

**NDSU North Central Research Extension Center  
2017 Roundup Ready & Extend Soybean Variety Trial at Minot**

Company/Brand	Variety	Herbicide System	Maturity Group	IDC Rating	Maturity Date	Plant Height	Protein %	Oil %	Test Weight	Yield -----				
										1-5 <sup>a</sup>	Sept	inches	lbs/bu	2015
										----- bushels / acre -----				
Integra	20215	RR	00.9	2.2	8	33	28.1	17.5	56.4	57.6	48.3	29.4	38.8	45.1
Integra	20126	RR	0.1	2.1	10	30	29.2	18.4	57.1	--	52.6	31.4	42.0	--
Integra	20097	RR	00.9	2.1	6	33	27.6	18.8	56.6	--	50.4	29.8	40.1	--
Integra	20062	RR	00.6	2.2	3	28	29.1	18.1	56.2	--	--	29.6	--	--
Legend Seeds	LS 009X852N	XT	00.9	1.9	8	31	25.8	18.6	56.5	--	--	34.3	--	--
Legend Seeds	LS 01X850	XT	0.1	1.8	8	28	27.8	17.6	57.4	--	--	26.3	--	--
Legend Seeds	LS 005X853	XT	00.5	2.1	6	32	26.1	18.2	57.5	--	--	25.6	--	--
Legend Seeds	LS 006R760N	RR	00.6	1.9	1	24	27.2	18.6	55.1	--	--	22.2	--	--
NDSU	ND17009GT	RR1	00.9	2.7	7	31	28.4	19.0	58.1	43.6	42.6	27.4	35.0	37.9
Legacy Seed	LS-0214 RR2	RR	0.2	2.1	10	33	29.0	18.3	56.4	--	--	38.7	--	--
Legacy Seed	LS-00737N RR2X	XT	00.7	2.0	6	30	28.2	17.2	56.6	--	--	38.5	--	--
Legacy Seed	LS-00538N RR2X	XT	00.5	2.0	8	29	27.6	17.7	57.1	--	--	33.6	--	--
Legacy Seed	LS-0337N RR2X	XT	0.3	2.1	12	30	27.6	18.1	57.5	--	--	33.1	--	--
Legacy Seed	LS-0135 RR2	RR	00.9	1.9	9	36	27.4	18.7	56.3	--	--	32.4	--	--
Legacy Seed	LS-0237 RR2X	XT	0.2	2.3	10	37	27.4	18.1	57.0	--	--	31.7	--	--
Legacy Seed	LS-00937 RR2X	XT	00.9	1.9	8	34	26.8	17.4	56.8	--	--	31.0	--	--
Legacy Seed	LS-00835N RR2	RR	00.8	2.3	9	32	27.2	18.2	56.2	--	--	29.8	--	--
Legacy Seed	LS-00834 RR2	RR	00.7	2.1	1	29	29.3	16.3	56.2	--	--	27.8	--	--
NorthStar Genetics	NS 0081NR2	RR	00.8	2.0	11	33	27.4	18.3	57.1	51.4	55.5	34.0	44.8	47.0
NorthStar Genetics	NS 0072R2	RR	00.7	2.0	11	35	29.5	18.0	56.8	--	46.7	32.7	39.7	--
NorthStar Genetics	NS 0111R2	RR	0.1	1.9	7	33	27.5	18.8	56.5	--	47.7	31.2	39.4	--
NorthStar Genetics	NS 60082NXR2	XT	00.8	1.9	6	28	27.3	17.9	55.9	--	--	30.7	--	--
NorthStar Genetics	NS 60092XR2	XT	00.9	1.7	10	34	28.0	17.2	56.7	--	--	29.4	--	--
NorthStar Genetics	NS 60442NXR2	XT	0.4	2.2	11	27	27.1	18.6	56.7	--	--	26.7	--	--
Proseed	20-30	RR	0.3	2.1	11	32	29.4	17.6	56.5	75.9	51.3	33.5	42.4	53.6
Proseed	30-20	RR	0.2	1.9	8	32	29.2	18.4	55.4	63.8	50.0	34.6	42.3	49.5
Proseed	10-08	RR	00.8	1.9	8	34	27.6	17.9	57.6	59.7	43.1	38.1	40.6	47.0
Proseed	XT 60-09	XT	00.9	2.1	9	35	28.4	17.3	57.1	--	50.7	34.1	42.4	--
Proseed	50-08	RR	00.8	2.4	10	32	29.5	17.5	57.3	--	--	35.0	--	--
Proseed	30-07	RR	00.7	1.9	2	25	27.8	17.0	56.5	--	--	25.8	--	--
Dyna-Gro Seed	S009RY56	RR	00.9	2.1	10	32	27.6	17.9	56.6	58.7	49.0	32.6	40.8	46.8
Dyna-Gro Seed	S03RY36	RR	0.3	1.8	11	30	28.4	18.1	57.1	--	--	45.0	--	--
Dyna-Gro Seed	S009XT68	XT	00.9	2.1	9	35	28.1	17.2	56.4	--	--	34.0	--	--
Hefty Seed	H03x7	XT	0.3	2.1	12	31	30.1	17.6	57.0	--	47.8	33.4	40.6	--
Hefty Seed	H05x7	XT	0.5	2.4	14	31	30.3	17.2	57.5	--	50.1	30.6	40.4	--
Hefty Seed	H009x7	XT	00.9	1.9	7	30	28.9	17.3	56.0	--	45.5	34.6	40.0	--
Hefty Seed	H007x7	XT	00.7	2.1	1	25	30.1	16.8	57.1	--	37.2	34.7	36.0	--
Hefty Seed	H008x8	XT	00.8	2.3	8	32	29.8	17.5	56.9	--	--	39.1	--	--
Hefty Seed	H005x8	XT	00.5	2.1	4	29	28.1	17.5	57.2	--	--	34.2	--	--

