2017 Soybean Top 30 Harvest Report

Minnesota South [MNSO] NEW RICHLAND Leon Schoenrock, Waseca County, MN 56072

PREV. CROP/HERB: Corn / SureStart, Roundup

SOIL DESCRIPTION: Webster clay loam, mod. well drained, non-irrigated SOIL CONDITIONS: High P, high K, 6.8 pH, 5.5% OM, 32.9 CEC

TILLAGE/CULTIVATION: Conventional w/ fall till
PEST MANAGEMENT: Flexstar, Roundup

APPLIED N-P-K (units): 0-0-0

SEEDED - RATE - ROW: May 13 140,000 /A 30" Spacing
HARVESTED - STAND: Oct 17 132,100 /A

farmers' independent research of seed technologies
Test by: IMQ, LLC, New Richland, MN

Early-Season Test Maturity Group 1.6 - 1.9

S2017MNSO08a

Top 30 of 48

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

				SCN	Yield	Moisture	Lodging	Stand	Gross Ir	ncome
Company/Brand	Product/Brand†	Technol.†	Mat.	Resist.	◆ Bu/A ◆	%	%	(x 1000)	\$/Acre	Rank
Dairyland	DSR-1950/R2Y	RR2Y	1.9	R	64.7	13.7	0	126.9	\$607	1
Golden Harvest	GH1915X	RRX	1.9	R	63.4	13.1	0	131.1	\$596	2
Prairie Brand	PB-1947R2	RR2Y	1.9	R	63.0	13.0	0	131.1	\$592	3
Anderson	153R2Y	RR2Y	1.5	R	62.7	13.3	0	129.7	\$589	4
Asgrow	AG19X8 §	RRX	1.9	R	62.5	13.2	0	131.1	\$587	5
Dyna-Gro	S19RY65	RR2Y	1.9	R	62.1	13.2	0	132.5	\$583	6
Renk	RS195NR2	RR2Y	1.9	R	61.6	13.5	0	130.2	\$578	7
Anderson	168RXT	RRX	1.6	MR	61.2	13.1	0	129.7	\$575	8
NorthStar	NS 1911NR2	RR2Y	1.9	R	61.1	13.5	0	131.1	\$574	9
Latham	L1858R2	RR2Y	1.8	R	61.0	13.4	0	133.5	\$573	10
Hefty	H16X8	RRX	1.6	R	60.9	13.0	0	131.6	\$572	11
Dahlman	6815XN GC	RRX	1.5	R	60.9	13.3	0	131.1	\$572	12
Champion	18X78N	RRX	1.8	R	60.7	13.0	0	131.6	\$571	13
Champion	18R37N	RR2Y	1.9	R	60.6	13.1	0	135.3	\$570	14
Prairie Brand	PB-1787R2	RR2Y	1.7	R	60.6	13.5	0	134.4	\$569	15
Mustang	19726	RR2Y	1.9	R	60.3	13.0	0	133.9	\$567	17
Renk	RS153NR2	RR2Y	1.5	R	60.1	13.3	0	129.7	\$565	18
AgriGold	G1850RX	RRX	1.8	R	60.1	13.5	0	128.8	\$564	19
Titan Pro	TP-16X77	RRX	1.6	MR	60.0	13.1	0	133.0	\$564	20
Asgrow	AG17X8 §	RRX	1.7	R	59.8	13.6	0	133.0	\$561	21
Stine	19RF32 §	RR2Y	1.9	R	59.5	13.3	0	134.9	\$559	22
Federal	F2080NR2X	RRX	2.0	R	59.5	13.9	0	134.9	\$558	23
Pioneer	P18T26R2 §	RR2Y	1.8	R	59.2	13.1	0	133.9	\$556	24
Federal	F195NRR2Y	RR2Y	1.9	R	58.9	13.1	0	134.9	\$554	25
Pfister	18R201	RR2Y	1.8	R	58.7	13.0	0	132.1	\$552	26
Thunder	SB8818N	RRX	1.8	R	58.5	13.3	0	135.3	\$550	27
NorthStar	NS 61903NXR2	RRX	1.9	R	58.4	13.0	0	132.1	\$549	28
Titan Pro	TP-18R24	RR2Y	1.8	R	58.4	13.4	0	133.9	\$548	29
Cornelius	CB19R71	RR2Y	1.9	R	58.4	13.4	0	134.9	\$548	30
Dyna-Gro	S17RY67	RR2Y	1.7	R	58.3	13.2	0	133.5	\$548	31
Dahlman	6820XN CK	RRX	2.0	R	60.5	13.8	0	135.3	\$568	16
Mad C) uerna _			erages = (0.10) =	59.1 ns	13.3 ns	0 ns	132.1	\$556	
Mark Querna				(0.10) =	2.1	ns	ns			
	seedtests.com, (507) 380	-9920	LJD	C.V. =	6.3	3.1		ars avo viol	d 59.3 hu	/a 15 vrs
mark.quema@iiists	5000 (307)	-9920		C.v. –	0.5	J. I	Prev. years avg. yield, 59.3 bu/a, 15 yı			

