

2018 Soybean Top 30 Harvest Report

Missouri North [MONO] ST. JOSEPH
Jeff Gaskill, Buchanan County, MO 64098



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

PREV. CROP/HERB: Corn / Degree Xtra, Impact, Roundup
SOIL DESCRIPTION: Modale silt loam, moderately drained, non-irrigated
SOIL CONDITIONS: Low P, medium K, 6.3 pH, 3.4% OM, 16.4 CEC
TILLAGE/CULTIVATION: Conventional w/ fall till
PEST MANAGEMENT: Authority First, Liberty, Zidua, Select Max
APPLIED N-P-K (units): 0-0-0
SEEDED - RATE - ROW: May 22 140,000 /A 30" Spacing
HARVESTED - STAND: Oct 28 126,400 /A

Early-Season Test
Maturity Group 3.2 - 3.8
S2018MONO01a

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
Golden Harvest	GH3475X	RRX	3.4	R	63.1	11.2	1	137.5	\$505	1
Great Heart	GT-3711XS	RRX,ST	3.7	R	60.3	12.1	1	120.0	\$482	2
Lewis	3682X	RRX	3.6	R	59.1	11.5	1	122.0	\$473	3
AgriGold	G3830RX	RRX	3.8	R	59.1	11.6	1	122.0	\$473	4
Credenz	CZ3738LL	LL	3.7	MR	57.8	11.6	1	127.8	\$462	5
Champion	34X97N	RRX	3.4	R	56.8	11.5	1	112.3	\$454	6
ProHarvest	3838X	RRX	3.8	R	56.4	11.4	1	120.0	\$451	7
LG Seeds	LGS3777RX	RRX	3.7	R	56.2	11.3	4	114.2	\$450	8
Stine	37LF23 §	LL	3.7	R	56.1	11.5	1	123.9	\$449	9
NK Brand	S35-K9X §	RRX	3.5	R	55.9	11.6	1	118.1	\$447	10
ProHarvest	EC18390	None	3.9	R	55.8	11.8	1	125.8	\$446	11
AgriGold	G3722RX	RRX,ST	3.7	R	55.8	11.3	2	137.5	\$446	12
FS HiSoy	HS 34X60	RRX	3.4	R	55.6	11.4	1	123.9	\$445	13
FS HiSoy	HS 33X80	RRX	3.3	R	55.3	10.9	1	122.0	\$442	14
Champion	38X97N	RRX	3.8	R	55.2	11.2	1	123.9	\$442	16
NK Brand	S36-J9L	LL	3.6	R	54.9	11.8	1	127.8	\$439	17
NK Brand	S38-M3L	LL	3.8	MR	54.7	11.9	1	135.5	\$438	18
Pioneer	P38A98X §	RRX	3.8	R	54.5	11.2	1	116.2	\$436	19
Renk	RS379NX	RRX	3.7	R	54.4	12.0	1	122.0	\$435	20
ProHarvest	3696CLL	LL	3.6	R	54.2	11.4	1	122.0	\$434	21
Credenz	CZ3233LL	LL	3.2	R	54.0	11.7	9	127.8	\$432	22
Dyna-Gro	S37XS89	RRX,ST	3.7	R	53.9	12.0	2	118.1	\$431	23
ProHarvest	3738X	RRX	3.7	R	53.2	11.5	1	135.5	\$426	24
Champion	35X78N	RRX	3.5	R	53.0	11.4	1	135.5	\$424	25
Asgrow	AG36X6 §	RRX	3.6	R	52.9	11.5	1	122.0	\$423	26
Champion	36X38N	RRX	3.6	R	52.8	11.5	1	135.5	\$422	27
Credenz	CZ3841LL	LL	3.8	R	52.8	11.5	2	137.5	\$422	28
Pfister	32R201	RR2Y	3.2	R	52.8	11.0	4	120.0	\$422	29
Lewis	3872X	RRX	3.8	R	52.6	11.8	1	123.9	\$421	30
Credenz	CZ3548LL	LL	3.5	MR	52.2	11.9	1	139.4	\$418	31
Pioneer	P40A47X CK	RRX	4.0	R	55.3	11.1	1	129.7	\$442	15

