

2018 Soybean Top 30 Harvest Report

Missouri North [MONO] GREENTOP

Terry Sevits, Schuyler County, MO 63546



Test by: F.I.R.S.T. MSR, Inc., Columbia, MO

PREV. CROP/HERB: Corn / Corvus
 SOIL DESCRIPTION: Belinda silt loam, moderately drained, non-irrigated
 SOIL CONDITIONS: Very high P, very high K, 6.8 pH, 2.9% OM, 12.4 CEC
 TILLAGE/CULTIVATION: Minimum w/o fall till
 PEST MANAGEMENT: Liberty, Sonic, Zidua, Select Max
 APPLIED N-P-K (units): 0-0-0
 SEEDED - RATE - ROW: May 18 140,000 /A 30" Spacing
 HARVESTED - STAND: Nov 17 105,200 /A

Early-Season Test

Maturity Group 3.2 - 3.8

S2018MONO03a

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
AgriGold	G3830RX	RRX	3.8	R	59.8	11.5	1	106.5	\$478	1
ProHarvest	3838X	RRX	3.8	R	59.6	12.0	1	110.4	\$477	2
Pioneer	P38A98X §	RRX	3.8	R	59.6	12.1	2	108.4	\$477	3
FS HiSoy	HS 37X70	RRX	3.7	R	59.1	11.9	1	102.6	\$473	4
AgriGold	G3722RX	RRX,ST	3.7	R	58.7	11.8	1	102.6	\$470	5
ProHarvest	3528C	None	3.5	R	58.4	11.9	1	102.6	\$467	6
Lewis	3872X	RRX	3.8	R	57.7	11.8	1	112.3	\$462	7
Lewis	3792X	RRX	3.7	R	57.6	11.6	1	112.3	\$461	8
Champion	36X38N	RRX	3.6	R	57.6	12.2	1	104.5	\$461	9
Champion	38X97N	RRX	3.8	R	57.1	11.6	1	116.2	\$457	10
LG Seeds	C3550RX	RRX	3.5	R	56.9	11.6	1	108.4	\$455	11
Great Heart	GT-3711XS	RRX,ST	3.7	R	56.9	12.4	1	96.8	\$455	12
Champion	35X78N	RRX	3.5	R	56.6	11.3	1	98.7	\$453	13
LG Seeds	LGS3777RX	RRX	3.7	R	56.3	12.0	1	110.4	\$450	14
Credenz	CZ3548LL	LL	3.5	MR	55.6	12.0	1	108.4	\$445	16
Lewis	3682X	RRX	3.6	R	55.4	11.8	1	104.5	\$443	17
FS HiSoy	HS 34X60	RRX	3.4	R	55.4	12.0	1	100.7	\$443	18
Credenz	CZ3738LL	LL	3.7	MR	55.1	11.7	1	98.7	\$441	19
ProHarvest	3427X	RRX	3.4	R	55.0	11.8	1	110.4	\$440	20
ProHarvest	3738X	RRX	3.7	R	55.0	12.0	1	104.5	\$440	21
Asgrow	AG36X6 §	RRX	3.6	R	54.8	11.6	1	106.5	\$438	22
ProHarvest	EC18390	None	3.9	R	54.4	11.8	1	108.4	\$435	23
NK Brand	S35-K9X §	RRX	3.5	R	54.4	11.9	1	89.1	\$435	24
Pioneer	P33T19X §	RRX	3.3	R	53.9	12.1	1	94.9	\$431	25
Champion	34X97N	RRX	3.4	R	53.8	11.9	1	98.7	\$430	26
Credenz	CZ3601LL	LL	3.6	R	52.9	12.2	1	104.5	\$423	27
Pioneer	P36T36X GC	RRX	3.6	R	52.5	11.6	1	110.4	\$420	28
Golden Harvest	GH3546X	RRX	3.5	R	52.4	11.6	1	92.9	\$419	29
Renk	RS379NX	RRX	3.7	R	52.4	11.7	1	106.5	\$419	30
NK Brand	S36-J9L	LL	3.6	R	52.3	11.8	1	112.3	\$418	31
Pioneer	P40A47X CK	RRX	4.0	R	55.7	11.9	1	102.6	\$446	15

