

2018 Soybean Top 30 Harvest Report
 Minnesota South Central [MNSC] WABASSO
 Leon Plaetz, Redwood County, MN 56293



PREV. CROP/HERB: Corn / TripleFlex, atrazine, Laudis, Roundup
 SOIL DESCRIPTION: Amiret, Canisteo loam, moderately drained, non-irrigated
 SOIL CONDITIONS: High P, medium K, 6.9 pH, 4.4% OM, 27.5 CEC
 TILLAGE/CULTIVATION: Conventional w/ fall till
 PEST MANAGEMENT: Flexstar, Roundup
 APPLIED N-P-K (units): 0-0-0
 SEEDED - RATE - ROW: May 31 140,000 /A 30" Spacing
 HARVESTED - STAND: Oct 24 131,100 /A

Early-Season Test
Maturity Group 1.5 - 1.8
 S2018MNSC01a

Top 30 of 42

For Gross Income (Sorted by Yield)
 Average of (2) Replications

Company/Brand	Product/Brand†	Technol.†	Mat.	SCN Resist.	Yield Bu/A	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Dyna-Gro	S18XT38	RRX	1.8	MR	61.8	6.8	1	132.3	\$510	1
Latham	L1858R2	RR2Y	1.8	R	61.5	7.1	0	131.6	\$507	2
Latham	L1748R2	RR2Y	1.7	R	60.0	7.0	0	133.0	\$495	3
NK Brand	S18-H3X	RRX	1.8	R	59.7	7.2	1	130.2	\$493	4
Hefty	H18X8	RRX	1.8	MR	59.6	7.0	0	130.2	\$492	5
Renk	RS188NX	RRX	1.8	R	59.3	6.8	0	129.5	\$489	6
Thunder	SB8818N GC	RRX	1.8	R	59.1	7.1	0	130.2	\$488	7
Federal	F195NRR2Y	RR2Y	1.9	R	58.9	7.4	0	130.2	\$486	8
Federal	F1880NR2X	RRX	1.8	R	58.4	7.0	0	130.2	\$482	9
Golden Harvest	GH1852X	RRX	1.8	R	58.0	7.3	0	130.9	\$479	10
Pioneer	P15T46R2 §	RR2Y	1.5	R	58.0	7.3	0	130.2	\$479	11
Dairyland	DSR-1526/R2Y	RR2Y	1.5	R	57.4	7.3	0	130.9	\$474	13
NK Brand	S18-G4X §	RRX	1.8	R	57.1	7.0	0	130.9	\$471	14
Pioneer	P16A35X §	RRX	1.6	R	57.1	7.2	0	131.6	\$471	15
Prairie Brand	PB-1566R2	RR2Y	1.6	R	56.9	7.3	1	130.2	\$469	16
LG Seeds	C1838RX	RRX	1.8	R	56.8	6.8	0	130.2	\$469	17
Renk	RS149NX	RRX	1.4	R	56.6	7.6	0	132.3	\$467	18
AgriGold	G1502RX GC	RRX	1.5	R	56.6	7.2	1	130.9	\$467	19
Dyna-Gro	S16XT58	RRX	1.6	R	56.3	7.2	0	131.6	\$464	20
Dairyland	DSR-1721/R2Y	RR2Y	1.7	R	56.3	7.3	0	132.3	\$464	21
Asgrow	AG17X8 GC	RRX	1.7	R	56.2	7.4	1	131.6	\$464	22
LG Seeds	LGS1575RX	RRX	1.5	R	55.8	7.1	0	133.0	\$460	23
Anderson	188RXT	RRX	1.8	MR	55.8	7.1	0	131.6	\$460	24
Anderson	159RXT	RRX	1.5	MR	55.7	8.0	0	128.8	\$460	25
Dairyland	DSR-1870/R2Y	RR2Y	1.8	R	55.2	7.2	0	131.6	\$455	26
Thunder	3914R2YN GC	RR2Y	1.4	R	55.2	7.2	1	132.3	\$455	27
Titan Pro	TP 18X97	RRX	1.8	MR	55.1	7.0	0	130.9	\$455	28
Federal	F1690NR2X	RRX	1.6	R	55.0	7.2	0	132.3	\$454	29
Latham	L1845R2X	RRX	1.8	MR	54.9	7.1	0	130.9	\$453	30
Anderson	168RXT	RRX	1.6	MR	54.3	7.3	0	130.2	\$448	31
NuTech	7198 CK	RR	1.9	R	57.4	7.2	0	133.0	\$474	12

