

2018 Soybean Top 30 Harvest Report

Missouri North [MONO] BLUE RIDGE

Doug Taggart, Harrison County, MO 64642



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

PREV. CROP/HERB: Corn / SureStart II, atrazine
 SOIL DESCRIPTION: Haig silt loam, moderately drained, non-irrigated
 SOIL CONDITIONS: Medium P, very high K, 5.8 pH, 4.8% OM, 13.8 CEC
 TILLAGE/CULTIVATION: Minimum w/o fall till
 PEST MANAGEMENT: PP = Zidua Pro, Sencor; Pre = Liberty, Sonic, Zidua, Select Max
 APPLIED N-P-K (units): 0-0-0
 SEEDED - RATE - ROW: May 23 140,000 /A 30" Spacing
 HARVESTED - STAND: Oct 29 117,100 /A

Early-Season Test

Maturity Group 3.2 - 3.8

S2018MONO02a

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
Lewis	3682X	RRX	3.6	R	43.6	9.9	1	112.3	\$349	1
Lewis	3872X	RRX	3.8	R	43.4	9.5	1	104.5	\$347	2
Champion	38X97N	RRX	3.8	R	43.0	9.5	1	120.0	\$344	3
Stine	37LF23 §	LL	3.7	R	42.6	9.4	1	120.0	\$341	4
ProHarvest	3528C	None	3.5	R	42.4	10.5	1	112.3	\$339	5
Asgrow	AG36X6 §	RRX	3.6	R	42.2	9.8	1	120.0	\$338	6
ProHarvest	3838X	RRX	3.8	R	41.6	9.5	1	120.0	\$333	7
FS HiSoy	HS 37X70	RRX	3.7	R	41.1	9.6	1	122.0	\$329	8
Lewis	3792X	RRX	3.7	R	40.7	9.5	1	114.2	\$326	9
Credenz	CZ3738LL	LL	3.7	MR	40.6	9.5	1	122.0	\$325	10
AgriGold	G3830RX	RRX	3.8	R	40.5	9.5	1	114.2	\$324	11
LG Seeds	C3550RX	RRX	3.5	R	40.4	9.6	1	116.2	\$323	12
NK Brand	S35-K9X §	RRX	3.5	R	39.9	9.8	1	112.3	\$319	13
Champion	36X38N	RRX	3.6	R	39.8	9.8	1	114.2	\$318	14
Great Heart	GT-3711XS	RRX,ST	3.7	R	39.3	9.6	1	118.1	\$314	15
Credenz	CZ3841LL	LL	3.8	R	39.2	9.7	1	127.8	\$314	16
Pfister	32R201	RR2Y	3.2	R	39.0	9.3	1	122.0	\$312	17
Golden Harvest	GH3546X	RRX	3.5	R	38.9	9.7	1	104.5	\$311	18
ProHarvest	EC18390	None	3.9	R	38.5	9.8	1	122.0	\$308	19
Credenz	CZ3601LL	LL	3.6	R	38.3	9.4	1	120.0	\$306	20
Champion	35X78N	RRX	3.5	R	38.2	9.7	1	131.6	\$306	21
AgriGold	G3722RX	RRX,ST	3.7	R	38.1	9.5	1	112.3	\$305	22
LG Seeds	LGS3777RX	RRX	3.7	R	38.0	9.5	1	120.0	\$304	23
Renk	RS379NX	RRX	3.7	R	38.0	9.5	1	120.0	\$304	24
Pioneer	P38A98X §	RRX	3.8	R	38.0	9.9	1	122.0	\$304	25
Champion	34X97N	RRX	3.4	R	37.7	9.4	1	122.0	\$302	26
ProHarvest	3738X	RRX	3.7	R	37.5	9.4	1	118.1	\$300	27
Pioneer	P33T19X §	RRX	3.3	R	37.5	9.7	1	110.4	\$300	28
ProHarvest	3427X	RRX	3.4	R	37.5	9.9	1	110.4	\$300	29
NK Brand	S38-M3L	LL	3.8	MR	37.2	9.7	1	112.3	\$298	30
Pioneer	P40A47X CK	RRX	4.0	R	36.3	9.4	1	118.1	\$290	36

Averages = 38.6 9.7 1 117.1 \$309

LSD (0.10) = 3.1 0.4 ns

LSD (0.25) = 1.6 0.2 ns

C.V. = 7.7

Prev. years avg. yield, 53.4 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: *Herbicide was applied a couple weeks prior to and again at planting. The site received rain shortly after crop planting giving a great start. The summer turned brutal. Significant heat stress and limited precipitation tested crop resiliency. At harvest, plants were short with the lowest pod being 4-8 inches above ground as the norm. Substantial Cercospora purple seed stain and poor seed quality here.*

