

2017 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 / Harness, Roundup
SOIL DESCRIPTION: Webster, Canisteo loam, mod. well drained, non-irrigated
SOIL CONDITIONS: High P, high K, 6.3 pH, 5.3% OM
TILLAGE/CULTIVATION: Conventional w/ fall till
PEST MANAGEMENT: Flexstar, Roundup
APPLIED N-P-K (units): 0-0-0
SEEDED - RATE - ROW: May 15 140,000 /A 30" Spacing
HARVESTED - STAND: Oct 21 128,400 /A

Early-Season Test
Maturity Group 1.5 - 1.8
S2017MNSC02a

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 1661NR2	RR2Y	1.6	R	54.1	8.6	0	127.4	\$509	1
Dyna-Gro	S17RY67	RR2Y	1.7	R	53.7	12.1	0	126.9	\$505	2
Anderson	153R2Y	RR2Y	1.5	R	53.5	12.3	0	131.1	\$503	3
Dyna-Gro	S16XT58	RRX	1.6	R	53.0	11.9	0	128.3	\$498	4
LG Seeds	C1870R2	RR2Y	1.8	R	52.9	11.8	0	128.3	\$497	5
Titan Pro	TP-18X97	RRX	1.8	MR	52.6	11.9	0	131.1	\$494	6
Prairie Brand	PB-1787R2	RR2Y	1.7	R	52.0	11.9	0	129.3	\$489	7
Titan Pro	TP-16X77	RRX	1.6	MR	51.8	11.9	0	127.9	\$487	8
Latham	L1748R2	RR2Y	1.7	R	51.5	12.1	0	129.7	\$484	9
Renk	RS168NX	RRX	1.6	R	50.7	12.2	0	125.5	\$477	10
Proseed	PX714N	RRX	1.4	R	50.7	12.5	0	127.4	\$477	11
Dairyland	DSR-1870/R2Y	RR2Y	1.8	R	50.6	11.9	0	127.4	\$476	12
Federal	F195NRR2Y	RR2Y	1.9	R	50.2	11.5	0	127.4	\$472	13
Hefty	H18X8	RRX	1.8	R	50.1	11.8	0	127.9	\$471	14
Latham	L1684R2X	RRX	1.6	R	50.1	12.2	0	129.7	\$471	15
Mustang	16X628	RRX	1.6	R	49.5	12.3	0	128.3	\$465	17
Latham	L1858R2	RR2Y	1.8	R	49.2	11.3	0	129.7	\$462	18
Dairyland	DSR-1526/R2Y	RR2Y	1.5	R	49.2	12.1	0	125.1	\$462	19
Federal	F1880NR2X	RRX	1.8	R	48.8	12.4	0	131.1	\$459	20
Dyna-Gro	S18XT38	RRX	1.8	MR	48.4	12.2	0	128.8	\$455	21
Titan Pro	TP-18R24	RR2Y	1.8	R	48.1	11.6	0	126.5	\$452	22
Hefty	H16X8	RRX	1.6	R	48.1	12.2	0	129.7	\$452	23
Asgrow	AG17X8 §	RRX	1.7	R	48.1	12.3	0	128.3	\$452	24
Anderson	185R2Y	RR2Y	1.8	R	47.8	11.8	0	127.9	\$449	25
NorthStar	NS 1528NR2	RR2Y	1.5	R	47.8	12.2	0	130.2	\$449	26
Proseed	PX716N	RRX	1.6	R	47.6	12.4	0	126.9	\$447	27
Mustang	18X128	RRX	1.8	R	47.0	11.9	0	127.9	\$442	28
Dairyland	DSR-1721/R2Y	RR2Y	1.7	R	46.7	12.3	0	132.1	\$439	29
Anderson	168RXT	RRX	1.6	MR	46.3	12.2	0	129.7	\$435	30
Dahlman	6713XN GC	RRX	1.3	R	46.2	12.0	0	131.6	\$434	31
Dahlman	6818XN CK	RRX	1.8	R	50.1	12.3	0	131.6	\$471	16

