

RR, GT & Extend Soybean Variety Trial at Minot

Company/Brand	Variety	Herbicide System	Maturity Group	IDC Rating	Maturity Date	Plant Height	Protein %	Oil %	Test Weight lbs/bu	Yield ----- bushels / acre -----				
										2016	2017	2018	2 yr	3 yr
Hefty Seed	009x7	XT	00.9	2.2	8/31	28	33.3	16.2	54.8	45.5	34.6	36.6	35.6	38.9
Hefty Seed	H03x7	XT	0.3	--	9/04	21	32.6	17.0	54.5	47.8	33.4	32.8	33.1	38.0
Hefty Seed	H008x8	XT	00.8	2.5	8/28	24	31.2	17.6	54.6	--	39.1	29.3	34.2	--
Hefty Seed	H02x7	XT	0.2	2.5	9/03	26	30.7	17.9	54.7	--	--	28.1	--	--
Hefty Seed	H02x9	XT	0.2	1.9	8/29	22	32.1	16.3	54.8	--	--	27.3	--	--
Hefty Seed	H03x8	XT	0.3	2.5	9/01	22	30.0	18.2	55.0	--	--	21.0	--	--
Proseed	30-20	RR	0.2	2.5	9/03	26	33.9	16.5	54.0	50.0	34.6	41.7	38.1	42.1
Proseed	XT 60-09	XT	00.9	2.1	8/27	25	31.4	17.0	55.1	50.7	34.1	30.7	32.4	38.5
Proseed	20-30	RR	0.3	2.7	9/03	20	27.1	18.4	54.3	51.3	33.5	25.3	29.4	36.7
Proseed	10-08	RR	00.8	1.9	8/27	26	31.7	17.3	55.0	43.1	38.1	27.5	32.8	36.2
Proseed	XT 80-20	XT	0.2	1.8	8/30	24	33.0	16.2	54.9	--	--	36.5	--	--
Proseed	XT 70-09	XT	00.9	2.4	8/27	24	30.7	17.9	54.6	--	--	31.6	--	--
Legend Seeds	LS 009X852N	XT	00.9	2.3	8/22	23	31.4	17.9	55.0	--	34.3	25.6	29.9	--
Legend Seeds	LS 01X850	XT	0.1	1.8	8/28	23	31.5	17.2	55.1	--	26.3	28.6	27.5	--
Legend Seeds	LS 03X852N	XT	0.3	1.8	8/27	22	32.0	16.7	54.8	--	--	28.6	--	--
Prairie Brand Seed	PB-00856R2	RR	00.9	2.6	9/03	28	32.9	16.5	53.7	--	33.9	35.9	34.9	--
Dairyland Seed	DSR-0225/R2Y	RR	0.2	2.3	8/28	30	31.7	18.1	54.4	51.1	38.6	33.8	36.2	41.2
Dairyland Seed	DSR-C999/R2Y	RR	00.9	2.6	9/01	25	30.3	17.6	54.5	--	40.7	30.4	35.5	--
Dairyland Seed	DSR-0397/R2Y	RR	0.3	2.2	9/04	26	29.0	18.0	54.8	--	37.2	27.9	32.5	--
Dairyland Seed	DSR-0309R	GT	0.3	2.7	9/06	26	32.5	17.3	54.3	--	--	42.4	--	--
Dairyland Seed	DSR-0200/R2Y	RR	0.2	1.8	8/28	30	32.0	17.2	54.9	--	--	32.1	--	--
Dairyland Seed	DSR-0305/R2Y	RR	0.3	2.2	9/04	24	29.3	17.7	54.8	--	--	28.1	--	--
Integra	20215	RR	0.2	2.6	9/03	28	32.9	17.0	54.5	48.3	29.4	43.8	36.6	40.5
Integra	20126	RR	0.1	2.5	9/03	26	31.3	17.6	54.1	52.6	31.4	29.5	30.4	37.8
Integra	20097	RR	00.9	2.6	8/30	26	32.6	17.3	54.5	50.4	29.8	32.9	31.4	37.7
Integra	20300	RR	0.3	2.4	9/05	23	31.7	16.7	54.6	--	--	30.3	--	--
Integra	50309N	XT	0.3	1.8	8/28	22	33.4	16.9	54.6	--	--	28.2	--	--
LG Seeds	LGS0111RX	XT	0.1	2.4	9/03	26	33.2	16.7	54.2	--	--	43.1	--	--
LG Seeds	LGS00663RX	XT	00.6	2.6	8/26	23	31.6	17.3	55.1	--	--	29.5	--	--
LG Seeds	LGS0224R2	RR	0.2	2.6	8/29	21	31.8	17.5	54.3	--	--	26.6	--	--
LG Seeds	LGS00885R2	RR	00.8	2.8	8/29	22	30.8	17.2	54.8	--	--	21.9	--	--
REA Hybrids	R00727	RR	00.7	2.2	8/27	23	32.2	17.6	54.4	45.2	41.8	27.8	34.8	38.3
REA Hybrids	RX0228	XT	0.2	1.6	9/02	26	31.3	17.2	54.6	--	34.9	26.6	30.8	--
REA Hybrids	RX0327	XT	0.3	2.2	9/03	22	31.6	17.4	54.6	--	31.7	29.5	30.6	--
REA Hybrids	RX00619	XT	00.6	2.2	8/15	23	32.2	17.1	54.2	--	--	31.9	--	--
REA Hybrids	RX00749	XT	00.7	1.9	8/21	25	30.2	17.8	54.4	--	--	26.4	--	--

