 20

Harvest Date: October 3

Planting Rate: 150,000 PLS/A

Row Spacing: Solid Seeded (7" rows)

Soil Type: Barnes loam

Tillage: Minimum Till

Previous Crop: 2014 = oat, 2015 = sunflower, 2016 = durum

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