**2017 Roundup Ready & Extend Soybean Variety Trial at Minot—Continued**

Company/Brand	Variety	Herbicide System	Maturity Group	IDC Rating	Maturity Date	Plant Height	Protein %	Oil %	Test Weight lbs/bu	Yield ----- bushels / acre -----				
										2015	2016	2017	2 yr	3 yr
Dairyland Seed	DSR-C918/R2Y	RR	00.9	2.2	12	31	27.5	17.7	56.4	63.6	47.7	33.4	40.6	48.2
Dairyland Seed	DSR-0225/R2Y	RR	0.2	2.1	6	32	28.5	18.5	56.0	--	52.2	36.2	44.2	--
Dairyland Seed	DST00-003/R2Y	RR	0.0	2.6	12	33	29.2	17.9	57.0	--	--	47.0	--	--
Wensman Seed	W30085NR2	RR	00.8	2.3	9	31	28.1	17.9	57.2	53.5	44.9	33.7	39.3	44.0
Wensman Seed	W1011RX	XT	0.1	2.3	10	36	27.4	18.3	57.3	--	--	41.8	--	--
Wensman Seed	W3024R2	RR	0.2	2.3	9	30	29.1	17.3	56.6	--	--	39.0	--	--
Wensman Seed	W10063NRX	XT	00.6	2.1	5	30	26.8	17.9	55.8	--	--	38.8	--	--
REA Hybrids	R00727	RR	00.7	1.9	7	34	27.3	17.6	55.2	--	45.2	41.8	43.5	--
REA Hybrids	RX00738	XT	00.7	2.2	7	35	27.4	17.3	56.8	--	--	39.0	--	--
REA Hybrids	RX0228	XT	0.2	1.5	9	34	26.3	18.6	56.3	--	--	34.9	--	--
REA Hybrids	RX0327	XT	0.3	2.2	11	30	27.7	18.4	57.4	--	--	31.7	--	--
Peterson Farms Seed	16R01	RR	0.1	2.1	8	37	27.1	18.5	55.9	47.9	51.4	41.9	46.6	47.1
Peterson Farms Seed	16R008N	RR	00.8	2.0	8	31	26.8	18.3	56.6	55.8	45.4	32.8	39.1	44.7
Peterson Farms Seed	17x009	XT	00.7	2.0	9	33	28.4	17.3	57.1	--	50.7	37.5	44.1	--
Peterson Farms Seed	18X008N	XT	00.8	2.0	6	32	28.6	17.8	57.1	--	--	38.8	--	--
Prairie Brand Seed	PB-0146R2	RR	0.1	2.1	8	31	27.8	18.8	55.8	64.6	51.1	38.6	44.8	51.4
Prairie Brand Seed	PB-00928R2	RR	00.9	2.7	12	30	29.0	18.1	57.2	--	--	40.7	--	--
Prairie Brand Seed	PB-0397R2	RR	0.3	2.1	12	31	26.8	18.2	57.3	--	--	37.2	--	--
Prairie Brand Seed	PB-00856R2	RR	00.9	2.3	10	31	28.1	17.9	56.8	--	--	33.9	--	--
Thunder Seed	Astro	RR	00.8	1.8	12	33	29.3	16.9	57.5	--	--	40.5	--	--
Thunder Seed	3601 R2Y	RR	0.1	2.0	11	36	28.7	18.1	56.0	--	--	39.8	--	--
Thunder Seed	36008 R2YN	RR	00.8	2.3	10	33	29.8	17.5	56.9	--	--	38.8	--	--
Thunder Seed	SB8703	XT	0.3	2.1	11	34	26.1	18.5	57.1	--	--	38.5	--	--
Thunder Seed	SB88007N	XT	00.7	2.2	5	32	27.7	18.0	57.8	--	--	36.3	--	--
Thunder Seed	34006 R2Y	RR	00.6	2.4	9	33	28.4	17.9	55.4	--	--	34.7	--	--
Thunder Seed	SB87009	XT	00.9	1.8	10	30	30.2	16.9	57.2	--	--	34.1	--	--
Thunder Seed	37004 R2Y	RR	00.4	2.3	6	29	29.7	17.8	56.0	--	--	32.1	--	--
Trial Mean				2.2	8	32	28.1	17.9	56.7	56.3	47.2	34.3	--	--
C.V.%				21.4	16.6	5.9	4.7	2.7	1.3	8.7	7.7	11.0	--	--
LSD 5%				0.3	2	3	2.1	0.8	1.2	6.8	5.9	6.1	--	--
LSD 10%				0.2	2	3	1.8	0.6	1.0	5.7	4.9	5.1	--	--

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

Planting Date: May 17

Harvest Date: September 30

Planting Rate: 150,000 PLS/A

Soil Type: Williams Loam

Row Spacing: 15"

Note: Oil, protein and yield are adjusted to 13% moisture.

Tillage: Minimum Till

Previous Crop: 2014 & 2015 = wheat, 2016 = barley