

2018 Soybean Top 30 Harvest Report

Red River Valley South [RRSO] ROLLAG

Nate Thompson, Clay County, MN 56514



Test by: Northland F.I.R.S.T., LLC, Moorhead, MN

PREV. CROP/HERB: Corn / Roundup, Realm Q, Status
 SOIL DESCRIPTION: Langhei-Barnes loam, well drained, non-irrigated
 SOIL CONDITIONS: Low P, medium K, 8.1 pH, 2.8% OM, 23.3 CEC
 TILLAGE/CULTIVATION: No-till
 PEST MANAGEMENT: Priaxor, T-Methyl, Roundup
 APPLIED N-P-K (units): 0-50-0
 SEEDED - RATE - ROW: May 19 140,000 /A 30" Spacing
 HARVESTED - STAND: Oct 22 129,400 /A

All-Season Test
Maturity Group 0.6 - 1.4
 S2018RRSO02

Top 30 of 60

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
Stine	13RI32 §	RR2Y	1.3	R	49.7	11.4	1	129.7	\$337	1
Asgrow	AG08X8 §	RRX	0.8	R	47.1	10.9	0	131.6	\$319	2
Thunder	3907R2YN	RR2Y	0.7	R	46.1	10.8	0	129.3	\$313	3
Prairie Brand	PB-1376R2	RR2Y	1.3	R	46.0	10.8	0	126.0	\$312	4
Proseed	XT71-10	RR2Y	1.1	R	45.8	11.3	0	128.3	\$311	5
Asgrow	AG11X8 §	RRX	1.1	R	44.5	10.9	0	128.8	\$302	6
Stine	09RI62 §	RR2Y	0.9	R	44.0	11.1	0	132.1	\$298	7
Latham	L0859R2X	RRX	0.8	R	43.6	10.9	1	129.3	\$296	8
Latham	L1184R2X	RRX	1.1	R	43.5	11.0	0	129.7	\$295	9
NK Brand	S06-K4X §	RRX	0.6	S	43.4	11.1	0	130.2	\$294	10
Latham	L0982R2	RR2Y	0.9	R	42.7	10.9	0	128.3	\$290	11
Latham	L0739R2X	RRX	0.7	R	42.6	11.1	0	129.7	\$289	12
Latham	L1438R2	RR2Y	1.4	R	42.5	10.9	0	128.8	\$288	13
REA	RX1428	RRX	1.4	R	42.5	11.2	0	127.9	\$288	14
Latham	L1482R2X	RRX	1.4	R	42.2	11.2	0	130.7	\$286	15
Mycogen	5N100R2 §	RR2Y	1.0	R	42.0	10.7	0	131.1	\$285	16
Dairyland	DSR-0988/R2Y	RR2Y	0.9	R	41.5	10.8	0	128.8	\$281	17
Hefty	H14X8	RRX	1.4	MR	41.4	11.6	0	130.2	\$281	18
NK Brand	S09-R8X §	RRX	0.9	R	41.4	11.4	0	131.1	\$281	19
Thunder	SB8807N	RRX	0.7	R	41.3	10.9	0	128.3	\$280	20
REA	RX1027	RRX	1.0	R	41.0	10.9	0	129.7	\$278	21
Dairyland	DSR-1313/R2Y	RR2Y	1.3	R	40.8	10.8	0	129.3	\$277	22
Dyna-Gro	S11XT78	RRX	1.1	R	40.7	11.1	0	131.1	\$276	23
Thunder	SB8909N	RRX	0.9	R	40.7	11.1	1	126.5	\$276	24
Renk	RS089NX	RRX	0.8	R	40.6	11.1	0	128.8	\$275	25
Taylor	096-2R	RR2Y	0.9	MR	40.5	11.3	0	130.2	\$275	26
Hefty	H06X8	RRX	0.6	MR	40.4	10.9	0	128.3	\$274	27
Golden Harvest	GH1024X	RRX	1.0	MR	40.3	11.7	0	129.7	\$273	28
Proseed	30-80	RR2Y	0.8	R	40.2	11.0	0	131.1	\$273	29
Proseed	XT71-40	RRX	1.4	R	40.2	11.3	0	130.2	\$273	30

Averages = 39.4 11.2 0 129.4 \$267

LSD (0.10) = 3.5 ns ns

LSD (0.25) = 1.8 ns ns

C.V. = 8.4

New test site, no yield history

Yield & Income Factors: Base Moisture = 13.0% Shrink = 1.3 Drying = \$0.020 Prices = \$6.78 GMO; \$6.78 non-GMO

TEST COMMENTS: *The test site was planted into dry conditions and the first substantial rain was 0.5 inch on June 2. This site had a dry period from mid-July to mid-August. At harvest, it was noticed that different varieties had different size characteristics; some were shorter and quite bushy, while others were tall with few branches. Nate, our plot host, said that yields in the surrounding field were close to 50 bu/ac.*

† 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: 10/23/2018 Revised:

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All-Season Test Products (60 Total)

