

2017 Soybean Top 30 Harvest Report

Minnesota South [MNSO] KASSON
 Brian Herbst, Dodge County, MN 55944



Test by: IMQ, LLC, New Richland, MN

PREV. CROP/HERB: Corn / Laudis, atrazine, Staunch
 SOIL DESCRIPTION: Port Byron silt loam, mod. well drained, non-irrigated
 SOIL CONDITIONS: High P, high K, 7.3 pH, 3.3% OM, 22.9 CEC
 TILLAGE/CULTIVATION: Conventional w/ fall till
 PEST MANAGEMENT: Flexstar, Roundup
 APPLIED N-P-K (units): 0-0-0
 SEEDED - RATE - ROW: May 14 140,000 /A 30" Spacing
 HARVESTED - STAND: Oct 18 131,700 /A

Early-Season Test

Maturity Group 1.6 - 1.9

S2017MNSO07a

Top 30 of 48

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 61633NXR2	RRX	1.6	R	60.5	11.1	0	130.7	\$569	1
Anderson	168RXT	RRX	1.6	MR	60.0	11.0	0	131.1	\$564	2
Renk	RS195NR2	RR2Y	1.9	R	59.5	11.2	0	130.2	\$559	3
Titan Pro	TP-16X77	RRX	1.6	MR	58.8	10.9	0	130.2	\$553	4
Latham	L1748R2	RR2Y	1.7	R	58.7	10.6	0	132.5	\$552	5
Anderson	153R2Y	RR2Y	1.5	R	58.6	10.6	0	132.1	\$551	6
Stine	19RF32 §	RR2Y	1.9	R	58.5	10.8	0	132.5	\$550	7
NorthStar	NS 1911NR2	RR2Y	1.9	R	58.3	11.2	0	133.5	\$548	8
Federal	F195NRR2Y	RR2Y	1.9	R	58.2	11.0	0	130.7	\$547	9
Renk	RS188NX	RRX	1.8	R	58.1	11.2	0	133.5	\$546	10
Pfister	18R201	RR2Y	1.8	R	57.6	11.1	0	128.8	\$541	11
Hefty	H16X8	RRX	1.6	R	57.2	11.0	0	131.1	\$538	12
Hefty	H18X8	RRX	1.8	R	57.1	11.1	0	131.1	\$537	13
Latham	L1684R2X	RRX	1.6	R	56.9	11.0	0	130.7	\$535	14
Latham	L1858R2	RR2Y	1.8	R	56.9	11.1	0	135.3	\$535	15
Renk	RS153NR2	RR2Y	1.5	R	56.7	11.0	0	131.6	\$533	16
Dahlman	6815XN GC	RRX	1.5	R	56.6	10.8	0	130.2	\$532	17
Dyna-Gro	S17RY67	RR2Y	1.7	R	56.6	11.0	0	131.1	\$532	18
Mustang	16X628	RRX	1.6	R	56.6	11.2	0	131.6	\$532	19
Dyna-Gro	S19RY65	RR2Y	1.9	R	56.4	10.9	0	134.9	\$530	20
Prairie Brand	PB-1787R2	RR2Y	1.7	R	56.1	11.1	0	130.2	\$527	21
Anderson	188RXT	RRX	1.8	MR	55.8	11.4	0	131.1	\$525	22
Champion	18R37N	RR2Y	1.9	R	55.6	11.3	0	131.6	\$523	23
Champion	18X78N	RRX	1.8	R	55.5	11.5	0	134.9	\$522	24
Dairyland	DSR-1870/R2Y	RR2Y	1.8	R	55.3	10.8	0	130.7	\$520	25
Prairie Brand	PB-1947R2	RR2Y	1.9	R	55.0	11.1	0	131.1	\$517	26
Cornelius	CB18X80	RRX	1.8	R	54.9	11.2	0	132.5	\$516	27
LG Seeds	C1870R2	RR2Y	1.8	R	54.7	10.9	0	135.3	\$514	28
Cornelius	CB19R71	RR2Y	1.9	R	54.2	11.2	0	134.4	\$509	29
Golden Harvest	GH1915X	RRX	1.9	R	54.1	10.9	0	120.9	\$509	30
Dahlman	6820XN CK	RRX	2.0	R	44.6	11.4	0	131.6	\$419	48

Averages = **54.7** **11.0** **0** **131.7** **\$514**

LSD (0.10) = 4.8 ns ns

LSD (0.25) = 2.5 ns ns

C.V. = 8.4 Prev. years avg. yield, 57.2 bu/a, 15 yrs

Yield & Income Factors: Base Moisture = 13.0% Shrink = 1.3 Drying = \$0.020 Prices = \$9.40 GMO; \$9.40 non-GMO