† 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: 11/02/2018 Revised:

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TILLAGE/CULTIVATION: Minimum w/o fall till
PEST MANAGEMENT: PP = Zidua Pro, Sencor; Pre = Liberty, Sonic, Zidua, Select Max
APPLIED N-P-K (units): 0-0-0
SEEDED - RATE - ROW: May 23 140,000 /A 30" Spacing
HARVESTED - STAND: Oct 29 118,300 /A

Full-Season Test
Maturity Group 3.9 - 4.3
S2018MONO02b

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	4272X	RRX,ST	4.2	R	43.6	9.7	1	123.9	\$349	1
Golden Harvest	GH3982X §	RRX	3.9	R	43.4	10.2	1	123.9	\$347	2
Great Heart	GT-4231XS	RRX,ST	4.2	R	42.4	10.0	1	110.4	\$339	3
Lewis	4091X	RRX	4.0	R	41.9	9.7	1	123.9	\$335	4
Champion	42XS39N	RRX,ST	4.2	R	41.9	9.9	1	116.2	\$335	5
Credenz	CZ4222LL	LL	4.2	MR	41.8	9.5	1	125.8	\$334	6
Golden Harvest	GH4240XS §	RRX,ST	4.2	R	41.2	9.9	1	120.0	\$330	7
Dyna-Gro	S41XS98	RRX,ST	4.1	R	40.6	9.7	1	110.4	\$325	8
Lewis	4372X	RRX,ST	4.3	R	40.6	9.8	1	114.2	\$325	9
AgriGold	G3980RX	RRX	3.9	R	40.1	9.9	1	120.0	\$321	10
Pioneer	P42A52X §	RRX	4.2	R	40.0	9.8	1	122.0	\$320	11
Lewis	4393X	RRX,ST	4.3	R	39.9	9.6	1	122.0	\$319	12
ProHarvest	4366CR2Y	RR2Y	4.3	R	39.9	10.4	1	114.2	\$319	13
FS HiSoy	HS 41X70	RRX,ST	4.1	R	39.7	9.6	1	108.4	\$318	14
FS HiSoy	HS 43X60	RRX,ST	4.3	R	39.7	10.1	1	116.2	\$318	15
Champion	40X98N	RRX	4.0	R	39.5	10.0	1	108.4	\$316	16
FS HiSoy	HS 39X70	RRX	3.9	R	39.1	9.9	1	123.9	\$313	17
Lewis	4182X	RRX,ST	4.1	R	38.8	9.8	1	108.4	\$310	18
Champion	43L18N	LL	4.3	R	38.8	10.1	1	112.3	\$310	19
AgriGold	G4190RX	RRX,ST	4.1	R	38.8	10.4	1	116.2	\$310	20
Asgrow	AG39X7 §	RRX,ST	3.9	R	38.7	9.7	1	125.8	\$310	21
Credenz	CZ4308LL	LL	4.3	MR	38.5	10.2	1	116.2	\$308	22
LG Seeds	C3985RX	RRX	3.9	R	38.4	9.9	1	112.3	\$307	23
ProHarvest	3927X	RRX	3.9	R	38.3	10.1	1	125.8	\$306	24
Asgrow	AG41X8 §	RRX,ST	4.1	R	38.2	10.1	1	125.8	\$306	25
Renk	RS398NX	RRX	3.9	R	37.5	9.9	1	123.9	\$300	27
NK Brand	S39-P5X	RRX	3.9	R	37.4	9.6	1	110.4	\$299	28
NK Brand	S41-T4L	LL	4.1	R	36.3	9.5	1	122.0	\$290	29
Champion	39L15N	LL	3.9	R	36.1	9.7	1	114.2	\$289	30
Credenz	CZ3945LL	LL	3.9	R	35.8	9.7	1	123.9	\$286	31
Pioneer	P40A47X CK	RRX	4.0	R	37.8	9.7	1	129.7	\$302	26

William C. Schelp

William Schelp

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Averages = **38.8** **9.9** **1** **118.3** **\$311**
LSD (0.10) = 2.6 0.4 ns
LSD (0.25) = 1.4 0.2 ns
C.V. = 6.4

Prev. years avg. yield, 53.4 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: *Herbicide was applied a couple weeks prior to and again at planting. The site received rain shortly after crop planting giving a great start. The summer turned brutal. Significant heat stress and limited precipitation tested crop resiliency. At harvest, plants were short with the lowest pod being 4-8 inches above ground as the norm. Substantial Cercospora purple seed stain and poor seed quality here.*

† 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: 11/02/2018 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.