

North Central Research Extension Center

Roundup Ready Soybean Variety Trial at Minot

Company/Brand	Variety	Herbicide System	Maturity Group	IDC Rating	Maturity Date	Plant Height	Lodging	Protein %	Oil %	Test Weight	Yield		
											1-5 ^a	Sept	inches
Integra	20090	RR	00.9	1.7	16	30	0	33.9	15.6	57.9	45.4	49.4	47.4
Integra	20097	RR	00.9	2.0	16	33	1	33.6	16.3	57.7	--	50.4	--
Integra	20215	RR	0.1	2.5	20	25	0	34.1	15.2	57.6	57.6	48.3	52.9
Integra	20126	RR	0.1	2.2	16	32	0	31.8	16.4	56.7	--	52.6	--
Peterson Farms Seed	17X009	Xtend	00.9	1.8	19	30	1	34.1	14.9	57.7	--	50.7	--
Peterson Farms Seed	16R008N	RR	00.8	2.0	10	29	0	34.7	15.6	56.6	55.8	45.4	50.6
Peterson Farms Seed	16R01	RR	0.1	1.8	15	33	1	33.1	16.5	57.1	47.9	51.4	49.7
Syngenta	S006-W5	RR	00.6	2.5	8	28	0	34.1	16.7	56.2	--	45.3	--
Syngenta	S007-Y4	RR	00.5	2.0	11	28	0	32.9	16.7	57.1	--	43.5	--
Syngenta	S02-R2	RR	0.2	2.1	15	25	0	33.6	15.3	57.8	--	50.1	--
Syngenta	S04-D3	RR	0.4	2.4	17	25	0	33.5	15.3	57.8	--	41.2	--
Dairyland Seed	DSR-C918/R2Y	RR	00.9	2.1	14	23	0	34.7	15.0	57.2	63.6	47.7	55.7
Dairyland Seed	DSR-0225/R2Y	RR	0.2	2.3	12	35	1	32.4	16.9	57.6	--	52.2	--
REA Hybrids	R00727	RR	00.7	1.8	13	33	0	32.1	16.2	57.0	--	45.2	--
REA Hybrids	R0216	RR	0.2	1.5	16	34	0	32.2	16.7	57.2	59.4	51.1	55.3
Mycogen Seeds	5B033R2	RR	0.3	2.1	19	31	1	33.9	15.7	57.5	--	57.2	--
Mycogen Seeds	5B024R2	RR	0.2	1.7	16	32	0	34.0	15.5	58.1	59.4	46.9	53.2
Mycogen Seeds	5B013R2	RR	0.1	2.3	12	36	1	32.3	16.7	57.1	--	53.5	--
Mycogen Seeds	5G009R2	RR	00.9	1.9	16	32	0	32.9	15.5	58.3	61.1	51.4	56.2
Mycogen Seeds	5G007R2	RR	00.7	1.9	13	25	0	33.7	15.4	57.2	--	47.6	--
Proseed	XT6007	Xtend	00.7	1.7	9	29	0	33.7	15.4	58.4	--	46.7	--
Proseed	XT6009	Xtend	00.9	1.8	17	32	0	33.6	15.1	58.0	--	50.7	--
Proseed	XT603	Xtend	0.3	2.0	17	33	1	32.9	15.7	57.5	--	43.9	--
Proseed	20-30	RR	0.3	2.1	16	27	0	33.5	16.0	57.2	75.9	51.3	63.6
Proseed	30-20	RR	0.2	1.9	24	30	1	34.0	15.5	57.8	63.8	50.0	56.9
Proseed	10-08	RR	00.8	1.9	12	32	1	33.2	15.5	57.9	59.7	43.1	51.4
Hefty Seed	H007X7	Xtend	00.7	2.1	9	26	0	33.4	15.7	58.3	--	37.2	--
Hefty Seed	H006R7	RR	00.6	1.8	9	27	0	32.8	16.5	57.4	--	42.0	--
Hefty Seed	H008R3	RR	00.8	1.5	14	27	0	32.5	17.0	56.4	56.0	39.1	47.5
Hefty Seed	H008R6	RR	00.8	2.3	15	28	1	33.3	16.0	56.7	51.3	43.0	47.2
Hefty Seed	H009R3	RR	00.9	2.6	18	25	1	33.0	15.9	57.6	58.0	47.1	52.5
Hefty Seed	H009R5	RR	00.9	1.5	14	31	1	31.8	17.5	56.4	43.9	34.5	39.2
Hefty Seed	H00R6	RR	0.0	--	15	31	1	32.8	16.7	57.2	--	44.4	--
Hefty Seed	H01R4	RR	0.1	2.1	17	27	0	33.6	15.9	57.6	--	40.8	--
Hefty Seed	H02R3	RR	0.2	2.3	19	29	1	33.1	15.7	57.2	--	44.3	--

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Roundup Ready Soybean Variety Trial at Minot Continued

