

2017 Soybean Top 30 Harvest Report
 Minnesota South Central [MNSC] NERSTRAND
 Wheeling Grain, Kurt Shrader, Rice County, MN 55053



PREV. CROP/HERB: Corn / Halex, Status
 SOIL DESCRIPTION: Klinger, Maxfield clay loam, mod. well drained, non-irrigated
 SOIL CONDITIONS: High P, high K, 6.4 pH, 4.2% OM
 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 23 128,900 /A

Early-Season Test
Maturity Group 1.5 - 1.8
 S2017MNSC01a

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	RS168NX	RRX	1.6	R	63.4	12.6	0	129.7	\$596	1
Federal	F195NRR2Y	RR2Y	1.9	R	62.5	12.4	0	127.9	\$588	2
Latham	L1684R2X	RRX	1.6	R	61.3	12.4	0	126.9	\$576	3
NorthStar	NS 1661NR2	RR2Y	1.6	R	61.3	12.6	0	129.7	\$576	4
Mustang	16X628	RRX	1.6	R	61.0	12.6	0	128.3	\$573	5
Stine	14RD62 §	RR2Y	1.4	R	60.4	12.6	0	129.3	\$568	6
Hefty	H16X8	RRX	1.6	R	60.4	12.8	0	130.2	\$568	7
Latham	L1858R2	RR2Y	1.8	R	60.3	12.2	0	127.9	\$567	8
LG Seeds	C1870R2	RR2Y	1.8	R	60.1	12.4	0	127.9	\$565	9
Proseed	PX716N	RRX	1.6	R	60.1	12.6	0	128.3	\$565	10
Dahlman	6815XN GC	RRX	1.5	R	59.9	12.3	0	131.6	\$563	11
Anderson	168RXT	RRX	1.6	MR	59.4	12.6	0	127.4	\$558	12
NorthStar	NS 61633NXR2	RRX	1.6	R	59.0	12.7	0	130.7	\$555	13
Pfister	18R201	RR2Y	1.8	R	58.2	12.1	0	128.3	\$547	15
Anderson	153R2Y	RR2Y	1.5	R	58.2	12.6	0	127.9	\$547	16
Dairyland	DSR-1721/R2Y	RR2Y	1.7	R	58.1	12.3	0	130.7	\$546	17
Dahlman	6713XN GC	RRX	1.3	R	58.1	12.5	0	129.7	\$546	18
Titan Pro	TP-16X77	RRX	1.6	MR	58.1	12.6	0	126.9	\$546	19
Titan Pro	TP-18R24	RR2Y	1.8	R	57.4	12.4	0	130.2	\$540	20
Dyna-Gro	S17RY67	RR2Y	1.7	R	57.1	12.1	0	129.3	\$537	21
Prairie Brand	PB-1787R2	RR2Y	1.7	R	57.1	12.6	0	128.8	\$537	22
Dairyland	DSR-1526/R2Y	RR2Y	1.5	R	56.7	12.4	0	128.3	\$533	23
Latham	L1748R2	RR2Y	1.7	R	56.7	12.4	0	128.3	\$533	24
Pioneer	P18T26R2 §	RR2Y	1.8	R	56.4	12.3	0	126.0	\$530	25
Dairyland	DSR-1870/R2Y	RR2Y	1.8	R	56.4	12.3	0	128.3	\$530	26
NorthStar	NS 1528NR2	RR2Y	1.5	R	56.3	12.5	0	130.2	\$529	27
Dyna-Gro	S16XT58	RRX	1.6	R	56.3	12.6	0	127.4	\$529	28
Anderson	185R2Y	RR2Y	1.8	R	56.2	12.5	0	131.1	\$528	29
Proseed	PX714N	RRX	1.4	R	55.8	12.7	0	126.9	\$525	30
Dyna-Gro	S18XT38	RRX	1.8	MR	55.6	12.3	0	130.2	\$523	31
Dahlman	6818XN CK	RRX	1.8	R	58.4	12.2	0	129.3	\$549	14

Averages = **57.2** **12.5** **0** **128.9** **\$538**
 LSD (0.10) = 2.9 ns ns
 LSD (0.25) = 1.5 ns ns
 C.V. = 4.9

New test site, no yield history

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

TEST COMMENTS: *This site looked great at harvest. The cool growing season and ample rain allowed tall plants to develop, and pods filled fully without a killing frost in southern MN as of harvest. White mold was not visible at this site. The Shraders reported the field surrounding the plot averaged 62 bpa.*

† 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: 10/25/2017 Revised:

