

2018 Soybean Top 30 Harvest Report
 Missouri Central [MOCE] ORCHARD FARM
 Scott Boschert, St. Charles County, MO 63301



PREV. CROP/HERB: Corn / SureStart II, atrazine, Roundup
 SOIL DESCRIPTION: Desioux loam, well drained, non-irrigated
 SOIL CONDITIONS: Very high P, very high K, 5.3 pH, 3.2% OM, 14.8 CEC
 TILLAGE/CULTIVATION: Conventional w/ fall till
 PEST MANAGEMENT: Blanket, Ledger, Tomahawk 5
 APPLIED N-P-K (units): 0-60-90
 SEEDED - RATE - ROW: May 12 140,000 /A 30" Spacing
 HARVESTED - STAND: Oct 22 132,400 /A

All-Season Test
Maturity Group 3.5 - 4.6
 S2018MOCE04

Top 30 of 63
 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	73.8	10.8	11	133.6	\$590	1
Credenz	CZ3601LL	LL	3.6	R	73.4	10.8	3	133.6	\$587	2
Lewis	4091X	RRX	4.0	R	73.3	10.5	3	129.7	\$586	3
NK Brand	S38-M3L	LL	3.8	MR	72.8	10.6	1	125.8	\$582	4
Lewis	3682X	RRX	3.6	R	72.0	10.7	4	129.7	\$576	5
Champion	40X98N	RRX	4.0	R	72.0	10.8	15	135.5	\$576	6
FS HiSoy	HS 37X70	RRX	3.7	R	71.9	10.8	1	131.6	\$575	7
Lewis	4393X	RRX,ST	4.3	R	71.5	10.7	2	135.5	\$572	8
Pioneer	P40A47X §	RRX	4.0	R	71.1	10.9	1	139.4	\$569	9
Golden Harvest	GH3475X	RRX	3.4	R	71.1	10.4	59	131.6	\$569	10
Credenz	CZ4649LL	LL	4.6	R	70.6	10.8	3	122.0	\$565	11
NK Brand	S35-K9X §	RRX	3.5	R	70.5	11.0	54	133.6	\$564	12
Pioneer	P38A98X §	RRX	3.8	R	69.9	10.9	13	133.6	\$559	13
Credenz	CZ3841LL	LL	3.8	R	69.7	10.7	41	120.0	\$558	14
Lewis	4182X	RRX,ST	4.1	R	69.5	10.6	1	133.6	\$556	15
Champion	35L07N	LL	3.5	R	69.0	10.8	15	131.6	\$552	16
LG Seeds	C4227RX	RRX,ST	4.2	R	69.0	11.3	29	129.7	\$552	17
Golden Harvest	GH3980L	LL	3.8	MR	68.8	10.8	2	131.6	\$550	18
AgriGold	G4440RX	RRX,ST	4.4	R	68.8	10.9	12	135.5	\$550	19
NK Brand	S36-J9L GC	LL	3.6	R	68.7	10.6	2	125.8	\$550	20
NK Brand	S43-V3X	RRX	4.3	R	68.7	11.6	38	131.6	\$550	21
Stine	38LE02 §	LL	3.8	R	68.5	10.9	5	145.2	\$548	22
Pioneer	P42A52X §	RRX	4.2	R	68.3	10.6	11	139.4	\$546	23
LG Seeds	LGS3777RX	RRX	3.7	R	68.2	10.8	13	135.5	\$546	24
Lewis	4572X	RRX,ST	4.5	R	68.0	11.2	3	141.3	\$544	25
LG Seeds	C3985RX	RRX	3.9	R	67.8	10.7	19	131.6	\$542	26
FS HiSoy	HS 41X70	RRX,ST	4.1	R	67.7	11.1	15	137.5	\$542	27
AgriGold	G4190RX	RRX,ST	4.1	R	67.5	11.1	9	129.7	\$540	28
Stine	41LF32 §	LL	4.1	R	67.5	11.1	24	129.7	\$540	29
Great Heart	GT-404CLL	LL	4.0	R	67.1	10.6	4	133.6	\$537	30

Averages = **66.3** **10.8** **17** **132.4** **\$531**
 LSD (0.10) = 4.6 0.3 10.6
 LSD (0.25) = 2.4 0.2 5.5
 C.V. = 6.6