Company/Brand	Variety	Herbicide System	Maturity Group	IDC Rating	Maturity Date	Plant Height	Lodging	Protein %	Oil %	Test Weight	Yield		
											2015	2016	Avg.
				1-5 ^a	Sept	inches	0-9 ^b	%	%	lbs/bu	-----bu/A-----		
Hefty Seed	H009X7	Xtend	00.9	2.0	11	30	0	32.6	15.6	58.1	--	45.5	--
Hefty Seed	H02X7	Xtend	0.2	2.0	15	34	0	32.7	16.1	57.4	--	45.6	--
Hefty Seed	H03X7	Xtend	0.3	2.0	18	27	1	33.6	15.9	57.3	--	47.8	--
Hefty Seed	H05X7	Xtend	0.5	2.2	20	31	1	33.2	15.4	58.4	--	50.1	--
Wensman	W30099R2	RR	00.9	1.6	16	30	0	32.5	16.1	57.6	--	41.3	--
Wensman	W1016RX	Xtend	0.1	1.6	17	33	0	33.5	15.0	58.1	--	51.0	--
Wensman	W30085NR2	RR	00.8	2.0	13	28	0	34.4	15.8	57.0	53.5	44.9	49.2
Wensman	W3024R2	RR	0.2	2.0	10	25	0	32.9	15.7	57.7	55.3	42.1	48.7
Prairie Brand	PB-00727R2	RR	00.7	1.7	15	26	0	33.2	15.9	57.5	--	41.2	--
Prairie Brand	PB-00856R2	RR	00.8	2.3	13	28	0	33.8	15.6	56.5	53.7	43.9	48.8
Prairie Brand	PB-0146R2	RR	0.1	2.2	15	35	1	33.2	16.6	57.4	64.6	51.1	57.8
Prairie Brand	PB-0441R2	RR	0.4	2.2	19	29	0	34.1	15.9	57.5	71.7	50.7	61.2
Legacy Seeds	LS-0334 RR2	RR	0.3	1.5	22	29	1	34.7	15.4	57.4	61.5	52.8	57.1
Legacy Seeds	LS-0135 RR2	RR	0.1	2.2	18	35	1	33.7	16.3	57.3	60.0	54.3	57.1
Legacy Seeds	LS-0214 RR2	RR	0.2	2.0	14	31	0	34.2	15.8	57.0	62.9	52.1	57.5
Legacy Seeds	LS-00835N RR2	RR	00.8	2.3	15	30	0	35.1	15.0	56.4	53.7	49.4	51.6
Legacy Seeds	LS-0337N RRXT	Xtend	0.3	2.0	16	30	0	33.6	15.9	57.6	--	47.8	--
Legacy Seeds	LS-00834 RR2	RR	00.8	2.2	11	25	0	32.6	15.4	57.3	--	42.7	--
Dyna-Gro Seed	S006RY97	RR	00.6	2.0	9	27	0	33.7	16.1	56.9	--	42.5	--
Dyna-Gro Seed	S009RY56	RR	00.9	2.1	12	26	0	34.5	15.4	57.1	58.7	49.0	53.8
Dyna-Gro Seed	S01RY86	RR	0.1	2.4	17	30	1	33.4	16.2	57.3	--	48.3	--
Dyna-Gro Seed	S03RY36	RR	0.3	1.9	19	26	0	34.9	15.2	57.5	67.0	44.8	55.9
NorthStar Genetics	NS 0052R2	RR	00.5	1.9	11	34	1	34.0	15.9	57.1	--	47.7	--
NorthStar Genetics	NS 0072R2	RR	00.7	1.7	16	30	0	33.9	15.6	57.2	--	46.7	--
NorthStar Genetics	NS 0080R2	RR	00.6	1.6	16	28	0	34.6	15.2	57.8	57.9	53.0	55.4
NorthStar Genetics	NS 0081NR2	RR	00.8	2.1	13	30	0	35.2	15.3	57.1	51.4	55.5	53.5
NorthStar Genetics	NS 0090R2	RR	00.9	2.0	17	26	1	32.8	15.5	57.0	--	47.0	--
NorthStar Genetics	NS 0111R2	RR	0.1	1.9	10	34	1	33.8	16.5	57.2	--	47.7	--
Trial Mean				2.0	15	30	0	33.5	15.8	57.4	56.3	47.2	--
C.V.%				--	9.6	5.9	130	1.7	2.5	0.7	8.7	7.7	--
LSD 5%				0.3	2	3	NS	0.9	0.7	0.6	5.7	5.9	--
LSD 10%				0.2	2	2	NS	0.8	0.5	0.5	6.8	4.9	--

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

^b Lodging: 0 = none, 9 = lying flat on the ground.

NS = no statistical difference between varieties.

Planting Date: June 2

Tillage: Minimum Till

Planting Rate: 100,000 PLS/A

Harvest Date: October 19

Row Spacing: 15"

Previous Crop: Wheat

Soil Type: Williams Loam

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