2017 Soybean Top 30 Harvest Report

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



Test by: IMQ, LLC, New Richland, MN

PREV. CROP/HERB: Corn / Halex, Status
 SOIL DESCRIPTION: Klinger, Maxfield clay loam, mod. well drained, non-irrigated
 SOIL CONDITIONS: High P, high K, 6.4 pH, 4.2% OM
 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 23 128,700 /A

Full-Season Test
Maturity Group 1.9 - 2.2
 S2017MNSC01b

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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
Prairie Brand	PB-1947R2	RR2Y	1.9	R	63.3	12.3	0	129.7	\$595	1
Dairyland	DSR-1950/R2Y	RR2Y	1.9	R	62.0	11.9	0	127.4	\$583	2
Renk	RS195NR2	RR2Y	1.9	R	61.5	12.1	0	129.7	\$578	3
NK Brand	S20-J5X §	RRX	2.0	R	61.5	12.5	0	128.3	\$578	4
Federal	F2280NR2X	RRX	2.2	R	61.4	12.4	0	128.3	\$577	5
Anderson	217RXT	RRX	2.1	R	60.6	12.4	0	127.9	\$570	6
NorthStar	NS 62002NXR2	RRX	2.0	R	60.3	12.4	0	128.3	\$567	7
Hefty	H22X8	RRX	2.2	R	59.9	12.5	0	131.6	\$563	8
NK Brand	S21-W8X §	RRX	2.1	R	59.8	12.2	0	128.3	\$562	9
Latham	L2228R2	RR2Y	2.2	R	59.6	12.8	0	129.7	\$560	10
Dahlman	6721XN GC	RRX	2.1	R	59.5	12.0	0	126.5	\$559	11
Pfister	20R23	RR2Y	2.0	R	59.4	12.4	0	130.2	\$558	12
LG Seeds	C2201RX	RRX	2.2	R	59.0	12.0	0	128.8	\$555	13
Latham	L2184R2X	RRX	2.1	R	59.0	12.2	0	128.8	\$555	14
Federal	F2170NR2X	RRX	2.1	R	58.7	11.7	0	127.4	\$552	15
NorthStar	NS 1911NR2	RR2Y	1.9	R	58.7	12.0	0	128.3	\$552	16
NK Brand	S20-T6 §	RR2Y	2.0	MR	58.4	11.9	0	130.7	\$549	17
Asgrow	AG20X7 §	RRX	2.0	R	58.2	12.6	0	128.8	\$547	18
Dyna-Gro	S19RY65	RR2Y	1.9	R	58.1	12.1	0	129.3	\$546	19
Asgrow	AG19X8 §	RRX	1.9	R	58.0	12.1	0	127.9	\$545	20
Mustang	19726	RR2Y	1.9	R	57.9	12.4	0	130.2	\$544	21
Prairie Brand	PB-2228R2	RR2Y	2.2	R	57.7	12.8	0	130.2	\$542	22
Stine	19RF32 §	RR2Y	1.9	R	57.5	12.4	0	128.8	\$541	23
Latham	L2084R2	RR2Y	2.0	R	57.4	12.0	0	129.3	\$540	24
Hefty	H20X7	RRX	2.0	R	57.4	12.1	0	129.3	\$540	25
Pfister	21R205	RR2Y	2.1	R	57.4	12.2	0	126.0	\$540	26
Renk	RS213NR2	RR2Y	2.1	R	57.3	12.1	0	127.9	\$539	27
Stine	20RD20 §	RR2Y	2.0	R	57.2	12.0	0	129.3	\$538	28
Latham	L2283R2X	RRX	2.2	R	56.8	12.0	0	129.7	\$534	29
Dyna-Gro	S21XT77	RRX	2.1	R	56.7	12.1	0	127.9	\$533	30
Dahlman	6818XN CK	RRX	1.8	R	55.6	12.1	0	128.8	\$523	36

Averages = **57.2** **12.3** **0** **128.7** **\$538**

LSD (0.10) = 4.6 ns ns

LSD (0.25) = 2.4 ns ns

C.V. = 7.6

New test site, no yield history

Mark Querna

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

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

TEST COMMENTS: *This site looked great at harvest. The cool growing season and ample rain allowed tall plants to develop, and pods filled fully without a killing frost in southern MN as of harvest. White mold was not visible at this site. The Shraders reported the field surrounding the plot averaged 62 bpa.*

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Report Date: 10/25/2017 Revised:

2017 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
Anderson	153R2Y	RR2Y	1.5	R	None						
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						
Dahlman	6713XN GC	RRX	1.3	R	None						
Dahlman	6815XN GC	RRX	1.5	R	None						
Dahlman	6818XN CK	RRX	1.8	R	None						
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	S17RY67	RR2Y	1.7	R	EQV,Ci						
Dyna-Gro	S18XT38	RRX	1.8	MR	EQV,Ci						
Federal	F1880NR2X	RRX	1.8	R	None						
Federal	F195NRR2Y	RR2Y	1.9	R	None						
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						
NorthStar	NS 1528NR2	RR2Y	1.5	R	CCB						
NorthStar	NS 1661NR2	RR2Y	1.6	R	CCB						
NorthStar	NS 61633NXR2	RRX	1.6	R	CCB						
Pfister	18R201	RR2Y	1.8	R	CCB						
Pioneer	P15T83R §	RR	1.5	R	EE,G						
Pioneer	P18T26R2 §	RR2Y	1.8	R	EE,G						
Prairie Brand	PB-1787R2	RR2Y	1.7	R	CMB						
Proseed	PX714N	RRX	1.4	R	CMB						
Proseed	PX716N	RRX	1.6	R	CMB						
Proseed	PX718N	RRX	1.8	R	CMB						
Renk	RS168NX	RRX	1.6	R	AM,IL						
Renk	RS188NX	RRX	1.8	R	AM,IL						
Stine	14RD62 §	RR2Y	1.4	R	SFI						
Thunder	SB8818N	RRX	1.8	R	CMB						
Titan Pro	TP-16X77	RRX	1.6	MR	IS,IL						
Titan Pro	TP-18R24	RR2Y	1.8	R	IS,IL						
Titan Pro	TP-18X97	RRX	1.8	MR	IS,IL						

2017 Soybean - Minnesota South Central [MNSC]

Full-Season Test Products (48 Total)

Company/Brand	Product/Brand	Technol.	Mat.	SCN	Seed Trt	Company/Brand	Product/Brand	Technol.	Mat.	SCN	Seed Trt
Anderson	206R2Y	RR2Y	2.0	R	None	Titan Pro	TP-20R25	RR2Y	2.0	R	IS,IL
Anderson	217RXT	RRX	2.1	R	None	Titan Pro	TP-20X57	RRX	2.0	MR	IS,IL
Asgrow	AG19X8 §	RRX	1.9	R	ACi	Titan Pro	TP-21X46	RRX	2.1	R	IS,IL
Asgrow	AG20X7 §	RRX	2.0	R	ACi						
Dahlman	6721XN GC	RRX	2.1	R	None						
Dahlman	6818XN CK	RRX	1.8	R	None						
Dahlman	6820XN GC	RRX	2.0	R	None						
Dairyland	DSR-1950/R2Y	RR2Y	1.9	R	CMB						
Dairyland	DSR-2110/R2Y	RR2Y	2.1	R	CMB						
Dyna-Gro	S19RY65	RR2Y	1.9	R	EQV,Ci						
Dyna-Gro	S20XT48	RRX	2.0	R	EQV,Ci						
Dyna-Gro	S21XT77	RRX	2.1	R	EQV,Ci						
Federal	F2080NR2X	RRX	2.0	R	None						
Federal	F2170NR2X	RRX	2.1	R	None						
Federal	F2280NR2X	RRX	2.2	R	None						
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	L2228R2	RR2Y	2.2	R	CCB,Me						
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	19726	RR2Y	1.9	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	MR	CCB,Me						
NK Brand	S21-W8X §	RRX	2.1	R	CCB,Me						
NorthStar	NS 1911NR2	RR2Y	1.9	R	CCB						
NorthStar	NS 61903NXR2	RRX	1.9	R	CCB						
NorthStar	NS 62002NXR2	RRX	2.0	R	CCB						
Pfister	20R23	RR2Y	2.0	R	CCB						
Pfister	21R205	RR2Y	2.1	R	CCB						
Pioneer	P22T73R §	RR	2.2	R	EE,G						
Prairie Brand	PB-1947R2	RR2Y	1.9	R	CMB						
Prairie Brand	PB-2197R2	RR2Y	2.1	R	CMB						
Prairie Brand	PB-2228R2	RR2Y	2.2	R	CMB						
Proseed	PX720N	RRX	2.0	R	CMB						
Renk	RS195NR2	RR2Y	1.9	R	EcTC						
Renk	RS207NX	RRX	2.0	R	EcTC						
Renk	RS208NX	RRX	2.0	R	AM,IL						
Renk	RS213NR2	RR2Y	2.1	R	EcTC						
Stine	19RF32 §	RR2Y	1.9	R	SFI						
Stine	20RD20 §	RR2Y	2.0	R	SFI						

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	Gaucha [®]	YPP	YP Pro [™]

* Seed treatments may include unspecified plant health promoting components.