

2018 Soybean Top 30 Harvest Report

Missouri North [MONO] PALMYRA

Shawn Kiefaber, Marion County, MO 63461



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

PREV. CROP/HERB: Corn / Acuron, Roundup
 SOIL DESCRIPTION: Belknap-Fatima silt loam, mod. well drained, non-irrigated
 SOIL CONDITIONS: Medium P, very high K, 6.1 pH, 2.9% OM, 12.1 CEC
 TILLAGE/CULTIVATION: No-till
 PEST MANAGEMENT: glyphosate, Matador, Zidua
 APPLIED N-P-K (units): 0-80-80
 SEEDED - RATE - ROW: May 30 140,000 /A 30" Spacing
 HARVESTED - STAND: Nov 22 115,400 /A

Early-Season Test
Maturity Group 3.2 - 3.8
 S2018MONO04a

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	C3550RX	RRX	3.5	R	69.3	12.3	1	108.4	\$554	1
FS HiSoy	HS 34X60	RRX	3.4	R	68.2	12.3	1	123.9	\$546	2
Credenz	CZ3601LL	LL	3.6	R	66.5	12.6	6	116.2	\$532	3
FS HiSoy	HS 33X80	RRX	3.3	R	66.1	13.5	1	114.2	\$528	4
Credenz	CZ3548LL	LL	3.5	MR	65.9	12.5	1	120.0	\$527	5
Champion	35X78N	RRX	3.5	R	65.4	12.2	1	114.2	\$523	6
NK Brand	S35-K9X §	RRX	3.5	R	64.2	12.5	6	118.1	\$514	7
ProHarvest	3427X	RRX	3.4	R	62.8	12.9	2	112.3	\$502	8
LG Seeds	LGS3777RX	RRX	3.7	R	62.8	13.5	4	110.4	\$502	9
AgriGold	G3830RX	RRX	3.8	R	62.6	12.6	9	114.2	\$501	10
Credenz	CZ3841LL	LL	3.8	R	62.0	13.0	12	112.3	\$496	11
Pfister	32R201	RR2Y	3.2	R	61.7	13.8	2	116.2	\$493	12
FS HiSoy	HS 37X70	RRX	3.7	R	61.5	13.0	6	118.1	\$492	13
Champion	34X97N	RRX	3.4	R	61.4	12.5	1	116.2	\$491	14
Lewis	3682X	RRX	3.6	R	60.5	12.3	9	116.2	\$484	15
Credenz	CZ3738LL	LL	3.7	MR	60.5	13.6	2	114.2	\$483	16
FS HiSoy	HS 32X80	RRX	3.2	R	60.1	13.8	1	110.4	\$480	17
Golden Harvest	GH3475X	RRX	3.4	R	59.4	12.6	4	102.6	\$475	19
AgriGold	G3722RX	RRX,ST	3.7	R	58.9	12.5	4	114.2	\$471	20
NK Brand	S38-M3L	LL	3.8	MR	58.7	12.9	4	112.3	\$470	21
Great Heart	GT-3711XS	RRX,ST	3.7	R	58.7	12.6	6	127.8	\$470	22
Credenz	CZ3233LL	LL	3.2	R	58.7	14.0	5	122.0	\$468	23
Lewis	3872X	RRX	3.8	R	58.2	13.8	4	120.0	\$465	24
Stine	38LE02 §	LL	3.8	R	57.9	12.6	6	106.5	\$463	25
Lewis	3792X	RRX	3.7	R	57.7	13.1	5	120.0	\$461	26
Pioneer	P36T36X GC	RRX	3.6	R	57.3	12.2	6	108.4	\$458	27
Renk	RS379NX	RRX	3.7	R	57.2	12.7	6	125.8	\$458	28
NK Brand	S36-J9L	LL	3.6	R	57.0	12.8	6	116.2	\$456	29
Pioneer	P33T19X §	RRX	3.3	R	56.9	12.5	2	123.9	\$455	30
Dyna-Gro	S37XS89	RRX,ST	3.7	R	56.6	13.9	9	118.1	\$452	31
Pioneer	P40A47X CK	RRX	4.0	R	59.6	13.0	1	108.4	\$477	18

Averages = **59.1** **13.0** **5** **115.4** **\$473**

LSD (0.10) = 6.2 0.9 5.2

LSD (0.25) = 3.3 0.5 2.7

C.V. = 10.0 Prev. years avg. yield, 61.0 bu/a, 5 yrs

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

TEST COMMENTS: *No-till seedbed after corn with quick emergence. Hot and somewhat dry summer was followed by plenty of precipitation near the end of growing season. Soybean plants had minimal lodging. This Mississippi River bottom site had limited harvest opportunity due to wet, cloudy and cool autumn. As evident with the many acres of standing corn and soybeans in neighboring fields when harvesting trial.*

