

2017 Soybean Top 30 Harvest Report
 Red River Valley South [RRSO] ROTHSAY
 Ted Petersen, Traverse County, MN 56553



PREV. CROP/HERB: Sugarbeet / Roundup, Nortron, Dual Magnum
 SOIL DESCRIPTION: Antler clay loam, mod. poor drained, non-irrigated
 SOIL CONDITIONS: High P, medium K, 8.3 pH, 3.4% OM, 20.2 CEC
 TILLAGE/CULTIVATION: Conventional w/ fall till
 PEST MANAGEMENT: Lorsban, glyphosate
 APPLIED N-P-K (units): 0-0-0
 SEEDED - RATE - ROW: May 10 140,000 /A 30" Spacing
 HARVESTED - STAND: Oct 18 134,000 /A

All-Season Test
Maturity Group 0.6 - 1.4
 S2017RRSO01

Top 30 of 63
 For Gross Income (Sorted by Yield)
 Average of (3) Replications

Company/Brand	Product/Brand†	Technol.†	Mat.	SCN Resist.	Yield Bu/A	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
NK Brand	S12-R3 §	RR2Y	1.2	R	50.5	10.7	1	133.0	\$444	1
Mustang	12X928	RRX	1.2	R	48.8	10.5	1	132.5	\$429	2
Stine	09RI62 §	RR2Y	0.9	R	48.4	10.7	2	131.6	\$425	3
Stine	14RD62 §	RR2Y	1.4	R	48.0	10.6	1	131.6	\$422	4
Legacy Seeds	LS-1138NRR2X	RRX	1.1	R	47.9	10.5	3	132.1	\$421	5
Dairyland	DSR-1313/R2Y	RR2Y	1.3	R	47.1	10.2	1	133.9	\$414	6
Prairie Brand	PB-0777R2	RR2Y	0.7	R	46.9	10.7	2	134.9	\$412	7
Latham	L0838R2	RR2Y	0.8	R	46.9	10.6	2	136.7	\$412	8
Dyna-Gro	S09RY64	RR2Y	0.9	R	46.7	10.4	3	136.3	\$410	9
Latham	L0982R2	RR2Y	0.9	R	46.7	10.6	3	133.0	\$410	10
Latham	L1438R2	RR2Y	1.4	R	46.5	10.3	1	133.9	\$409	11
Renk	RS084NR2	RR2Y	0.8	R	46.4	10.6	2	132.5	\$408	12
Hefty	H11X8	RRX	1.1	R	46.0	10.6	1	136.7	\$404	13
Mustang	14X428	RRX	1.4	R	45.8	10.5	1	131.6	\$403	14
Asgrow	AG06X8 §	RRX	0.6	R	45.8	10.4	2	134.9	\$403	15
Prairie Brand	PB-0987R2	RR2Y	0.9	R	45.6	10.7	2	132.5	\$401	16
Stine	13RI32 §	RR2Y	1.3	R	45.4	10.2	1	135.3	\$399	17
Proseed	PX711N	RRX	1.1	R	45.4	10.5	1	134.4	\$399	18
NK Brand	S14-A6 §	RR2Y	1.4	R	45.3	10.7	1	133.9	\$398	19
Dyna-Gro	S11XT78	RRX	1.1	R	44.7	10.7	1	134.9	\$393	20
Prairie Brand	PB-1257R2	RR2Y	1.2	R	44.7	10.7	3	135.3	\$393	21
REA	RX0826	RRX	0.8	MR	44.5	10.6	5	136.7	\$391	22
Proseed	PX709N	RRX	0.9	R	44.3	10.5	1	133.0	\$389	23
Legacy Seeds	LS-1136NRR2X	RRX	1.1	R	43.6	10.7	1	133.0	\$383	24
Thunder	3606R2YN	RR2Y	0.6	R	43.5	10.6	1	133.0	\$382	25
Renk	RS096NR2	RR2Y	0.9	R	43.5	10.7	1	137.2	\$382	26
Asgrow	AG11X8 §	RRX	1.1	R	43.3	10.8	0	135.8	\$381	27
Asgrow	AG08X8 §	RRX	0.8	R	43.3	10.7	1	132.1	\$381	28
Latham	L1184R2X	RRX	1.1	R	43.2	10.7	2	134.9	\$380	29
Proseed	PX707N	RRX	0.7	R	42.9	10.5	4	130.7	\$377	30