TEST COMMENTS: *Planting conditions were excellent. Temps were moderate to cool most of the season, with August being one of the coolest on record. Sept temps were above normal. Rainfall was plentiful all season, without being excessive. No killing frost as of Oct 20. White mold hit hard at this site, and this shows in yields. Brian's 20" row soybeans surrounding the plot were also hit hard.*

† 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: 10/22/2017 Revised:

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PEST MANAGEMENT: Flexstar, Roundup
APPLIED N-P-K (units): 0-0-0
SEEDED - RATE - ROW: May 14 140,000 /A 30" Spacing
HARVESTED - STAND: Oct 18 131,800 /A

Full-Season Test
Maturity Group 2.0 - 2.3
S2017MNSO07b

Top 30 of 54

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
Pioneer	P22T69R §	RR	2.2	R	57.7	10.6	0	129.7	\$542	1
NK Brand	S20-J5X §	RRX	2.0	R	56.5	10.8	0	129.7	\$531	2
Golden Harvest	GH2230X	RRX	2.2	R	56.4	10.9	0	134.9	\$530	3
Latham	L2084R2	RR2Y	2.0	R	56.1	11.2	0	128.8	\$527	4
Pfister	20R23	RR2Y	2.0	R	56.1	11.3	0	132.1	\$527	5
NK Brand	S20-T6 §	RR2Y	2.0	MR	55.6	10.6	0	132.1	\$523	6
Mustang	21X127	RRX	2.1	R	55.5	10.8	0	131.1	\$522	7
Stine	21RI32 §	RR2Y	2.1	R	55.1	11.0	0	129.3	\$518	8
AgriGold	G2250RX	RRX	2.2	R	54.7	11.4	0	132.5	\$514	9
Mustang	22X228	RRX	2.2	R	54.4	10.9	0	132.1	\$511	10
NK Brand	S21-W8X §	RRX	2.1	R	54.0	10.8	0	132.5	\$508	11
Champion	22R38N	RR2Y	2.2	R	54.0	10.9	0	131.6	\$508	12
Stine	20RD20 §	RR2Y	2.0	R	53.8	11.3	0	132.1	\$506	13
Dahlman	6721XN GC	RRX	2.1	R	53.8	11.5	0	135.8	\$506	14
Hefty	H20X7	RRX	2.0	R	53.8	11.6	0	131.1	\$506	15
Latham	L2283R2X	RRX	2.2	R	53.7	10.9	0	129.3	\$505	16
AgriGold	G2355RX	RRX	2.3	R	53.4	10.6	0	132.5	\$502	17
Hefty	H22X8	RRX	2.2	R	53.3	11.0	0	133.5	\$501	18
NorthStar	NS 62323NX2	RRX	2.3	R	52.9	11.3	0	128.3	\$497	19
Pioneer	P22T73R §	RR	2.2	R	52.7	11.4	0	136.3	\$495	20
Titan Pro	TP-21X46	RRX	2.1	R	52.6	11.2	0	131.6	\$494	21
Pioneer	P19T55X §	RRX	1.9	R	52.6	11.2	0	131.6	\$494	22
Titan Pro	TP-20R25	RR2Y	2.0	R	52.2	11.0	0	133.0	\$491	23
Anderson	206R2Y	RR2Y	2.0	R	52.1	11.6	0	130.2	\$490	24
NorthStar	NS 2031NR2	RR2Y	2.0	R	51.7	11.2	0	130.7	\$486	25
Cornelius	CB22X73	RRX	2.2	R	51.5	11.4	0	133.0	\$484	26
Federal	F2170NR2X	RRX	2.1	R	51.3	11.2	0	134.4	\$482	27
NorthStar	NS 62002NXR2	RRX	2.0	R	51.0	11.2	0	132.1	\$479	28
Prairie Brand	PB-2197R2	RR2Y	2.1	R	50.8	11.3	0	130.7	\$478	29
AgriGold	G2105RX	RRX	2.1	R	50.6	11.3	0	132.5	\$476	30
Dahlman	6820XN CK	RRX	2.0	R	43.5	11.5	0	132.1	\$409	54

Averages = **51.0** **11.2** **0** **131.8** **\$480**

LSD (0.10) = 4.7 ns ns

LSD (0.25) = 2.5 ns ns

C.V. = 8.7 Prev. years avg. yield, 57.2 bu/a, 15 yrs

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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	Gaicho [®]	YPP	YP Pro™

* Seed treatments may include unspecified plant health promoting components.