

RR, GT, Extend and Enlist Soybean Variety Trial at Minot

Company/Brand	Variety	Herbicide System	Maturity Group	IDC Rating	Maturity Date	Plant Height	Protein	Oil	Test Weight	Yield -----				
										2017	2018	2019	2 yr	3 yr
										bushels / acre -----				
REA Hybrids	RX00749	XT	00.7	1.8	6	25	32.2	15.9	56.1	--	26.4	50.1	38.3	--
REA Hybrids	RX00810	XT	00.8	2.4	6	22	33.2	16.0	56.1	--	--	46.1	--	--
REA Hybrids	RX0228	XT	0.2	1.6	15	29	33.4	15.9	56.7	34.9	26.6	44.5	35.5	35.3
REA Hybrids	RX0330	XT	0.3	1.9	18	25	32.5	15.3	56.6	--	--	50.8	--	--
LG Seeds	LGS00663RX	XT	00.6	2.1	6	24	32.7	15.5	57.3	--	29.5	46.8	38.1	--
LG Seeds	LGS00899RX	XT	00.8	2.3	14	26	32.1	16.3	56.9	--	--	47.9	--	--
LG Seeds	LGS0111RX	XT	0.1	2.6	16	28	32.2	16.2	56.2	--	43.1	52.8	48.0	--
Integra	50001 R2X	XT	00.1	2.5	16	25	33.5	15.7	56.4	--	--	52.6	--	--
Integra	20215 R2Y	RR	0.2	2.2	15	25	33.7	15.2	57.0	29.4	43.8	51.2	47.5	41.5
Integra	50309N R2X	XT	0.3	1.5	17	23	32.2	15.4	56.8	--	28.2	48.6	38.4	--
Integra	40350E3	EN	0.3	--	20	22	33.7	15.3	56.8	--	--	61.0	--	--
Proseed	XT 60-09	XT	00.9	2.2	14	23	32.3	16.3	56.9	34.1	30.7	52.7	41.7	39.2
Proseed	EL 80-093	EN	00.9	2.2	17	26	31.8	16.0	56.9	--	--	57.0	--	--
Proseed	50-10	RR	0.1	2.9	13	21	33.2	16.4	56.8	--	--	53.3	--	--
Proseed	XT 80-20	XT	0.2	1.6	14	22	32.3	15.6	56.4	--	36.5	41.9	39.2	--
Peterson Farms Seed	18X008	XT	00.8	2.3	7	25	33.0	16.0	56.9	38.8	32.3	46.5	39.4	39.2
Peterson Farms Seed	19EN008	EN	00.8	1.6	17	25	31.3	16.4	56.9	--	--	54.7	--	--
Peterson Farms Seed	20X01	XT	0.1	3.2	15	22	33.1	16.0	56.2	--	--	43.4	--	--
P3 Genetics	2002E	EN	0.2	--	17	22	32.5	15.4	56.4	--	--	47.4	--	--
NorthStar	NS 90094E3	EN	00.9	1.4	17	24	32.5	16.0	56.9	--	--	45.9	--	--
NorthStar	NS 60092XR2	XT	00.9	2.0	14	23	33.1	15.5	57.2	29.4	32.0	46.9	39.4	36.1
NorthStar	NS 90214E3	EN	0.2	2.5	17	22	32.3	15.6	55.9	--	--	46.6	--	--
Legacy Seeds	LS-00639N RR2X	XT	00.6	2.3	4	23	31.9	15.9	56.9	--	--	43.2	--	--
Legacy Seeds	LS-00930 RR2X	XT	00.9	2.6	17	21	34.0	15.7	56.1	--	--	46.9	--	--
Legacy Seeds	LS-0239N RR2X	XT	0.2	1.7	11	23	32.4	15.6	56.7	--	--	48.2	--	--
Legacy Seeds	LS-0438 RR2X	XT	0.4	2.6	18	23	32.7	16.1	56.2	--	--	50.5	--	--
Norcan	NOR004	GT	00.4	--	6	19	34.6	16.6	56.0	--	29.3	41.1	35.2	--
Norcan	NOR005	GT	00.5	--	6	21	33.7	16.7	56.8	--	33.1	44.2	38.7	--
Norcan	NOR04	GT	0.4	--	11	22	33.9	16.8	56.5	--	--	38.2	--	--
Hefty	H006x0	XT	00.6	--	3	22	31.9	16.2	56.6	--	--	41.4	--	--
Hefty	H007x7	XT	00.7	--	6	19	32.3	16.2	57.1	--	--	41.4	--	--
Hefty	H008x8	XT	00.8	--	8	29	31.7	16.2	56.7	39.1	29.3	49.3	39.3	39.2
Hefty	H009x7	XT	00.9	--	10	26	33.1	15.2	57.1	34.6	36.6	41.1	38.8	37.4
Hefty	H01E9	EN	0.1	2.2	17	22	33.5	15.4	55.8	--	--	51.9	--	--