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 slightly cool most of the season, with August being one of the coolest on record. However, Sept temps were above normal. Rains were plentiful all season, without being excessive. No killing frost as of Oct 20. White mold was present here. It did not devastate yields, but is did make yield vary between replications.

† 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

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Report Date: 10/22/2017 Revised:

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HARVESTED - STAND: Oct 17 132,100 /A

farmers' independent research of seed technologies
Test by: IMQ, LLC, New Richland, MN

Full-Season Test
Maturity Group 2.0 - 2.3

S2017MNSO08b

Top 30 of 54

For Gross Income (Sorted by Yield)

Average of (3) Replications

HARVESTED - STAND.	OCL 17	132, 100 /A							c or (3) rec	
				SCN	Yield	Moisture	Lodging	Stand	Gross Ir	ncome
Company/Brand	Product/Brand	† Technol.†	Mat.	Resist.	◆ Bu/A ◆	%	%	(x 1000)	\$/Acre	Rank
NK Brand	S21-W8X §	RRX	2.1	R	63.9	13.7	0	130.7	\$600	1
Renk	RS213NR2	RR2Y	2.1	R	63.7	14.2	0	134.4	\$597	2
NK Brand	S20-J5X §	RRX	2.0	R	63.5	13.6	0	134.4	\$596	3
Golden Harvest	GH2230X	RRX	2.2	R	63.1	13.9	0	131.1	\$592	4
NK Brand	S20-T6 §	RR2Y	2.0	MR	62.8	13.7	0	132.1	\$589	5
Hefty	H22X7	RRX	2.2	R	62.6	14.0	0	131.1	\$587	6
Hefty	H22X8	RRX	2.2	R	61.0	13.9	0	128.3	\$572	7
NorthStar	NS 62002NXR2	RRX	2.0	R	61.0	14.0	0	136.3	\$572	8
Dahlman	6721XN GC	RRX	2.1	R	60.8	13.8	0	133.9	\$571	9
AgriGold	G2105RX	RRX	2.1	R	60.6	13.5	0	135.3	\$569	10
Champion	20R35N	RR2Y	2.0	R	60.3	14.3	0	132.5	\$565	11
Renk	RS228NX	RRX	2.2	R	59.9	14.3	0	130.7	\$562	12
Latham	L2283R2X	RRX	2.2	R	59.7	13.7	0	133.5	\$560	13
LG Seeds	C2201RX	RRX	2.2	R	59.7	13.7	0	134.9	\$560	14
Mustang	22X228	RRX	2.2	R	59.4	13.8	0	130.2	\$557	15
Pioneer	P22T69R §	RR	2.2	R	59.2	13.8	0	133.5	\$556	16
Pfister	20R23	RR2Y	2.0	R	59.0	13.7	0	134.9	\$554	17
Latham	L2184R2X	RRX	2.1	R	58.8	13.5	0	131.6	\$552	18
Renk	RS208NX	RRX	2.0	R	58.8	14.6	0	130.7	\$551	19
Stine	21RI32 §	RR2Y	2.1	R	58.6	13.9	0	129.3	\$550	20
Stine	20RD20 §	RR2Y	2.0	R	58.5	14.1	0	132.1	\$549	21
Titan Pro	TP-20X57	RRX	2.0	MR	58.4	14.5	0	133.5	\$547	22
Titan Pro	TP-21X46	RRX	2.1	R	57.7	14.0	0	131.6	\$541	23
AgriGold	G2250RX	RRX	2.2	R	57.6	13.6	0	131.1	\$541	24
Renk	RS207NX	RRX	2.0	R	57.4	13.9	0	132.1	\$539	25
Pioneer	P19T55X §	RRX	1.9	R	57.3	14.4	0	133.5	\$537	26
Pioneer	P22T73R §	RR	2.2	R	57.3	14.6	0	134.9	\$537	27
Prairie Brand	PB-2197R2	RR2Y	2.1	R	57.2	13.8	0	129.7	\$537	28
Champion	22R38N	RR2Y	2.2	R	57.2	13.8	0	131.6	\$537	29
Dairyland	DSR-2110/R2Y	RR2Y	2.1	R	57.1	12.9	0	132.1	\$537	30
Dahlman	6820XN CK	RRX	2.0	R	55.2	14.6	0	131.6	\$517	43
$\mathcal{M} \setminus \mathcal{O}$				erages =	57.5	13.9	0	132.1	\$539	
Mark Querna				(0.10) =	4.1	ns	ns			
Mark Querna			LSD	(0.25) =	2.2	ns	ns			
mark.querna@firsts	eedtests.com, (507) 380-9920	C.V. = 6.9			Prev. ye	ars avg. yiel	ld, 59.3 bu/	[⁄] a, 15 yr	