Averages = **41.3** **10.7** **1** **134.0** **\$363**

LSD (0.10) = 7.9 ns 1.6

LSD (0.25) = 4.1 0.4 0.9

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C.V. = 18.1

New test site, no yield history

Yield & Income Factors: Base Moisture = 13.0% Shrink = 1.3 Drying = \$0.020 Prices = \$8.79 GMO; \$8.79 non-GMO

TEST COMMENTS: *Early in the growing season, it was evident that iron chlorosis would be severe. At harvest, some varieties did not mature properly. Some plants still had green pods, others were so malformed they had only two or three pods. Ted, our plot host, had iron chlorosis on a variety with high IDC tolerance in the field surrounding our test. Yield data is variable, high LSD and CV, due to iron chlorosis.*

† See last page for abbreviation descriptions. Results in **bold** are significantly above test average by LSD (0.10). **ns** = column values not significantly different.

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Report Date: 10/19/2017 Revised:

Footnotes and Abbreviation Descriptions

Brand Footnotes

^	G2 [®] brand seed is distributed by NuTech Seed, LLC. RPM [®] brand seed is distributed by Doebler's PA Hybrids, Inc. Supreme EX [®] brand seed is distributed by Seed Consultants, Inc. VPM [®] brand seed is distributed by AgVenture, Inc. XL [®] brand seed is distributed by Beck's Superior Hybrids. Curry [®] , G2 [®] , HPT [®] , RPM [®] , Supreme EX [®] , VPM [®] and XL [®] are registered trademarks of DuPont Pioneer.
CK	Identifies a check product included in early- and full-season tests.
GC	Grower Comparison product included by FIRST when space permits.
§	United Soybean Board sponsored entry

Soybean Technologies

BG	Balance™ GT
LL	LibertyLink [®]
None	Conventional, non-GMO
RR	Glyphosate tolerant
RR2Y	Genuity [®] Roundup Ready 2 Yield [®]
RRX	Roundup Ready 2 Xtend [®]
ST	Sulfonylurea herbicide tolerant

Soybean Cyst Nematode (SCN) Resistance Rating

S	susceptible
MR	moderate resistance
R	resistant
n/a	info unavailable

Soybean Seed Treatments*

?	information unavailable	Gr+	Great Start™ Max Plus
A2020	Alert 2020™	I	insecticide
AC	Acceleron [®] fungicide products	IL	ILeVO [®]
ACi	Acceleron [®] fungicide and insecticide products	In	Intego™ Solo
AG	ArmourGuard™	IS	Intego™ Suite
AM	ApronMaxx [®]	MAG	Maximum ArmourGuard™
ASfi	AgriShield [®] F+I	Me	Mertect [®]
AVB	Avicta [®] Complete Beans	Mg	Magnum ST™ (standard)
AVBV	Avicta [®] Complete Beans with Vibrance [®]	NCFI	N-Compass™ Plus F/I
CCB	Clariva™ Complete Beans	None	untreated
CI	Clariva™ pn	Pd	proTect D™
CMB	CruiserMaxx [®] Beans	Pdi	proTect D/I™
CMBV	CruiserMaxx [®] Beans with Vibrance [®]	PG+	Profit Guard +™
DPHB	DPH Boost [®]	PS	MAS Pro-Shield
DST	Dominance™ ST	PV	Poncho [®] /Votivo [®]
DX	Defend™ Extra	SDPI	Servo™ DPI
EcTC	Eclipse™ US Total coverage	SFI	Stine XP fungicide & insecticide
EE	Evergol™ Energy	SS	Soyshield™
EL	Elevate™ F+I	SS+	Soyshield Plus™
ELV	Elevate™ VIP (F+I+N)	SStd	SureStand™
En	Encase [®]	TE	Trius Elite™
EQV	Equity [®] VIP	TT	Turbo Treat™
Es	Escalate™	W	Warden [®] CX
F	fungicide	Wr	Warden [®] RTA
G	Gaucha [®]	YPP	YP Pro™

* Seed treatments may include unspecified plant health promoting components.