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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				
										2017	2018	2019	2 yr	3 yr
										----- bushels / acre -----				
Hefty	H01x0	XT	0.1	2.8	15	24	33.8	15.9	56.4	--	--	52.2	--	--
Hefty	H02E0	EN	0.2	1.9	16	19	31.6	16.0	56.5	--	--	50.3	--	--
Hefty	H02x7	XT	0.2	--	17	33	32.3	16.0	56.2	--	28.1	62.3	45.2	--
Hefty	H03x7	XT	0.3	--	17	19	33.9	15.6	56.6	33.4	32.8	51.8	42.3	39.3
Hefty	H04E8	EN	0.4	--	18	23	32.8	16.2	56.8	--	--	40.6	--	--
Dairyland Seed	DSR-C999/R2y	RR	00.9	2.8	10	26	33.3	16.0	56.3	40.7	30.4	52.3	41.3	41.1
Dairyland Seed	DSR-0200/R2Y	RR	0.2	1.7	16	26	34.1	15.1	57.0	--	32.1	47.8	40.0	--
Thunder Seed	SB89006N	XT	00.6	--	7	24	31.8	16.0	56.8	--	25.7	50.7	38.2	--
Thunder Seed	SB88007N	XT	00.7	2.2	6	28	32.5	16.2	56.8	36.3	23.1	50.4	36.7	36.6
Thunder Seed	ASTRO R2Y	RR	00.8	1.8	12	30	33.6	15.3	56.9	40.5	22.2	45.6	33.9	36.1
Thunder Seed	TE79009	EN	00.9	--	17	20	33.6	15.3	56.6	--	--	48.4	--	--
Dyna-Gro	S009XT68	XT	00.9	2.3	14	28	33.2	15.0	57.3	34.0	32.8	50.3	41.5	39.0
Dyna-Gro	S03XT29	XT	0.3	1.7	16	25	32.8	15.2	57.1	--	30.6	52.9	41.7	--
NDSU	ND18008GT	GT	00.7	2.8	4	23	33.6	16.4	56.7	27.7	32.8	36.0	34.4	32.2
NDSU	ND17009GT	GT	00.9	3.1	14	25	34.0	16.4	58.3	27.4	36.1	49.6	42.8	37.7
U of M	M06R-614008GT	GT	00.8	2.6	8	21	33.0	15.7	57.2	--	--	44.3	--	--
Trial Mean				2.4	12	24	32.9	15.9	56.7	34.3	30.5	48.1	--	--
C.V.%				22.6	10.4	7.1	2.2	2.2	0.8	11.0	12.1	7.0	--	--
LSD 5%				0.4	2	3	1.2	0.6	0.7	6.1	5.9	5.5	--	--
LSD 10%				0.3	2	2	1.0	0.5	0.6	5.1	5.0	4.6	--	--

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

Planting Date: May 22

Planting Rate: 150,000 PLS/A

Row Spacing: 15"

Tillage: Minimum Till

Previous Crop: 2016 = barley, 2017 = corn, 2018 = wheat

Harvest Date: October 25

Soil Type: Williams Loam

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