Mark Querna

Mark Querna

mark.querna@firstseedtests.com, (507) 380-9920

Averages = **55.5** **7.3** **0** **131.1** **\$458**
 LSD (0.10) = 4.9 0.3 ns
 LSD (0.25) = 2.6 0.1 ns
 C.V. = 6.8

Prev. years avg. yield, 53.0 bu/a, 11 yrs

Yield & Income Factors: Base Moisture = 13.0% Shrink = 1.3 Drying = \$0.020 Prices = \$8.25 GMO; \$8.25 non-GMO

TEST COMMENTS: *Leon reported a rainfall total here that exceeded 60 inches from May 1st through harvest. This location yielded very well in spite of that rainfall. Aphids were not a problem (we suspect they drowned). Leon noted several fields had drowned out spots, but his yield monitor showed 100 bpa in good spots. From April snow, to late-May temps near 100, and light hail in June, this crop held up very well.*

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

Additional reports available at www.firstseedtests.com

©2018, all rights reserved by Elite Field Genetics, LLC

Report Date: 10/28/2018 Revised:

2018 Soybean Top 30 Harvest Report

Minnesota South Central [MNSC] WABASSO
Leon Plaetz, Redwood County, MN 56293



Test by: IMQ, LLC, New Richland, MN

PREV. CROP/HERB: Corn / TripleFlex, atrazine, Laudis, Roundup
SOIL DESCRIPTION: Amiret, Canisteo loam, moderately drained, non-irrigated
SOIL CONDITIONS: High P, medium K, 6.9 pH, 4.4% OM, 27.5 CEC
TILLAGE/CULTIVATION: Conventional w/ fall till
PEST MANAGEMENT: Flexstar, Roundup
APPLIED N-P-K (units): 0-0-0
SEEDED - RATE - ROW: May 31 140,000 /A 30" Spacing
HARVESTED - STAND: Oct 24 131,700 /A

Full-Season Test
Maturity Group 1.9 - 2.2
S2018MNSC01b

Top 30 of 42

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
Renk	RS207NX	RRX	2.0	R	70.1	7.4	0	132.1	\$578	1
NorthStar	NS 1911NR2	RR2Y	1.9	MR	67.9	7.3	0	132.1	\$560	2
Asgrow	AG20X7 §	RRX	2.0	R	67.0	7.0	0	131.6	\$553	3
Anderson	217RXT	RRX	2.0	MR	65.6	7.2	0	132.5	\$541	4
AgriGold	G2105RX GC	RRX	2.1	R	65.6	7.1	1	131.1	\$541	5
Stine	20RD20 §	RR2Y	2.0	R	65.5	7.5	0	132.1	\$540	6
Hefty	H20X7	RRX	2.0	MR	65.3	7.2	1	131.6	\$539	7
Renk	RS219NX	RRX	2.1	R	65.0	7.0	0	132.1	\$536	8
AgriGold	G2250RX GC	RRX	2.2	R	65.0	7.2	0	131.6	\$536	9
Dairyland	DSR-2197/R2Y	RR2Y	2.1	R	64.7	7.2	0	131.1	\$534	10
Latham	L2228R2	RR2Y	2.2	R	64.7	7.3	0	131.6	\$534	11
Stine	19RF32 §	RR2Y	1.9	R	64.4	7.3	0	132.1	\$531	12
Federal	F2190NR2X	RRX	2.1	R	64.4	7.3	0	131.6	\$531	13
Hefty	H21X9	RRX	2.1	MR	64.2	7.1	0	131.6	\$530	14
Latham	L2239R2X	RRX	2.2	R	64.0	7.1	0	132.1	\$528	15
Golden Harvest	GH2230X	RRX	2.2	R	63.8	7.0	0	131.1	\$526	16
Dairyland	DSR-1950/R2Y	RR2Y	1.9	R	63.4	7.2	1	131.1	\$523	17
Pfister	20R23	RR2Y	2.0	R	62.9	7.5	0	131.1	\$519	18
Pioneer	P19A14X GC	RRX	1.9	R	62.8	7.2	0	131.6	\$518	19
Titan Pro	TP 20X98	RRX	2.0	MR	62.7	7.1	0	132.1	\$517	20
Dyna-Gro	S21XT49	RRX	2.1	R	62.2	7.1	0	131.6	\$513	21
Hefty	H22X8	RRX	2.2	MR	62.1	7.2	0	131.6	\$512	22
Renk	RS213NR2	RR2Y	2.1	R	62.1	7.6	1	131.1	\$512	23
Golden Harvest	GH1915X	RRX	1.9	R	62.0	7.2	0	130.7	\$512	24
Asgrow	AG19X8 §	RRX	1.9	R	61.5	7.0	0	131.1	\$507	25
AgriGold	G1990RX GC	RRX	1.9	R	61.4	7.2	0	131.6	\$507	26
NK Brand	S21-W8X §	RRX	2.1	R	61.2	7.0	0	131.6	\$505	27
Federal	F2290NR2X	RRX	2.2	R	61.1	7.2	3	132.1	\$504	28
Titan Pro	TP 22X68	RRX	2.2	MR	60.9	7.1	1	132.1	\$502	29
Federal	F2280NR2X	RRX	2.2	R	60.7	7.0	0	132.5	\$501	31
NuTech	7198 CK	RR	1.9	R	60.8	7.2	0	131.6	\$502	30