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

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Report Date: 10/22/2017 Revised:



2017 Soybean - Minnesota South [MNSO]

Early-Season Test Products (48 Total)

Company/Brand	Product/Brand	Technol.	Mat.	SCN	Seed Trt	Company/Brand	Product/Brand	Technol.	Mat.	SCN	Seed Trt
AgriGold	G1810RX	RRX	1.8	R	ASfi,IL	Titan Pro	TP-16X77	RRX	1.6	MR	IS,IL
AgriGold	G1850RX	RRX	1.8	R	ASfi,IL	Titan Pro	TP-18R24	RR2Y	1.8	R	IS,IL
Anderson	153R2Y	RR2Y	1.5	R	None	Titan Pro	TP-18X97	RRX	1.8	MR	IS,IL
Anderson	168RXT	RRX	1.6	MR	None						
Anderson	185R2Y	RR2Y	1.8	R	None						
Anderson	188RXT	RRX	1.8	MR	None						
Asgrow	AG17X8 §	RRX	1.7	R	ACi						
Asgrow	AG19X8 §	RRX	1.9	R	ACi						
Champion	18R37N	RR2Y	1.9	R	EL						
Champion	18X78N	RRX	1.8	R	ELV						
Cornelius	CB18X80	RRX	1.8	R	PG+						
Cornelius	CB19R71	RR2Y	1.9	R	PG+						
Dahlman	6713XN GC	RRX	1.3	R	None						
Dahlman	6815XN GC	RRX	1.5	R	None						
Dahlman	6820XN CK	RRX	2.0	R	None						
Dairyland	DSR-1870/R2Y	RR2Y	1.8	R	CMB						
Dairyland	DSR-1950/R2Y	RR2Y	1.9	R	CMB						
Dyna-Gro	S17RY67	RR2Y	1.7	R	EQV,CI						
Dyna-Gro	S19RY65	RR2Y	1.9	R	EQV,CI						
Federal	F195NRR2Y	RR2Y	1.9	R	None						
Federal	F2080NR2X	RRX	2.0	R	None						
Golden Harvest	GH1852X	RRX	1.8	R	CCB,Me						
Golden Harvest	GH1915X	RRX	1.9	R	CCB,Me						
Hefty	H16X8	RRX	1.6	R	DST						
Hefty	H18X8	RRX	1.8	R	DST						
Latham	L1684R2X	RRX	1.6	R	CCB,Me						
Latham	L1748R2	RR2Y	1.7	R	SS+						
Latham	L1845R2X	RRX	1.8	MR	SS+						
Latham	L1858R2	RR2Y	1.8	R	CCB,Me						
LG Seeds	C1870R2	RR2Y	1.8	R	ASfi,IL						
Mustang	16X628	RRX	1.6	R	F,I						
Mustang	18X128	RRX	1.8	R	F,I						
Mustang	19726	RR2Y	1.9	R	F,I						
NorthStar	NS 1911NR2	RR2Y	1.9	R	CCB						
NorthStar	NS 61633NXR2	RRX	1.6	R	CCB						
NorthStar	NS 61903NXR2	RRX	1.9	R	CCB						
Pfister	18R201	RR2Y	1.8	R	CCB				-	-	
Pioneer	P18T26R2 §	RR2Y	1.8	R	EE,G						
Prairie Brand	PB-1787R2	RR2Y	1.7	R	CMB						
Prairie Brand	PB-1947R2	RR2Y	1.9	R	CMB				-	-	
Renk	RS153NR2	RR2Y	1.5	R	EcTC						
Renk	RS188NX	RRX	1.8	R	AM,IL						
Renk	RS195NR2	RR2Y	1.9	R	EcTC				-		
Stine	19RF32 §	RR2Y	1.9	R	SFI						
Thunder	SB8818N	RRX	1.8	R	CMB						



2017 Soybean - Minnesota South [MNSO]

Full-Season Test Products (54 Total)