Averages = **54.4** **11.8** **1** **105.2** **\$435**

LSD (0.10) = 3.7 ns 0.7

LSD (0.25) = 1.9 ns 0.4

C.V. = 6.4

Prev. years avg. yield, 51.7 bu/a, 4 yrs

Yield & Income Factors: Base Moisture = 13.0% Shrink = 1.3 Drying = \$0.020 Prices = \$8.00 GMO; \$8.00 non-GMO

TEST COMMENTS: *Timely planting into a uniform seedbed in this Chariton river bottom site. Then a close call. "Hail came, and 2 inches of hard rain with it, as the trial was emerging," Terry mentioned. Damage was fairly uniform across the plot area slightly reducing final stands. Harvest proved challenging, a multi-day effort, in an autumn with excess rainfall. Terry's gauge collected 22" of rain over a 6-week period.*

† 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: 11/27/2018 Revised:

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PEST MANAGEMENT: Liberty, Sonic, Zidua, Select Max
APPLIED N-P-K (units): 0-0-0
SEEDED - RATE - ROW: May 18 140,000 /A 30" Spacing
HARVESTED - STAND: Nov 17 103,800 /A

Full-Season Test
Maturity Group 3.9 - 4.3
S2018MONO03b

Top 30 of 36

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
Lewis	4182X	RRX,ST	4.1	R	60.0	12.0	1	100.7	\$480	1
FS HiSoy	HS 43X60	RRX,ST	4.3	R	59.9	11.5	2	112.3	\$479	2
FS HiSoy	HS 41X70	RRX,ST	4.1	R	59.1	11.5	1	110.4	\$473	3
Golden Harvest	GH3982X §	RRX	3.9	R	58.8	11.7	1	100.7	\$470	4
Lewis	4393X	RRX,ST	4.3	R	58.5	11.5	1	110.4	\$468	5
Pioneer	P42A52X §	RRX	4.2	R	58.3	11.2	1	112.3	\$466	6
Credenz	CZ4308LL	LL	4.3	MR	58.0	12.0	1	100.7	\$464	7
Champion	42XS39N	RRX,ST	4.2	R	57.8	11.4	1	108.4	\$462	8
Lewis	4372X	RRX,ST	4.3	R	57.5	11.7	1	112.3	\$460	9
Champion	43L18N	LL	4.3	R	57.4	11.7	1	110.4	\$459	10
Dyna-Gro	S41XS98	RRX,ST	4.1	R	56.9	11.8	1	94.9	\$455	11
Dyna-Gro	S39XT68	RRX	3.9	R	56.5	11.5	1	100.7	\$452	12
Lewis	4272X	RRX,ST	4.2	R	55.6	11.5	1	100.7	\$445	13
Stine	41LF32 GC	LL	4.1	R	55.3	11.8	1	100.7	\$442	14
NK Brand	S39-P5X	RRX	3.9	R	55.1	11.7	1	102.6	\$441	15
ProHarvest	4366CR2Y	RR2Y	4.3	R	55.1	12.0	1	100.7	\$441	16
AgriGold	G3980RX	RRX	3.9	R	55.0	11.9	1	100.7	\$440	17
FS HiSoy	HS 39X70	RRX	3.9	R	54.6	11.4	1	96.8	\$437	18
Stine	44LH22 §	LL	4.4	R	54.6	12.0	1	106.5	\$437	19
Golden Harvest	GH4240XS §	RRX,ST	4.2	R	54.5	12.1	1	91.0	\$436	20
Lewis	4091X	RRX	4.0	R	54.2	11.7	1	102.6	\$434	21
Credenz	CZ3945LL	LL	3.9	R	54.0	11.7	1	98.7	\$432	22
Great Heart	GT-404CLL	LL	4.0	R	53.8	11.7	1	106.5	\$430	23
Asgrow	AG39X7 §	RRX,ST	3.9	R	53.5	11.4	1	94.9	\$428	25
Renk	RS398NX	RRX	3.9	R	53.4	11.5	1	106.5	\$427	26
Champion	39L15N	LL	3.9	R	53.3	11.8	1	100.7	\$426	27
LG Seeds	C3985RX	RRX	3.9	R	52.7	11.8	1	104.5	\$422	28
AgriGold	G4190RX	RRX,ST	4.1	R	52.3	11.7	1	102.6	\$418	29
Credenz	CZ4222LL	LL	4.2	MR	51.8	11.8	1	106.5	\$414	30
Great Heart	GT-4231XS	RRX,ST	4.2	R	51.7	11.7	1	100.7	\$414	31
Pioneer	P40A47X CK	RRX	4.0	R	53.6	11.3	1	112.3	\$429	24