Averages = **48.5** **12.0** **0** **128.4** **\$456**

LSD (0.10) = ns ns ns

LSD (0.25) = 2.7 ns ns

C.V. = 10.2 Prev. years avg. yield, 52.3 bu/a, 10 yrs

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

TEST COMMENTS: *The growing season saw moderate temperatures and more rainfall than needed. Plants were shorter here than at most sites in southern MN. The heavy soils and plentiful moisture kept yields from topping out, in spite of a long growing season that still has not suffered a killing frost. The full-season test results were rejected due to yield variability which invalidated the use of LSD mean separation.*

† 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: 10/26/2017 Revised:

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 APPLIED N-P-K (units): 0-0-0
 SEEDED - RATE - ROW: May 15 140,000 /A 30" Spacing
 HARVESTED - STAND: Oct 21 127,500 /A

Full-Season Test
Maturity Group 1.9 - 2.2
 S2017MNSC02b

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
Thorn Pro	19-20846	RR3	2.1	R	52.3	11.7	0	128.1	\$458	1
Dura-Gro	520740	RR2V	1.9	R	52.2	12.0	0	128.3	\$455	2
Rank	832070	RR3	2.0	R	52.9	11.7	0	127.4	\$457	3
Northstar	NS-420200R2	RR3	2.0	R	52.5	11.8	0	122.7	\$453	4
Beltinger	87200-9C	RR3	2.1	R	52.4	11.9	0	124.6	\$452	5
LS Seeds	C210R2	RR2V	2.2	R	52.9	12.1	0	128.3	\$457	6
Anderson	2082V	RR2V	2.0	R	52.9	11.9	0	128.3	\$457	7
Thorn Pro	19-20825	RR2V	2.0	R	52.7	12.1	0	128.1	\$455	8
Thorn Pro	19-20837	RR3	2.0	RR	52.9	12.1	0	128.9	\$459	9
Farm Brand	FB-21070	RR2V	2.1	R	52.9	12.1	0	128.3	\$459	10
Northstar	NS-12010R2	RR2V	1.9	R	51.7	11.9	0	128.3	\$459	11
Rank	832100R2	RR2V	2.1	R	51.1	12.1	0	127.4	\$459	12
Northstar	NS-420200R2	RR3	1.9	R	52.9	11.9	0	128.3	\$479	13
Latham	L200R2	RR2	2.2	R	52.9	12.2	0	127.4	\$479	14
Anderson	217817	RR3	2.1	R	52.9	11.4	0	133.7	\$479	15
Latham	L200R2K	RR3	2.1	R	52.9	11.8	0	128.3	\$479	16
Latham	L200R2	RR2	2.1	R	52.7	11.8	0	128.3	\$477	17
Agrow	AG2007 S	RR3	2.1	R	52.4	11.8	0	128.8	\$474	18
Oliva	2002	RR2V	2.1	R	52.4	12.0	0	124.1	\$474	19
Dura-Gro	5211V	RR3	2.0	R	49.8	11.7	0	128.9	\$469	20
MR Brand	520-76 S	RR3	2.0	RR	49.5	12.1	0	128.3	\$465	21
Farm Brand	FB-2200R2	RR3	2.2	R	49.2	11.7	0	128.8	\$462	22
Flora	21020	RR2V	2.1	R	49.1	12.2	0	128.8	\$462	23
MR Brand	520-20	RR3	2.0	R	49.7	11.9	0	131.1	\$459	24
Farm	F21700 S	RR3	2.2	R	49.7	12.2	0	128.3	\$459	25
Wells	W2007	RR3	2.0	R	49.5	11.9	0	127.4	\$459	26
Mustang	1070	RR2V	1.9	R	49.4	11.9	0	128.3	\$459	27
Agrow	AG1000 S	RR3	1.9	R	49.9	11.7	0	128.3	\$451	28
Standard	520-2000R2V	RR2V	1.9	R	47.7	11.9	0	124.1	\$449	29
Farm Brand	FB-10470	RR2V	1.9	R	47.9	11.7	0	128.9	\$447	30
Rank	832100	RR3	2.1	R	47.9	12.2	0	127.4	\$447	31

DATA REJECTED

Mark Querna

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

Averages =	48.7	11.9	0	127.5	\$458
LSD (0.10) =	ns	0.3	ns		
LSD (0.25) =	ns	0.2	ns		
C.V. =	11.7				Prev. years avg. yield, 52.3 bu/a, 10 yrs

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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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.