Averages = **54.1** **11.5** **1** **126.4** **\$433**

LSD (0.10) = 3.9 0.3 ns

LSD (0.25) = 2.0 0.2 ns

C.V. = 6.8 Prev. years avg. yield, 54.0 bu/a, 1 yr

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

TEST COMMENTS: *Planting took place into a very uniform and clean, stale seedbed in the Missouri River bottoms. Good seedling vigor and plant stand was observed early. Another abnormally dry year followed. All FIRST Missouri soybean trials used extra precaution and effort by host farmers and FIRST to provide an all-inclusive variety trial. The trials remained weed-free at harvest with little soybean plant lodging.*

† 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: 10/31/2018 Revised:

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PEST MANAGEMENT: Authority First, Liberty, Zidua, Select Max
APPLIED N-P-K (units): 0-0-0
SEEDED - RATE - ROW: May 22 140,000 /A 30" Spacing
HARVESTED - STAND: Oct 28 127,400 /A

Full-Season Test
Maturity Group 3.9 - 4.3
S2018MONO01b

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
ProHarvest	3927X	RRX	3.9	R	62.6	11.7	1	125.8	\$501	1
Dyna-Gro	S39XT68	RRX	3.9	R	62.6	12.0	1	123.9	\$501	2
Asgrow	AG39X7 §	RRX,ST	3.9	R	62.2	11.3	1	135.5	\$498	3
Great Heart	GT-4231XS	RRX,ST	4.2	R	61.4	11.8	1	129.7	\$491	4
Lewis	4091X	RRX	4.0	R	59.4	11.0	1	120.0	\$475	5
LG Seeds	C3985RX	RRX	3.9	R	59.4	11.3	1	135.5	\$475	6
ProHarvest	4366CR2Y	RR2Y	4.3	R	59.3	10.9	1	131.6	\$474	7
AgriGold	G3980RX	RRX	3.9	R	59.0	11.5	1	123.9	\$472	8
Golden Harvest	GH3980L	LL	3.8	MR	58.7	11.8	1	137.5	\$470	9
Champion	40X98N	RRX	4.0	R	58.6	11.7	1	123.9	\$469	10
Champion	39L15N	LL	3.9	R	58.4	11.7	2	129.7	\$467	11
Golden Harvest	GH3982X §	RRX	3.9	R	58.0	11.5	1	123.9	\$464	12
Champion	42XS39N	RRX,ST	4.2	R	57.9	11.4	1	120.0	\$463	13
Lewis	4182X	RRX,ST	4.1	R	56.9	11.1	1	129.7	\$455	14
Golden Harvest	GH4240XS §	RRX,ST	4.2	R	56.7	11.7	1	133.6	\$454	15
NK Brand	S41-T4L	LL	4.1	R	56.5	11.8	1	127.8	\$452	16
Renk	RS398NX	RRX	3.9	R	56.4	11.5	1	135.5	\$451	17
Lewis	4272X	RRX,ST	4.2	R	56.4	11.6	6	122.0	\$451	18
Credenz	CZ4222LL	LL	4.2	MR	56.3	11.5	1	129.7	\$450	19
FS HiSoy	HS 39X70	RRX	3.9	R	56.1	11.4	2	127.8	\$449	20
Stine	41LF32 GC	LL	4.1	R	55.9	11.6	1	122.0	\$447	22
NK Brand	S39-P5X	RRX	3.9	R	55.5	11.4	1	123.9	\$444	23
FS HiSoy	HS 43X60	RRX,ST	4.3	R	55.0	11.1	2	131.6	\$440	24
Dyna-Gro	S41XS98	RRX,ST	4.1	R	54.9	11.5	1	135.5	\$439	25
Great Heart	GT-404CLL	LL	4.0	R	54.8	11.6	1	122.0	\$438	26
Pioneer	P42A52X §	RRX	4.2	R	54.6	11.4	3	135.5	\$437	27
FS HiSoy	HS 41X70	RRX,ST	4.1	R	54.5	11.3	1	123.9	\$436	28
AgriGold	G4190RX	RRX,ST	4.1	R	54.4	11.9	1	122.0	\$435	29
Lewis	4393X	RRX,ST	4.3	R	53.9	11.1	1	125.8	\$431	30
Lewis	4372X	RRX,ST	4.3	R	53.3	11.3	3	122.0	\$426	31
Pioneer	P40A47X CK	RRX	4.0	R	56.0	11.0	1	118.1	\$448	21

Averages = **56.2** **11.5** **2** **127.4** **\$450**

LSD (0.10) = 3.9 0.4 2.0

LSD (0.25) = 2.0 0.2 1.1

C.V. = 6.5 Prev. years avg. yield, 54.0 bu/a, 1 yr

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

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Report Date: 10/31/2018 Revised:

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.