Prev. years avg. yield, 72.3 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: *This second year FIRST site was planted during the first half of May and quite timely. Season progressed nicely and the crop advanced well despite the usual Missouri weather extremes. Being a river bottom site, the plants got quite tall and vegetative growth was plentiful. Most plots, if standing, were chest high. At harvest, seed quality was excellent. Good looking, clean soybean 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: 10/23/2018 Revised:

2018 Soybean - Missouri Central [MOCE]

All-Season Test Products (63 Total)

Company/Brand	Product/Brand	Technol.	Mat.	SCN	Seed Trt	Company/Brand	Product/Brand	Technol.	Mat.	SCN	Seed Trt
AgriGold	G3830RX	RRX	3.8	R	ASfi,IL	Lewis	4272X	RRX,ST	4.2	R	AC,PV
AgriGold	G3980RX	RRX	3.9	R	ASfi,IL	Lewis	4393X	RRX,ST	4.3	R	AC,PV
AgriGold	G4190RX	RRX,ST	4.1	R	ASfi,IL	Lewis	4572X	RRX,ST	4.5	R	AC,PV
AgriGold	G4440RX	RRX,ST	4.4	R	ASfi,IL	LG Seeds	C3985RX	RRX	3.9	R	ASfi,IL
Asgrow	AG41X8 §	RRX,ST	4.1	R	AC,PV	LG Seeds	C4227RX	RRX,ST	4.2	R	ASfi,IL
Asgrow	AG43X7 §	RRX,ST	4.3	R	AC,PV	LG Seeds	LGS3777RX	RRX	3.7	R	ASfi,IL
Asgrow	AG46X6 §	RRX	4.6	R	AC,PV	NK Brand	S35-K9X §	RRX	3.5	R	CCB,Me
Champion	35L07N	LL	3.5	R	EL	NK Brand	S36-J9L GC	LL	3.6	R	CCB,Me
Champion	35X78N	RRX	3.5	R	EL	NK Brand	S38-M3L	LL	3.8	MR	CCB,Me
Champion	38X97N	RRX	3.8	R	EL+	NK Brand	S39-P5X	RRX	3.9	R	CCB,Me
Champion	39L15N	LL	3.9	R	EL	NK Brand	S41-T4L	LL	4.1	R	CCB,Me
Champion	40X98N	RRX	4.0	R	EL	NK Brand	S43-V3X	RRX	4.3	R	CCB,Me
Champion	42XS39N	RRX,ST	4.2	R	EL	Pioneer	P38A98X §	RRX	3.8	R	None
Champion	43L18N	LL	4.3	R	EL	Pioneer	P40A47X §	RRX	4.0	R	None
Champion	45XS78N	RRX,ST	4.5	R	EL	Pioneer	P42A52X §	RRX	4.2	R	EE,G,IL,Lu
Credenz	CZ3548LL	LL	3.5	MR	EE,PV,IL	Stine	38LE02 §	LL	3.8	R	SFI,IL
Credenz	CZ3601LL	LL	3.6	R	EE,PV,IL	Stine	41LF32 §	LL	4.1	R	SFI
Credenz	CZ3738LL	LL	3.7	MR	EE,PV,IL	Stine	45RI02 §	RR2Y	4.5	R	SF
Credenz	CZ3841LL	LL	3.8	R	EE,PV,IL						
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						
Credenz	CZ4649LL	LL	4.6	R	EE,PV,IL						
Dyna-Gro	S41XS98	RRX,ST	4.1	R	EQV,Ci						
Dyna-Gro	S43XS27	RRX,ST	4.3	R	EQV,Ci						
FS HiSoy	HS 35X80	RRX	3.5	R	ACi,IL						
FS HiSoy	HS 37X70	RRX	3.7	R	ACi,IL						
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						
FS HiSoy	HS 45X80	RRX,ST	4.5	R	ACi,IL						
FS HiSoy	HS 46X60	RRX,ST	4.6	R	ACi,IL						
Golden Harvest	GH3475X	RRX	3.4	R	CCB,Me						
Golden Harvest	GH3546X	RRX	3.5	R	CCB,Me						
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-3711XS	RRX,ST	3.7	R	Gr+						
Great Heart	GT-404CLL	LL	4.0	R	Gr+						
Great Heart	GT-4231XS	RRX,ST	4.2	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						
Lewis	4091X	RRX	4.0	R	AC,PV						
Lewis	4182X	RRX,ST	4.1	R	AC,PV						

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.