† 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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TILLAGE/CULTIVATION: No-till
PEST MANAGEMENT: glyphosate, Matador, Zidua
APPLIED N-P-K (units): 0-80-80
SEEDED - RATE - ROW: May 30 140,000 /A 30" Spacing
HARVESTED - STAND: Nov 22 114,000 /A

Full-Season Test
Maturity Group 3.9 - 4.3
S2018MONO04b

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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
Great Heart	GT-4231XS	RRX,ST	4.2	R	68.6	12.5	1	114.2	\$549	1
Champion	42XS39N	RRX,ST	4.2	R	68.3	13.1	2	110.4	\$546	2
AgriGold	G4190RX	RRX,ST	4.1	R	66.7	13.1	1	112.3	\$533	3
AgriGold	G3980RX	RRX	3.9	R	66.3	12.7	1	108.4	\$530	4
FS HiSoy	HS 41X70	RRX,ST	4.1	R	66.1	12.7	1	110.4	\$529	5
Lewis	4393X	RRX,ST	4.3	R	63.9	12.5	1	112.3	\$511	6
LG Seeds	C3985RX	RRX	3.9	R	63.1	12.8	1	123.9	\$505	7
Dyna-Gro	S41XS98	RRX,ST	4.1	R	63.0	12.8	1	114.2	\$504	8
FS HiSoy	HS 39X70	RRX	3.9	R	62.4	12.7	1	112.3	\$499	9
Credenz	CZ4222LL	LL	4.2	MR	61.8	12.7	1	108.4	\$494	10
NK Brand	S39-P5X	RRX	3.9	R	61.8	12.2	2	118.1	\$494	11
NK Brand	S41-T4L	LL	4.1	R	61.5	12.7	1	116.2	\$492	12
Golden Harvest	GH3980L	LL	3.8	MR	60.8	12.5	1	120.0	\$486	13
Asgrow	AG39X7 §	RRX,ST	3.9	R	60.6	12.2	2	114.2	\$485	14
ProHarvest	3927X	RRX	3.9	R	60.6	13.0	2	116.2	\$485	15
FS HiSoy	HS 43X60	RRX,ST	4.3	R	60.4	12.9	3	120.0	\$483	16
Golden Harvest	GH4240XS §	RRX,ST	4.2	R	59.9	12.8	1	110.4	\$479	17
Dyna-Gro	S39XT68	RRX	3.9	R	59.6	12.4	1	118.1	\$477	18
Lewis	4182X	RRX,ST	4.1	R	58.2	12.9	1	120.0	\$466	20
Champion	40X98N	RRX	4.0	R	58.1	12.6	1	110.4	\$465	21
Renk	RS398NX	RRX	3.9	R	58.0	13.0	2	112.3	\$464	22
Lewis	4091X	RRX	4.0	R	57.9	12.2	1	118.1	\$463	23
Lewis	4372X	RRX,ST	4.3	R	57.2	12.5	5	122.0	\$458	24
Lewis	4272X	RRX,ST	4.2	R	57.2	12.6	6	102.6	\$458	25
ProHarvest	4366CR2Y	RR2Y	4.3	R	57.1	12.8	1	112.3	\$457	26
Credenz	CZ4308LL	LL	4.3	MR	56.7	12.4	1	110.4	\$454	27
Great Heart	GT-404CLL	LL	4.0	R	55.5	12.7	2	125.8	\$444	28
Champion	43L18N	LL	4.3	R	54.9	12.5	2	112.3	\$439	29
Golden Harvest	GH3982X §	RRX	3.9	R	54.8	12.5	1	116.2	\$438	30
Stine	41LF32 GC	LL	4.1	R	54.4	12.9	1	110.4	\$435	31
Pioneer	P40A47X CK	RRX	4.0	R	58.9	12.7	1	108.4	\$471	19

William C. Schelp

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Averages = **59.1** **12.7** **2** **114.0** **\$473**
LSD (0.10) = 4.6 0.4 2.2
LSD (0.25) = 2.4 0.2 1.2
C.V. = 7.3

Prev. years avg. yield, 61.0 bu/a, 5 yrs

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

TEST COMMENTS: *No-till seedbed after corn with quick emergence. Hot and somewhat dry summer was followed by plenty of precipitation near the end of growing season. Soybean plants had minimal lodging. This Mississippi River bottom site had limited harvest opportunity due to wet, cloudy and cool autumn. As evident with the many acres of standing corn and soybeans in neighboring fields when harvesting trial.*

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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.