Averages = **54.8** **11.6** **1** **103.8** **\$438**

LSD (0.10) = 4.0 ns ns

LSD (0.25) = 2.1 ns ns

C.V. = 6.9 Prev. years avg. yield, 51.7 bu/a, 4 yrs

Yield & Income Factors: Base Moisture = 13.0% Shrink = 1.3 Drying = \$0.020 Prices = \$8.00 GMO; \$8.00 non-GMO

TEST COMMENTS: *Timely planting into a uniform seedbed in this Chariton river bottom site. Then a close call. "Hail came, and 2 inches of hard rain with it, as the trial was emerging," Terry mentioned. Damage was fairly uniform across the plot area slightly reducing final stands. Harvest proved challenging, a multi-day effort, in an autumn with excess rainfall. Terry's gauge collected 22" of rain over a 6-week period.*

† 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: 11/27/2018 Revised:

2018 Soybean - Missouri North [MONO]

Early-Season Test Products (42 Total)

Company/Brand	Product/Brand	Technol.	Mat.	SCN	Seed Trt	Company/Brand	Product/Brand	Technol.	Mat.	SCN	Seed Trt
AgriGold	G3722RX	RRX,ST	3.7	R	ASfi,IL						
AgriGold	G3830RX	RRX	3.8	R	ASfi,IL						
Asgrow	AG36X6 §	RRX	3.6	R	AC,PV						
Champion	34X97N	RRX	3.4	R	EL						
Champion	35X78N	RRX	3.5	R	EL						
Champion	36X38N	RRX	3.6	R	EL						
Champion	38X97N	RRX	3.8	R	EL+						
Credenz	CZ3233LL	LL	3.2	R	EE,PV,IL						
Credenz	CZ3548LL	LL	3.5	MR	EE,PV,IL						
Credenz	CZ3601LL	LL	3.6	R	EE,PV,IL						
Credenz	CZ3738LL	LL	3.7	MR	EE,PV,IL						
Credenz	CZ3841LL	LL	3.8	R	EE,PV,IL						
Dyna-Gro	S37XS89	RRX,ST	3.7	R	EQV,Ci						
FS HiSoy	HS 32X80	RRX	3.2	R	ACi,IL						
FS HiSoy	HS 33X80	RRX	3.3	R	ACi,IL						
FS HiSoy	HS 34X60	RRX	3.4	R	ACi,IL						
FS HiSoy	HS 37X70	RRX	3.7	R	ACi,IL						
Golden Harvest	GH3475X	RRX	3.4	R	CCB,Me						
Golden Harvest	GH3546X	RRX	3.5	R	CCB,Me						
Great Heart	GT-3711XS	RRX,ST	3.7	R	Gr+						
Lewis	3682X	RRX	3.6	R	AC,PV						
Lewis	3792X	RRX	3.7	R	AC,PV						
Lewis	3872X	RRX	3.8	R	AC,PV						
LG Seeds	C3550RX	RRX	3.5	R	ASfi,IL						
LG Seeds	LGS3777RX	RRX	3.7	R	ASfi,IL						
NK Brand	S35-K9X §	RRX	3.5	R	CCB,Me						
NK Brand	S36-J9L	LL	3.6	R	CCB,Me						
NK Brand	S38-M3L	LL	3.8	MR	CCB,Me						
Pfister	32R201	RR2Y	3.2	R	CCB						
Pioneer	P33T19X §	RRX	3.3	R	EE,G,Lu						
Pioneer	P36T36X GC	RRX	3.6	R	None						
Pioneer	P38A98X §	RRX	3.8	R	None						
Pioneer	P40A47X CK	RRX	4.0	R	None						
ProHarvest	3427X	RRX	3.4	R	Pd						
ProHarvest	3528C	None	3.5	R	Pd						
ProHarvest	3696CLL	LL	3.6	R	Pd						
ProHarvest	3738X	RRX	3.7	R	Pd						
ProHarvest	3838X	RRX	3.8	R	CCB,Me						
ProHarvest	EC18390	None	3.9	R	Pd						
Renk	RS379NX	RRX	3.7	R	EcTC						
Stine	37LF23 §	LL	3.7	R	SFI						
Stine	38LE02 §	LL	3.8	R	SFI,IL						

