

2018 Soybean Top 30 Harvest Report
 Minnesota South Central [MNSC] NERSTRAND
 Wheeling Grain, Kurt Schrader, Rice County, MN 55053



PREV. CROP/HERB: Corn, 2+ Yr / Harness, Status, Roundup Powermax
 SOIL DESCRIPTION: Littleton silt loam, mod. well drained, non-irrigated
 SOIL CONDITIONS: Medium P, high K, 6.1 pH, 6.3% OM, 23.3 CEC
 TILLAGE/CULTIVATION: Minimum w/ fall till
 PEST MANAGEMENT: Zidua Pro, Roundup PowerMax, Flexstar GT, Volunteer, Priaxor
 APPLIED N-P-K (units): 0-0-0
 SEEDED - RATE - ROW: May 21 140,000 /A 30" Spacing
 HARVESTED - STAND: Oct 20 134,700 /A

Early-Season Test
Maturity Group 1.5 - 1.8
 S2018MNSC04a

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
Latham	L1845R2X	RRX	1.8	MR	83.2	9.9	0	134.4	\$686	1
Hefty	H18X8	RRX	1.8	MR	80.0	9.8	0	134.9	\$660	2
Latham	L1858R2	RR2Y	1.8	R	79.7	10.3	0	135.3	\$658	3
Dairyland	DSR-1721/R2Y	RR2Y	1.7	R	78.8	10.1	0	134.4	\$650	4
Federal	F195NRR2Y	RR2Y	1.9	R	78.3	10.3	0	133.9	\$646	5
Anderson	188RXT	RRX	1.8	MR	77.6	9.7	0	134.9	\$640	6
Titan Pro	TP 18X97	RRX	1.8	MR	77.1	10.1	0	134.9	\$636	7
Thunder	SB8818N GC	RRX	1.8	R	77.0	9.9	1	135.8	\$635	8
Federal	F1690NR2X	RRX	1.6	R	76.8	9.9	0	134.4	\$634	9
Dyna-Gro	S18XT38	RRX	1.8	MR	76.4	10.0	0	134.4	\$630	10
Renk	RS149NX	RRX	1.4	R	75.9	10.0	1	135.8	\$626	11
Federal	F1880NR2X	RRX	1.8	R	75.8	10.1	0	133.9	\$625	12
LG Seeds	C1838RX	RRX	1.8	R	75.8	10.1	3	135.3	\$625	13
Thunder	SB8814N GC	RRX	1.4	R	75.0	10.0	0	135.8	\$619	14
Thunder	3914R2YN GC	RR2Y	1.4	R	74.9	10.0	1	135.3	\$618	15
Titan Pro	TP 16X77	RRX	1.6	MR	74.8	9.9	1	134.4	\$617	16
Anderson	159RXT	RRX	1.5	MR	73.8	9.9	0	134.9	\$609	17
NK Brand	S18-G4X §	RRX	1.8	R	73.7	10.3	0	134.4	\$608	18
Asgrow	AG17X8 GC	RRX	1.7	R	73.5	10.2	0	135.3	\$606	19
Dairyland	DSR-1526/R2Y	RR2Y	1.5	R	73.1	9.8	0	135.3	\$603	20
Renk	RS188NX	RRX	1.8	R	72.8	10.0	3	133.9	\$601	21
Prairie Brand	PB-1566R2	RR2Y	1.6	R	72.7	9.8	0	134.9	\$600	22
AgriGold	G1502RX GC	RRX	1.5	R	72.6	10.1	0	135.8	\$599	23
Latham	L1769R2X	RRX	1.7	R	72.5	10.1	0	135.3	\$598	24
Anderson	168RXT	RRX	1.6	MR	72.1	10.1	0	134.4	\$595	25
Pioneer	P16A35X §	RRX	1.6	R	72.0	9.6	1	134.4	\$594	26
Dairyland	DSR-1870/R2Y	RR2Y	1.8	R	72.0	9.8	1	134.4	\$594	27
Proseed	XT71-40	RRX	1.4	R	71.6	10.2	1	134.9	\$591	28
Golden Harvest	GH1852X	RRX	1.8	R	71.3	10.3	0	134.9	\$588	29
Renk	RS169NX	RRX	1.6	R	71.1	11.1	2	134.9	\$587	30
NuTech	7198 CK	RR	1.9	R	70.6	10.2	0	134.4	\$582	33

Averages = **73.4** **10.0** **1** **134.7** **\$605**
 LSD (0.10) = 4.7 0.2 1.3
 LSD (0.25) = 2.4 0.1 0.7
 C.V. = 6.0

Prev. years avg. yield, 57.2 bu/a, 1 yr

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

TEST COMMENTS: *This site had very good final stands. Located on moderately sloping, uniform soil, excess water did not stand on these plots. Mid-April snowfall and rains delayed planting. The Schrader's applied Priaxor fungicide at R3 stage. Very strong winds on September 20 did not adversely affect this site. Rains continued into October, but these beans responded 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.