	- 1 · 1 · 1			0.511		· 	- · · · · ·			0.5	
Company/Brand	Product/Brand	Technol.	Mat.	SCN	Seed Trt	Company/Brand	Product/Brand	Technol.	Mat.		Seed Trt
AgriGold	G2105RX	RRX	2.1	R	ASfi,IL	Renk	RS207NX	RRX	2.0	R	EcTC
AgriGold	G2250RX	RRX	2.2	R	ASfi,IL	Renk	RS208NX	RRX	2.0	R	AM,IL
AgriGold	G2355RX	RRX	2.3	R	ASfi,IL	Renk	RS213NR2	RR2Y	2.1	R	EcTC
Anderson	206R2Y	RR2Y	2.0	R	None	Renk	RS228NX	RRX	2.2	R	AM,IL
Anderson	217RXT	RRX	2.1	R	None	Stine	20RD20 §	RR2Y	2.0	R	SFI
Asgrow	AG20X7 §	RRX	2.0	R	ACi	Stine	21RI32 §	RR2Y	2.1	R	SFI
Champion	20R35N	RR2Y	2.0	R	EL	Titan Pro	TP-20R25	RR2Y	2.0	R	IS,IL
Champion	20X98N	RRX	2.0	R	EL	Titan Pro	TP-20X57	RRX	2.0	MR	IS,IL
Champion	21X77N	RRX	2.1	R	EL	Titan Pro	TP-21X46	RRX	2.1	R	IS,IL
Champion	22R38N	RR2Y	2.2	R	EL						
Cornelius	CB20X56	RRX	2.0	R	PG+						
Cornelius	CB22X73	RRX	2.2	R	PG+						
Dahlman	6721XN GC	RRX	2.1	R	None						
Dahlman	6820XN CK	RRX	2.0	R	None						
Dairyland	DSR-2110/R2Y	RR2Y	2.1	R	CMB						
Dairyland	DSR-2330/R2Y	RR2Y	2.3	R	CMB						
Dyna-Gro	S20XT48	RRX	2.0	R	EQV,CI						
Dyna-Gro	S21XT77	RRX	2.1	R	EQV,CI						
Federal	F2170NR2X	RRX	2.1	R	None						
Federal	F2280NR2X	RRX	2.2	R	None						
Golden Harvest	GH2230X	RRX	2.2	R	CCB,Me						
Hefty	H20X7	RRX	2.0	R	DST						
Hefty	H22X7	RRX	2.2	R	DST						
Hefty	H22X8	RRX	2.2	R	DST						
Latham	L2084R2	RR2Y	2.0	R	CCB,Me						
Latham	L2184R2X	RRX	2.1	R	CCB,Me						
Latham	L2187EXGT	BG	2.1	R	SS+						
Latham	L2283R2X	RRX	2.2	R	SS+						
LG Seeds	C2201RX	RRX	2.2	R	ASfi,IL						
LG Seeds	C2255R2	RR2Y	2.2	R	ASfi,IL						
Mustang	21X127	RRX	2.1	R	F,I						
Mustang	22X228	RRX	2.2	R	F,I						
NK Brand	S20-J5X §	RRX	2.0	R	CCB,Me						
NK Brand	S20-T6 §	RR2Y	2.0		CCB,Me						
NK Brand	S21-W8X §	RRX	2.1		CCB,Me						
NorthStar	NS 2031NR2	RR2Y	2.0	R	CCB						
NorthStar	NS 62002NXR2	RRX	2.0	R	CCB						
NorthStar	NS 62323NX2	RRX	2.3	R	CCB						
Pfister	20R23	RR2Y	2.0	R	CCB						
Pfister	21R205	RR2Y	2.1	R	ССВ						
Pioneer	P19T55X §	RRX	1.9	R	EE,G						
	P22T69R §	RR	2.2	R	None						
Pioneer											
Pioneer Proirie Prond	P22T73R §	RR	2.2	R	EE,G						
Prairie Brand	PB-2197R2	RR2Y	2.1	R	CMB						
Prairie Brand	PB-2228R2	RR2Y	2.2	R	CMB	I I					



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. VPMaxx® brand seed is distributed by AgVenture, Inc. XL® brand
	seed is distributed by Beck's Superior Hybrids. Curry [®] , G2 [®] , HPT [®] , RPM [®] , Supreme EX [®] , VPMaxx [®] 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.
ξ	United Sovbean 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
Cl	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	Gaucho [®]	YPP	YP Pro™

^{*} Seed treatments may include unspecified plant health promoting components.