2018 Soybean - Missouri North [MONO]

Full-Season Test Products (36 Total)

Company/Brand	Product/Brand	Technol.	Mat.	SCN	Seed Trt	Company/Brand	Product/Brand	Technol.	Mat.	SCN	Seed Trt
AgriGold	G3980RX	RRX	3.9	R	ASfi,IL						
AgriGold	G4190RX	RRX,ST	4.1	R	ASfi,IL						
Asgrow	AG39X7 §	RRX,ST	3.9	R	AC,PV						
Asgrow	AG41X8 §	RRX,ST	4.1	R	AC,PV						
Champion	39L15N	LL	3.9	R	EL						
Champion	40X98N	RRX	4.0	R	EL						
Champion	42XS39N	RRX,ST	4.2	R	EL						
Champion	43L18N	LL	4.3	R	EL						
Credenz	CZ3945LL	LL	3.9	R	EE,PV,IL						
Credenz	CZ4222LL	LL	4.2	MR	EE,PV,IL						
Credenz	CZ4308LL	LL	4.3	MR	EE,PV,IL						
Dyna-Gro	S39XT68	RRX	3.9	R	EQV,Ci						
Dyna-Gro	S41XS98	RRX,ST	4.1	R	EQV,Ci						
FS HiSoy	HS 39X70	RRX	3.9	R	ACi,IL						
FS HiSoy	HS 41X70	RRX,ST	4.1	R	ACi,IL						
FS HiSoy	HS 43X60	RRX,ST	4.3	R	ACi,IL						
Golden Harvest	GH3980L	LL	3.8	MR	CCB,Me						
Golden Harvest	GH3982X §	RRX	3.9	R	CCB,Me						
Golden Harvest	GH4240XS §	RRX,ST	4.2	R	CCB,Me						
Great Heart	GT-404CLL	LL	4.0	R	Gr+						
Great Heart	GT-4231XS	RRX,ST	4.2	R	Gr+						
Lewis	4091X	RRX	4.0	R	AC,PV						
Lewis	4182X	RRX,ST	4.1	R	AC,PV						
Lewis	4272X	RRX,ST	4.2	R	AC,PV						
Lewis	4372X	RRX,ST	4.3	R	AC,PV						
Lewis	4393X	RRX,ST	4.3	R	AC,PV						
LG Seeds	C3985RX	RRX	3.9	R	ASfi,IL						
NK Brand	S39-P5X	RRX	3.9	R	CCB,Me						
NK Brand	S41-T4L	LL	4.1	R	CCB,Me						
Pioneer	P40A47X CK	RRX	4.0	R	None						
Pioneer	P42A52X §	RRX	4.2	R	EE,G,IL,Lu						
ProHarvest	3927X	RRX	3.9	R	Pd						
ProHarvest	4366CR2Y	RR2Y	4.3	R	Pd						
Renk	RS398NX	RRX	3.9	R	EcTC						
Stine	41LF32 GC	LL	4.1	R	SFI						
Stine	44LH22 §	LL	4.4	R	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.