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RR, GT & Extend Soybean Variety Trial at Minot Continued

Company/Brand	Variety	Herbicide System	Maturity Group	IDC Rating	Maturity Date	Plant Height	Protein %	Oil %	Test Weight	Yield -----				
										2016	2017	2018	2 yr	3 yr
Legacy Seeds	LS-00737N RR2X	XT	00.7	2.4	8/23	22	31.3	17.2	55.1	--	38.5	34.9	36.7	--
Legacy Seeds	LS-0135 RR2	RR	00.9	2.6	9/01	28	33.1	17.5	54.7	--	32.4	38.6	35.5	--
Legacy Seeds	LS-00835N RR2	RR	00.8	2.8	8/28	25	32.8	16.3	54.6	--	29.8	33.3	31.5	--
Legacy Seeds	LS-00937 RR2X	XT	00.9	2.1	8/27	23	33.2	17.2	55.1	--	31.0	26.0	28.5	--
Dyna-Gro Seed	S009XT68	XT	00.9	2.1	8/31	24	32.5	17.5	55.1	--	34.0	32.8	33.4	--
Dyna-Gro Seed	S03XT29	XT	0.3	1.8	8/31	25	30.6	17.0	54.5	--	--	30.6	--	--
Dyna-Gro Seed	S009XT49	XT	00.9	2.1	9/01	21	32.4	16.8	55.2	--	--	25.0	--	--
Norcan Seed	NOR005	GT	00.5	--	8/27	25	32.6	17.6	54.6	--	--	33.1	--	--
Norcan Seed	NOR02	GT	0.2	--	8/27	21	32.2	17.7	54.7	--	--	30.4	--	--
Norcan Seed	NOR004	GT	00.4	--	8/27	25	32.4	17.6	54.2	--	--	29.3	--	--
Norcan Seed	NOR002b	GT	00.2	--	8/16	26	31.5	17.2	54.8	--	--	25.1	--	--
Golden Harvest	GH0145X	XT	0.1	2.5	9/01	27	31.5	17.3	54.8	--	--	35.3	--	--
Golden Harvest	GH0391	RR	0.3	2.0	8/31	17	30.4	17.5	55.3	--	--	29.8	--	--
Golden Harvest	GH00866	RR	00.8	1.8	8/21	22	30.3	18.1	54.4	--	--	22.1	--	--
Peterson Farms Seed	16R01	RR	0.1	2.5	8/28	26	32.1	17.7	54.4	51.4	41.9	27.5	34.7	40.3
Peterson Farms Seed	18X008N	XT	00.8	2.5	8/25	23	31.3	17.7	54.8	--	38.8	32.3	35.5	--
Thunder Seed	3601 R2Y	RR	0.1	2.7	8/29	27	31.3	18.0	54.7	--	39.8	29.1	34.5	--
Thunder Seed	ASTRO	RR	00.8	2.3	8/26	20	29.1	17.9	54.9	--	40.5	22.2	31.4	--
Thunder Seed	SB88007N	XT	00.7	2.3	8/22	22	28.9	18.3	54.9	--	36.3	23.1	29.7	--
Thunder Seed	3503 R2Y	RR	0.3	2.0	9/04	22	33.9	16.1	55.0	--	--	31.8	--	--
Thunder Seed	39005 R2Y	RR	00.5	2.2	8/24	25	33.1	17.2	54.2	--	--	28.0	--	--
Thunder Seed	SB89006N	XT	00.6	1.8	8/21	24	30.6	17.7	54.1	--	--	25.7	--	--
NorthStar Genetics	NS 0081NR2	RR	00.8	2.7	9/03	28	32.5	17.0	54.0	55.5	34.0	38.0	36.0	42.5
NorthStar Genetics	NS 0111R2	RR	0.1	2.8	8/29	27	31.7	17.8	54.8	47.7	31.2	36.1	33.6	38.3
NorthStar Genetics	NS 60092XR2	XT	00.9	2.4	8/24	23	32.8	16.9	55.2	--	29.4	32.0	30.7	--
NorthStar Genetics	NS 0064R2	RR	00.6	2.2	8/24	25	32.9	16.8	54.7	--	--	35.3	--	--
NorthStar Genetics	NS 60264NXR2	XT	0.2	2.0	9/01	29	33.4	16.9	55.0	--	--	32.5	--	--
NDSU	ND17009GT	GT	00.9	3.1	8/27	27	34.7	16.7	56.3	42.6	27.4	36.1	31.8	35.4
NDSU	ND18008GT	GT	00.8	2.6	8/24	24.5	32.3	17.1	55.0	38.4	27.7	32.8	30.3	33.0
Trial Mean				2.4	8/29	24.0	31.7	17.3	54.7	47.2	34.3	30.5	--	--
C.V.%				14.1	6.2	7.7	4.6	3.9	0.6	7.7	11.0	12.1	--	--
LSD 5%				0.3	3	3.0	2.3	1.1	0.5	5.9	6.1	5.9	--	--
LSD 10%				0.3	2	3.0	2.0	0.9	0.4	4.9	5.1	5.0	--	--

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

Planting Date: May 21

Planting Rate: 150,000 PLS/A

Row Spacing: 15"

Harvest Date: September 18

Tillage: Minimum Till

Soil Type: Williams Loam

Previous Crop: 2015 = wheat, 2016 = barley, 2017 = corn

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