Mark Querna

Mark Querna

mark.querna@firstseedtests.com, (507) 380-9920

Averages = **62.2** **7.2** **0** **131.7** **\$513**
LSD (0.10) = 3.5 0.2 0.6
LSD (0.25) = 1.8 0.1 0.3
C.V. = 5.3

Prev. years avg. yield, 53.0 bu/a, 11 yrs

Yield & Income Factors: Base Moisture = 13.0% Shrink = 1.3 Drying = \$0.020 Prices = \$8.25 GMO; \$8.25 non-GMO

TEST COMMENTS: *Leon reported a rainfall total here that exceeded 60 inches from May 1st through harvest. This location yielded very well in spite of that rainfall. Aphids were not a problem (we suspect they drowned). Leon noted several fields had drowned out spots, but his yield monitor showed 100 bpa in good spots. From April snow, to late-May temps near 100, and light hail in June, this crop held up very well.*

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

Additional reports available at www.firstseedtests.com

©2018, all rights reserved by Elite Field Genetics, LLC

Report Date: 10/28/2018 Revised:

2018 Soybean - Minnesota South Central [MNSC]

Early-Season Test Products (42 Total)

Company/Brand	Product/Brand	Technol.	Mat.	SCN	Seed Trt	Company/Brand	Product/Brand	Technol.	Mat.	SCN	Seed Trt
AgriGold	G1502RX GC	RRX	1.5	R	ASfi,IL						
AgriGold	G1710RX GC	RRX	1.7	R	ASfi,IL						
Anderson	159RXT	RRX	1.5	MR	None						
Anderson	168RXT	RRX	1.6	MR	None						
Anderson	188RXT	RRX	1.8	MR	None						
Asgrow	AG17X8 GC	RRX	1.7	R	AC,PV						
Dairyland	DSR-1526/R2Y	RR2Y	1.5	R	CMB						
Dairyland	DSR-1721/R2Y	RR2Y	1.7	R	CMB						
Dairyland	DSR-1870/R2Y	RR2Y	1.8	R	CMB						
Dyna-Gro	S16XT58	RRX	1.6	R	EQV,Ci						
Dyna-Gro	S18XT38	RRX	1.8	MR	EQV,Ci						
Dyna-Gro	SX18716XT	RRX	1.6	R	EQV,Ci						
Federal	F1690NR2X	RRX	1.6	R	None						
Federal	F1880NR2X	RRX	1.8	R	None						
Federal	F195NRR2Y	RR2Y	1.9	R	None						
Golden Harvest	GH1852X	RRX	1.8	R	CCB,Me						
Hefty	H16X8	RRX	1.6	MR	DST						
Hefty	H17X9	RRX	1.7	MR	DST						
Hefty	H18X8	RRX	1.8	MR	DST						
Latham	L1748R2	RR2Y	1.7	R	SS,IL						
Latham	L1769R2X	RRX	1.7	R	SS+						
Latham	L1845R2X	RRX	1.8	MR	SS						
Latham	L1858R2	RR2Y	1.8	R	SS+						
LG Seeds	C1838RX	RRX	1.8	R	ASfi,IL						
LG Seeds	LGS1575RX	RRX	1.5	R	ASfi,IL						
NK Brand	S18-G4X §	RRX	1.8	R	None						
NK Brand	S18-H3X	RRX	1.8	R	CCB,Me						
NorthStar	NS 61624N XR2	RRX	1.6	MR	CCB						
NuTech	7198 CK	RR	1.9	R	None						
Pioneer	P15T46R2 §	RR2Y	1.5	R	None						
Pioneer	P16A35X §	RRX	1.6	R	None						
Prairie Brand	PB-1566R2	RR2Y	1.6	R	CMB						
Proseed	XT71-40	RRX	1.4	R	CMB						
Renk	RS149NX	RRX	1.4	R	EcTC						
Renk	RS169NX	RRX	1.6	R	EcTC						
Renk	RS188NX	RRX	1.8	R	EcTC						
Thunder	3914R2YN GC	RR2Y	1.4	R	Ret						
Thunder	SB8814N GC	RRX	1.4	R	Ret						
Thunder	SB8818N GC	RRX	1.8	R	Ret						
Thunder	SB8916N GC	RRX	1.6	R	Ret						
Titan Pro	TP 16X77	RRX	1.6	MR	None						
Titan Pro	TP 18X97	RRX	1.8	MR	IL,PV						