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Report Date: 10/22/2018 Revised:

2018 Soybean Top 30 Harvest Report

Minnesota South Central [MNSC] NERSTRAND
 Wheeling Grain, Kurt Schrader, Rice County, MN 55053



Test by: IMQ, LLC, New Richland, MN

PREV. CROP/HERB: Corn, 2+ Yr / Harness, Status, Roundup Powermax
 SOIL DESCRIPTION: Littleton silt loam, mod. well drained, non-irrigated
 SOIL CONDITIONS: Medium P, high K, 6.1 pH, 6.3% OM, 23.3 CEC
 TILLAGE/CULTIVATION: Minimum w/ fall till
 PEST MANAGEMENT: Zidua Pro, Roundup PowerMax, Flexstar GT, Volunteer, Priaxor
 APPLIED N-P-K (units): 0-0-0
 SEEDED - RATE - ROW: May 21 140,000 /A 30" Spacing
 HARVESTED - STAND: Oct 20 134,500 /A

Full-Season Test
Maturity Group 1.9 - 2.2
 S2018MNSC04b

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
NorthStar	NS 1911NR2	RR2Y	1.9	MR	79.9	9.6	0	135.3	\$659	1
Renk	RS219NX	RRX	2.1	R	79.3	9.5	1	133.0	\$654	2
Stine	19RF32 §	RR2Y	1.9	R	78.3	9.6	0	134.4	\$646	3
Pfister	20R23	RR2Y	2.0	R	77.2	9.4	1	135.3	\$637	4
Federal	F2190NR2X	RRX	2.1	R	76.8	9.5	0	134.4	\$634	5
Dyna-Gro	S21XT49	RRX	2.1	R	76.6	9.4	0	134.4	\$632	6
Pioneer	P22T73R §	RR	2.2	R	76.4	9.3	0	135.3	\$630	7
Stine	20RD20 §	RR2Y	2.0	R	75.8	9.5	0	133.0	\$625	8
Dairyland	DSR-2197/R2Y	RR2Y	2.1	R	75.7	9.2	1	134.4	\$625	9
Dairyland	DSR-1950/R2Y	RR2Y	1.9	R	75.4	9.6	1	134.4	\$622	10
NK Brand	S21-W8X §	RRX	2.1	R	75.2	9.2	0	134.9	\$620	11
Latham	L2228R2	RR2Y	2.2	R	74.7	9.2	0	134.4	\$616	12
LG Seeds	LGS2007RX	RRX	2.0	R	74.5	9.4	0	134.4	\$615	13
Golden Harvest	GH1915X	RRX	1.9	R	74.5	9.3	1	134.4	\$615	14
Hefty	H21X9	RRX	2.1	MR	74.1	9.5	0	134.9	\$611	15
Golden Harvest	GH2230X	RRX	2.2	R	74.1	9.3	0	133.9	\$611	16
Renk	RS207NX	RRX	2.0	R	74.1	9.7	1	134.9	\$611	17
Titan Pro	TP 20X98	RRX	2.0	MR	73.8	9.6	1	134.9	\$609	18
Asgrow	AG20X7 §	RRX	2.0	R	73.7	9.4	1	135.3	\$608	19
Dairyland	DSR-2110/R2Y	RR2Y	2.1	R	73.4	9.5	1	134.4	\$606	21
Federal	F2280NR2X	RRX	2.2	R	73.3	9.6	1	133.9	\$605	22
AgriGold	G2250RX GC	RRX	2.2	R	72.8	9.5	0	135.3	\$601	23
Stine	19BA23 GC	G27	2.0	R	72.4	9.6	1	134.4	\$597	24
Stine	21RI32 §	RR2Y	2.1	R	72.3	9.3	0	133.9	\$596	25
NK Brand	S20-J5X §	RRX	2.0	R	72.3	9.3	0	134.4	\$596	26
Anderson	217RXT	RRX	2.0	MR	72.3	9.6	1	133.5	\$596	27
Latham	L2295R2X	RRX	2.2	R	72.0	9.6	0	134.9	\$594	28
AgriGold	G1990RX GC	RRX	1.9	R	71.9	9.2	1	134.9	\$593	29
Hefty	H20X7	RRX	2.0	MR	71.5	9.5	0	135.3	\$590	30
Latham	L2084R2	RR2Y	2.0	R	71.0	9.7	0	133.9	\$586	31
NuTech	7198 CK	RR	1.9	R	73.6	9.4	1	135.3	\$607	20

Mark Querna

Mark Querna

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Averages = **72.9** **9.4** **1** **134.5** **\$601**
 LSD (0.10) = 3.4 0.3 1.3
 LSD (0.25) = 1.8 0.1 0.7
 C.V. = 4.4

Prev. years avg. yield, 57.2 bu/a, 1 yr

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

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Report Date: 10/22/2018 Revised:

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.