

2018 Soybean Top 30 Harvest Report
 Minnesota South Central [MNSC] CANNON FALLS
 Jeff Beckman, Goodhue County, MN 55018



PREV. CROP/HERB: Sweet Corn, Rye / Resicore, Roundup
 SOIL DESCRIPTION: Marquis, Maxfield silt loam, mod. well drained, non-irrigated
 SOIL CONDITIONS: Medium P, very low K, 7.2 pH, 4.4% OM, 17.5 CEC
 TILLAGE/CULTIVATION: No-till
 PEST MANAGEMENT: glyphosate applied twice
 APPLIED N-P-K (units): 0-0-0
 SEEDED - RATE - ROW: Jun 6 140,000 /A 30" Spacing
 HARVESTED - STAND: Oct 21 133,000 /A

Early-Season Test
Maturity Group 1.5 - 1.8
 S2018MNSC03a

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
LG Seeds	C18880	RR	1.8	R	54.3	15.1	3	133.9	\$448	2
True Pot	TP 18187	RR	1.8	RR	54.2	13.2	2	133.6	\$447	3
Thunder	588186 GC	RR	1.8	R	54.0	13.8	1	133.5	\$445	4
Dyna-Gro	518178	RR	1.8	RR	52.6	15.7	1	133.9	\$431	5
AgriGold	014329 GC	RR	1.5	R	51.3	17.1	1	133.0	\$423	6
Thunder	588146 GC	RR	1.4	R	50.1	17.1	1	134.4	\$413	7
Latham	L17492H	RR2Y	1.8	RR	50.0	14.1	2	133.5	\$412	8
Mt Brand	518431	RR	1.8	R	49.6	17.1	3	133.1	\$409	9
Ross	821880	RR	1.8	R	49.7	17.4	1	133.1	\$391	10
Latham	L17492	RR2Y	1.7	R	49.5	12.3	1	133.5	\$384	11
Federal	F188492H	RR	1.8	R	49.7	17.1	1	132.5	\$377	12
Proseed	P187492 G	RR2Y	1.5	R	49.6	17.1	1	133.0	\$376	13
Federal	F188492Y	RR2Y	1.8	R	49.5	17.7	0	133.9	\$367	14
Anderson	18817	RR	1.8	RR	49.5	17.3	2	133.5	\$364	15
Dorland	D98172182Y	RR	1.8	R	49.5	12.9	0	133.9	\$365	16
True Pot	TP 18177	RR	1.8	R	49.5	16.4	0	133.0	\$363	17
Federal	F188492H	RR	1.8	R	43.8	17.6	1	133.5	\$357	18
Proseed	377148	RR	1.8	R	43.7	16.6	0	133.5	\$361	19
Latham	L17492	RR2Y	1.8	R	43.7	17.5	1	133.5	\$357	20
Anderson	18817	RR	1.8	RR	43.6	12.0	0	133.5	\$360	21
Holly	H1759	RR	1.8	RR	43.2	14.0	2	132.1	\$356	22
Dorland	D98182182Y	RR	1.8	R	43.0	15.5	2	133.0	\$353	23
Proseed	P818892	RR	1.8	R	42.4	12.2	2	132.1	\$350	24
LG Seeds	L28117	RR	1.5	R	42.0	12.5	2	132.5	\$347	25
Golden Harvest	G18152	RR	1.8	R	41.9	17.5	1	133.5	\$342	26
Mt Brand	518441	RR	1.8	R	41.7	14.0	1	133.5	\$343	27
Holly	H1759	RR	1.7	RR	40.9	16.2	1	132.5	\$335	28
NorthStar	NS 61824182	RR	1.8	RR	39.9	12.1	1	133.5	\$329	29
AgriGold	AG1718 GC	RR	1.7	R	39.6	12.3	1	133.0	\$327	30
Dyna-Gro	518178	RR	1.8	R	39.0	16.6	0	133.0	\$322	31
NuTech	7198 CK	RR	1.9	R	35.2	22.8	0	133.9	\$284	36

D A T A REJECTED

Averages = **42.3** 14.2 1 133.0 \$348
 LSD (0.10) = 7.3 2.7 ns
 LSD (0.25) = 3.8 1.4 ns
 C.V. = 16.4 18.3 New test site, no yield history

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

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 was no-till planted after rye cover crop hay removal. Planting conditions were a bit moist, but otherwise good. We were surprised to note potassium deficiency, verified by soil test, in the plot and the surrounding field. Deficiency symptoms were randomly located and not variety specific. Even after a killing frost, grain moistures remained high in many plots. Rejected due to variability.