2018 Soybean - Minnesota South Central [MNSC]

Full-Season Test Products (42 Total)

Company/Brand	Product/Brand	Technol.	Mat.	SCN	Seed Trt	Company/Brand	Product/Brand	Technol.	Mat.	SCN	Seed Trt
AgriGold	G1990RX GC	RRX	1.9	R	ASfi,IL						
AgriGold	G2105RX GC	RRX	2.1	R	ASfi,IL						
AgriGold	G2250RX GC	RRX	2.2	R	ASfi,IL						
Anderson	217RXT	RRX	2.0	MR	None						
Asgrow	AG19X8 §	RRX	1.9	R	AC,PV						
Asgrow	AG20X7 §	RRX	2.0	R	AC,PV						
Asgrow	AG21X7 §	RRX	2.1	R	AC,PV						
Dairyland	DSR-1950/R2Y	RR2Y	1.9	R	CMB						
Dairyland	DSR-2062/R2Y GC	RR	2.2	R	None						
Dairyland	DSR-2110/R2Y	RR2Y	2.1	R	CMB						
Dairyland	DSR-2197/R2Y	RR2Y	2.1	R	CMB						
Dyna-Gro	S21XT49	RRX	2.1	R	EQV,Ci						
Dyna-Gro	SX18822XP	RRX	2.2	R	EQV,Ci						
Federal	F2190NR2X	RRX	2.1	R	None						
Federal	F2280NR2X	RRX	2.2	R	None						
Federal	F2290NR2X	RRX	2.2	R	None						
Golden Harvest	GH1915X	RRX	1.9	R	CCB,Me						
Golden Harvest	GH2230X	RRX	2.2	R	CCB,Me						
Hefty	H20X7	RRX	2.0	MR	DST						
Hefty	H21X9	RRX	2.1	MR	DST						
Hefty	H22X8	RRX	2.2	MR	DST						
Latham	L2084R2	RR2Y	2.0	R	SS+						
Latham	L2228R2	RR2Y	2.2	R	SS+						
Latham	L2239R2X	RRX	2.2	R	SS+						
Latham	L2295R2X	RRX	2.2	R	SS+						
LG Seeds	LGS2007RX	RRX	2.0	R	ASfi,IL						
NK Brand	S20-J5X §	RRX	2.0	R	CCB,Me						
NK Brand	S21-W8X §	RRX	2.1	R	CCB,Me						
NorthStar	NS 1911NR2	RR2Y	1.9	MR	CCB						
NuTech	7198 CK	RR	1.9	R	None						
Pfister	20R23	RR2Y	2.0	R	CCB						
Pioneer	P19A14X GC	RRX	1.9	R	None						
Pioneer	P22T73R §	RR	2.2	R	None						
Renk	RS207NX	RRX	2.0	R	EcTC						
Renk	RS213NR2	RR2Y	2.1	R	EcTC						
Renk	RS219NX	RRX	2.1	R	EcTC						
Stine	19BA23 GC	G27	2.0	R	None						
Stine	19RF32 §	RR2Y	1.9	R	SF						
Stine	20RD20 §	RR2Y	2.0	R	SF						
Stine	21RI32 §	RR2Y	2.1	R	SF						
Titan Pro	TP 20X98	RRX	2.0	MR	IL,PV						
Titan Pro	TP 22X68	RRX	2.2	MR	None						

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.