

2017 Roundup Ready & Extend Soybean Variety Trial at Minot

North Central Research Extension Center

Company/Brand	Variety	Herbicide System	Maturity Group	IDC Rating	Maturity Date	Plant Height	Protein	Oil	Test Weight	Yield -----				
										1-5 ^a	Sept	inches	%	%
										----- 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		
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	--	--

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

Planting Date: May 17

Planting Rate: 150,000 PLS/A

Row Spacing: 15"

Tillage: Minimum Till

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

Harvest Date: September 30

Soil Type: Williams Loam

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