† 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 ©2018, all rights reserved by Elite Field Genetics, LLC
 Report Date: 10/22/2018 Revised:

2018 Soybean Top 30 Harvest Report
 Minnesota South Central [MNSC] CANNON FALLS
 Jeff Beckman, Goodhue County, MN 55018



PREV. CROP/HERB: Sweet Corn, Rye / Resicore, Roundup
 SOIL DESCRIPTION: Marquis, Maxfield silt loam, mod. well drained, non-irrigated
 SOIL CONDITIONS: Medium P, very low K, 7.2 pH, 4.4% OM, 17.5 CEC
 TILLAGE/CULTIVATION: No-till
 PEST MANAGEMENT: glyphosate applied twice
 APPLIED N-P-K (units): 0-0-0
 SEEDED - RATE - ROW: Jun 6 140,000 /A 30" Spacing
 HARVESTED - STAND: Oct 21 133,300 /A

Full-Season Test
Maturity Group 1.9 - 2.2
 S2018MNSC03b

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
UC Seeds	L2298794	RR	2.0	R	58.8	14.2	1	133.5	\$494	1
Holly	H2248	RR	2.2	RR	57.8	13.6	6	133.9	\$475	2
Bank	RR22194R2	RR2Y	2.1	R	56.8	14.7	2	132.1	\$458	3
Holly	H2248	RR	2.1	RR	55.1	16.3	4	133.8	\$449	4
NorthStar	NS 22124R2	RR2Y	1.9	RR	54.2		1	133.9	\$447	5
Danland	D24 22124R2Y	RR2Y	2.1	R	53.9		2	133.8	\$444	6
Danland	D24 22124R2Y	RR2Y	1.9	R	53.5		1	133.8	\$441	7
Bank	RR22794	RR	2.0	R	53.0	14.9		133.9	\$435	8
Federal	F22894R2Y	RR	2.2	R	52.6	15.1		133.9	\$431	9
Agrisure	A229894 UC	RR	2.1	R	52.1			133.5	\$428	10
Agrisure	A229894 UC	RR	2.2	R	51.9			132.1	\$422	11
Latham	L2298R2	RR2Y	2.2	R	51.7	15.2	2	133.9	\$418	12
Holly	H2247	RR	2.0	RR	51.5		2	133.9	\$412	13
True Pro	TP 22488	RR	2.0	RR	49.9	17.4	5	132.5	\$408	14
Latham	L2298R2	RR	2.0	R	49.7	16.2	1	133.9	\$404	15
Agrisure	A229894 UC	RR	1.9	R	49.5	16.5	2	133.5	\$403	17
Federal	F22894R2Y	RR	2.2	R	49.2	14.3	1	133.8	\$405	16
Dynis Gro	D22794	RR	2.1	R	49.1	17.4	6	132.5	\$401	18
Bank	RR22194	RR2Y	2.0	R	49.0	17.0	1	133.5	\$400	19
Danland	D24 22124R2Y	RR2Y	2.1	R	48.4	16.9	1	132.5	\$394	20
Phar	2292	RR	2.0	R	48.1	16.5	2	133.5	\$391	21
Agrisure	A22987 G	RR	2.0	R	47.5	14.0	1	133.9	\$391	22
Andersen	A22987	RR	2.0	RR	47.5	15.8	1	133.8	\$389	23
Phar	F22794	RR	2.2	R	47.1	13.7	6	133.5	\$388	24
Bank	RR22194	RR	2.1	R	46.8	17.2	2	131.6	\$381	25
Bank	RR22194	RR2Y	1.9	R	46.3	14.1	2	132.5	\$381	26
Agrisure	A22987 G	RR	2.1	R	46.1	16.2	2	133.5	\$375	28
UC Seeds	UC 22124 G	RR	2.0	R	45.9	12.1	1	133.5	\$379	27
Latham	L2298R2Y	RR	2.2	R	45.7	15.9	6	133.5	\$374	29
UC Seeds	UC 22124 G	RR	2.1	R	45.4	14.3	2	133.8	\$373	30

REJECTED

NuTech	7198 CK	RR	1.9	R	43.7	14.5	1	133.5	\$359	34
					Averages =	48.0	16.4	2	133.3	\$393
					LSD (0.10) =	5.7	3.2	ns		
					LSD (0.25) =	3.0	1.7	ns		
					C.V. =	11.3	18.7			

Mark Querna

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

New test site, no yield history

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 was no-till planted after rye cover crop hay removal. Planting conditions were a bit moist, but otherwise good. We were surprised to note potassium deficiency, verified by soil test, in the plot and the surrounding field. Deficiency symptoms were randomly located and not variety specific. Even after a killing frost, grain moistures remained high in many plots. Rejected due to variability.

† 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

©2018, all rights reserved by Elite Field Genetics, LLC

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.