Company/Brand	Product/Brand	Technol.	Mat.	SCN	Seed Trt	Company/Brand	Product/Brand	Technol.	Mat.	SCN	Seed Trt
Asgrow	AG08X8 §	RRX	0.8	R	AC,PV	Renk	RS058NX	RRX	0.5	R	EcTC
Asgrow	AG11X8 §	RRX	1.1	R	AC,PV	Renk	RS089NX	RRX	0.8	R	EcTC
Asgrow	AG14X8 §	RRX	1.4	R	AC,PV	Stine	09RI62 §	RR2Y	0.9	R	SF
Dairyland	DSR-0988/R2Y	RR2Y	0.9	R	CMB	Stine	13RI32 §	RR2Y	1.3	R	SF
Dairyland	DSR-1120/R2Y	RR2Y	1.1	S	CMB	Stine	14RD62 §	RR2Y	1.4	R	SF
Dairyland	DSR-1313/R2Y	RR2Y	1.3	R	CMB	Taylor	096-2R	RR2Y	0.9	MR	None
Dairyland	DSR-1475/R2Y	RR2Y	1.4	R	CMB	Thunder	3907R2YN	RR2Y	0.7	R	Ret
Dyna-Gro	S09XT39	RRX	0.9	R	EQV	Thunder	3914R2YN	RR2Y	1.4	R	Ret
Dyna-Gro	S11XT78	RRX	1.1	R	EQV	Thunder	SB8807N	RRX	0.7	R	Ret
Dyna-Gro	S14XT98	RRX	1.4	R	EQV	Thunder	SB8811N	RRX	1.1	R	Ret
Golden Harvest	GH0749X	RRX	0.7	MR	CCB,Me	Thunder	SB8814N	RRX	1.4	R	Ret
Golden Harvest	GH0992X	RRX	0.9	R	CCB,Me	Thunder	SB8906N	RRX	0.6	R	Ret
Golden Harvest	GH1024X	RRX	1.0	MR	CCB,Me	Thunder	SB8909N	RRX	0.9	R	Ret
Hefty	H06X8	RRX	0.6	MR	DST	Titan Pro	TP 11X37	RRX	1.1	MR	IL,PV
Hefty	H08X8	RRX	0.8	MR	DST	Titan Pro	TP 14X27	RRX	1.4	MR	IL,PV
Hefty	H09X9	RRX	0.9	MR	DST						
Hefty	H10X9	RRX	1.0	MR	DST						
Hefty	H11X8	RRX	1.1	MR	DST						
Hefty	H12X7	RRX	1.2	MR	DST						
Hefty	H13X7	RRX	1.3	MR	DST						
Hefty	H14X8	RRX	1.4	MR	DST						
Latham	E0638R2X	RRX	0.6	R	SS+						
Latham	L0739R2X	RRX	0.7	R	SS+						
Latham	L0859R2X	RRX	0.8	R	SS+						
Latham	L0982R2	RR2Y	0.9	R	SS+						
Latham	L1092R2X	RRX	1.0	R	SS+						
Latham	L1184R2X	RRX	1.1	R	SS+						
Latham	L1438R2	RR2Y	1.4	R	SS+						
Latham	L1482R2X	RRX	1.4	R	SS+						
Mycogen	5N078R2 §	RR2Y	0.7	R	None						
Mycogen	5N100R2 §	RR2Y	1.0	R	CCB						
Mycogen	5N131R2 §	RR2Y	1.3	R	CCB						
NK Brand	S06-K4X §	RRX	0.6	S	CCB,Me						
NK Brand	S09-R8X §	RRX	0.9	R	CCB,Me						
NK Brand	S10-H7X §	RRX	1.0	MR	CCB,Me						
Prairie Brand	PB-1376R2	RR2Y	1.3	R	CMB						
Proseed	30-80	RR2Y	0.8	R	CMB						
Proseed	XT71-10	RR2Y	1.1	R	CMB						
Proseed	XT71-40	RRX	1.4	R	CMB						
Proseed	XT80-80	RRX	0.8	R	CMB						
REA	RX0719	RRX	0.7	R	AC,PV						
REA	RX0929	RRX	0.9	R	AC,PV						
REA	RX1027	RRX	1.0	R	AC,PV						
REA	RX1428	RRX	1.4	R	AC,PV						
REA	RX1439	RRX	1.4	R	AC,PV						

Footnotes and Abbreviation Descriptions

Brand Footnotes

^	Innotech™ brand seed is distributed by Rob-See-Co, LLC. Innotech™ is a trademark of Syngenta.
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

G27	GT27™
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 not provided	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
AM	ApronMaxx®	IS	Intego™ Suite
ASfi	AgriShield® F+I	Lu	Lumisena™
AVB	Avicta® Complete Beans	Me	Mertect®
AVBV	Avicta® Complete Beans with Vibrance	None	untreated
BB	Buckeye Boost ST	Pd	proTect D™
CCB	Clariva™ Complete Beans	PG+	Profit Guard +™
CI	Clariva™ pn	PS	MAS Pro-Shield
CMB	CruiserMaxx® Beans	PV	Poncho®/Votivo®
CMBV	CruiserMaxx® Beans with Vibrance	R	Redigo™
DPHB	DPH Boost®	Ret	Revize® SB+T
DST	Dominance™ ST	Ri	Rizolex™
DX	Defend™ Extra	SF	Stine XP F
EcTC	Eclipse™ US Total coverage	SFI	Stine XP fungicide & insecticide
EE	Evergol™ Energy	SS	Soyshield™
EL	Elevate™ F+I	SS+	Soyshield Plus™
EL+	Elevate™ Plus	TE	Trius Elite™
En	Encase®	TT	Turbo Treat™
EQV	Equity® VIP	W	Warden® CX
Es	Escalate™	Wr	Warden® RTA
F	fungicide	YPP	YP Pro™
G	Gaucho®		

* Seed treatments may include unspecified plant health promoting components.