

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	Maturity Group	IDC Rating	Plant Height	Protein %	Oil %	Test Weight	Yield -----				
								2015	2016	2017	2 yr	3 yr
			1-5 ^a	inches			lbs/bu	bushels/acre -----				
Integra	20215	00.9	2.2	29	32.0	16.4	57.2	76.7	52.2	36.8	44.5	55.2
Integra	20097	00.9	2.1	31	31.7	17.5	56.5	--	46.7	39.8	43.2	--
Integra	20062	00.6	2.2	32	32.6	16.8	56.6	--	--	42.3	--	--
Integra	50098	00.9	2.1	33	31.9	15.9	56.4	--	--	41.2	--	--
Legend Seeds	LS 005X853	00.5	2.1	32	30.0	16.9	57.6	--	--	36.3	--	--
Legend Seeds	LS 006R760N	00.6	1.9	27	31.3	16.9	57.2	--	--	30.9	--	--
NDSU	ND17009GT	00.9	2.7	33	32.5	17.5	58.4	--	--	39.2	--	--
Legacy Seeds	LS-00835N RR2	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	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	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	00.7	2.1	27	29.7	16.3	55.7	--	48.9	35.5	42.2	--
Legacy Seeds	LS-00737N RR2X	00.7	2.0	28	30.8	16.2	56.6	--	--	42.0	--	--
Legacy Seeds	LS-0237 RR2X	0.2	2.3	35	30.3	17.4	57.7	--	--	40.6	--	--
Legacy Seeds	LS-00937 RR2X	00.9	1.9	32	30.3	16.3	57.3	--	--	39.5	--	--
Legacy Seeds	LS-00538N RR2X	00.5	1.9	30	29.1	17.5	58.1	--	--	35.7	--	--
Legacy Seeds	LS-0337N RR2X	0.3	2.1	30	31.2	17.5	57.5	--	--	35.4	--	--
NorthStar	NS 0081NR2	00.8	2.0	31	31.6	16.8	56.2	60.7	51.1	37.5	44.3	49.8
NorthStar	NS 0072R2	00.7	1.9	33	31.5	17.3	57.7	--	42.8	41.9	42.4	--
NorthStar	NS 0052R2	00.5	2.1	34	30.9	17.3	56.3	--	42.9	40.9	41.9	--
NorthStar	NS 0012R2	00.1	2.5	27	30.4	16.8	56.4	--	49.2	34.4	41.8	--
NorthStar	NS 60053XR2	00.5	2.1	33	30.7	17.0	57.2	--	--	41.2	--	--
NorthStar	NS 60092XR2	00.9	1.7	33	30.0	16.3	57.0	--	--	40.6	--	--
Proseed	10-08	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	00.9	2.1	32	31.4	16.0	57.2	--	52.2	41.7	47.0	--
Proseed	50-08	00.8	2.4	30	31.1	16.9	57.3	--	--	42.7	--	--
Proseed	30-20	0.2	1.9	34	31.3	17.5	57.0	--	--	41.1	--	--
Proseed	20-30	0.3	2.1	32	31.8	16.9	58.3	--	--	37.1	--	--
Proseed	30-07	00.7	1.9	26	31.2	16.1	54.8	--	--	29.2	--	--
Thunder Seed	SB88007N	00.7	1.9	32	31.3	16.6	57.9	--	--	42.4	--	--
Thunder Seed	36008 R2YN	00.8	2.3	33	30.7	17.1	57.0	--	--	42.1	--	--
Thunder Seed	Astro	00.8	1.8	34	31.6	16.1	57.5	--	--	39.7	--	--
Thunder Seed	37004 R2Y	00.4	2.3	32	31.7	16.9	57.3	--	--	36.7	--	--

2017 RR Soybean Variety Trial at Mohall—Continued

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

Company/Brand	Variety	Maturity Group	IDC Rating	Plant Height	Protein %	Oil %	Test Weight lbs/bu	Yield ----- bushels/acre -----				
								2015	2016	2017	2 yr	3 yr
Thunder Seed	3601 R2Y	0.1	2.0	33	31.6	17.2	56.6	--	--	35.4	--	--
Thunder Seed	SB8703	0.3	2.1	36	29.8	17.5	57.2	--	--	34.7	--	--
Thunder Seed	34006 R2Y	00.6	2.4	30	30.3	17.0	57.3	--	--	33.9	--	--
Thunder Seed	SB87009	00.9	1.8	32	31.0	16.5	56.9	--	--	31.2	--	--
Prairie Brand	PB-0146R2	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	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	00.9	2.7	33	30.7	17.5	57.2	--	--	44.7	--	--
Peterson Farms Seed	16R008N	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	00.7	2.0	31	31.4	16.1	57.2	--	51.8	39.0	45.4	--
REA Hybrids	R00727	00.7	1.9	28	29.2	17.5	56.0	--	54.1	37.6	45.9	--
REA Hybrids	RX0228	0.2	1.5	33	31.0	17.2	57.3	--	--	41.2	--	--
REA Hybrids	RX00738	00.7	2.2	31	31.0	15.9	57.7	--	--	39.0	--	--
Wensman	W3024R2	0.2	2.3	31	31.4	16.4	56.7	80.1	53.5	40.4	47.0	58.0
Wensman	W30085NR2	00.8	2.3	31	29.9	17.2	57.2	70.2	54.0	39.7	46.9	54.6
Wensman	W10063NRX	00.6	2.1	30	30.9	16.2	57.1	--	53.6	41.1	47.3	--
Wensman	W30099R2	00.9	1.9	33	30.3	17.0	57.8	--	--	44.0	--	--
Wensman	W1011RX	0.1	2.3	30	29.7	17.8	57.5	--	--	38.7	--	--
Hefty Seed	H05x7	0.5	2.4	30	31.8	16.6	57.7	--	53.7	43.3	48.5	--
Hefty Seed	H03x7	0.3	2.1	29	31.3	17.4	57.4	--	54.1	38.0	46.1	--
Hefty Seed	H009x7	00.9	1.9	32	30.4	16.3	57.3	--	--	42.3	--	--
Hefty Seed	H007x7	00.7	2.1	29	31.4	16.0	56.9	--	--	40.9	--	--
Hefty Seed	H005x8	00.5	2.1	30	28.2	17.6	58.1	--	--	36.6	--	--
Hefty Seed	H008x8	00.8	2.3	31	30.0	17.1	57.8	--	--	32.1	--	--
Dyna-Gro	S009RY56	00.9	2.1	33	31.4	17.0	57.3	--	53.5	39.2	46.3	--
Dyna-Gro	S006RY97	00.6	2.0	29	31.3	17.0	56.9	--	51.3	39.9	45.6	--
Dyna-Gro	S005XT38	00.5	1.8	30	29.8	17.3	57.0	--	--	39.8	--	--
Dyna-Gro	S009XT68	00.9	2.1	31	29.2	16.8	57.0	--	--	37.8	--	--
Asgrow	AG00835	00.8	--	28	29.7	16.3	56.7	--	--	36.8	--	--
Croplan Genetics	CG RX00926	00.9	--	30	29.6	16.8	56.7	--	--	40.2	--	--
Croplan Genetics	CG R2T0091	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	--	--

^a 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.