

2018 Soybean Top 30 Harvest Report

Illinois South [ILSO] BELLEVILLE

John Bartelbort, St. Clair County, IL 62221



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

PREV. CROP/HERB: Corn / Acuron, atrazine
 SOIL DESCRIPTION: Mascoutah silty clay loam, moderately drained, non-irrigated
 SOIL CONDITIONS: High P, medium K, 6.4 pH, 3.4% OM, 18.6 CEC
 TILLAGE/CULTIVATION: Conventional w/o fall till
 PEST MANAGEMENT: Roundup PowerMax, Prefix, Quadris Top SBX
 APPLIED N-P-K (units): 14-35-60
 SEEDED - RATE - ROW: May 11 140,000 /A 30" Spacing
 HARVESTED - STAND: Oct 20 134,100 /A

All-Season Test
Maturity Group 3.7 - 4.7
 S2018ILSO01

Top 30 of 45

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
NK Brand	S35-K9X §	RRX	3.5	R	78.4	12.5	6	125.8	\$627	1
FS HiSoy	HS 41X70	RRX,ST	4.1	R	76.2	12.7	6	135.5	\$610	2
FS HiSoy	HS 39X70	RRX	3.9	R	75.9	12.7	2	129.7	\$607	3
Armor	39-D39	RRX	3.9	R	72.4	12.7	4	122.0	\$579	4
NK Brand	S43-V3X	RRX	4.3	R	72.3	13.5	8	127.8	\$578	5
Great Heart	GT-4231XS	RRX,ST	4.2	R	72.0	12.2	3	141.3	\$576	6
Golden Harvest	GH4307X	RRX	4.3	R	71.8	13.0	7	143.3	\$574	7
LG Seeds	LGS3777RX	RRX	3.7	R	71.1	12.3	6	127.8	\$569	8
Armor	42-D27	RRX,ST	4.2	R	71.0	12.7	6	149.1	\$568	9
Asgrow	AG39X7 §	RRX,ST	3.9	R	70.9	12.3	7	131.6	\$567	10
Stone	2RX4228-SR	RRX,ST	4.2	R	70.7	13.3	3	135.5	\$565	11
LG Seeds	C4227RX	RRX,ST	4.2	R	70.2	12.8	3	129.7	\$562	12
Dyna-Gro	S41XS98	RRX,ST	4.1	R	69.7	13.6	4	133.6	\$557	13
Great Heart	GT-3711XS	RRX,ST	3.7	R	69.3	12.5	4	137.5	\$554	14
Golden Harvest	GH3761X	RRX	3.7	R	69.1	12.5	6	141.3	\$553	15
Dyna-Gro	S43XS27	RRX,ST	4.3	R	69.1	12.7	7	139.4	\$553	16
FS HiSoy	HS 38X70	RRX,ST	3.8	R	68.8	12.2	3	129.7	\$550	17
Pioneer	P40A47X §	RRX	4.0	R	68.3	12.4	3	127.8	\$546	18
AgriGold	G3830RX §	RRX	3.8	R	67.7	12.3	4	135.5	\$542	19
Stone	2RX4438	RRX	4.4	R	67.4	12.2	4	137.5	\$539	20
Golden Harvest	GH3982X §	RRX	3.9	R	67.2	12.9	6	141.3	\$538	21
LG Seeds	C3985RX	RRX	3.9	R	66.9	12.7	3	135.5	\$535	22
FS HiSoy	HS 37X70	RRX	3.7	R	66.9	12.8	3	143.3	\$535	23
Great Heart	GT-3926X	RRX	3.9	R	66.7	12.7	2	131.6	\$534	24
Pioneer	P36T36X §	RRX	3.6	R	66.5	11.7	5	129.7	\$532	25
Armor	44-D40	RRX,ST	4.4	R	65.5	12.8	7	135.5	\$524	26
FS HiSoy	HS 43X60	RRX,ST	4.3	R	64.4	12.4	6	133.6	\$515	27
Armor	X40D85 GC	RRX	4.0	R	64.3	12.3	7	133.6	\$514	28
Pioneer	P42A52X §	RRX	4.2	R	64.3	12.4	11	135.5	\$514	29
NK Brand	S42-B9XS	RRX,ST	4.2	R	63.9	13.1	4	133.6	\$511	30

Averages = **65.6** **12.6** **5** **134.1** **\$525**

LSD (0.10) = 4.6 0.6 3.2

LSD (0.25) = 2.4 0.3 1.7

C.V. = 6.6

Prev. years avg. yield, 56.6 bu/a, 16 yrs

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

TEST COMMENTS: *Trial was planted timely in early May. The soybean crop liked the weather this year provided. Timely rains all season long. Plants were quite healthy at harvest with excellent standability. Average plant height was 48 inches, with several varieties taller. Lodging was minimal. Considering the plant height, this was very noticeable. Pods filled to the top of plant. Average seed size with good pod fill*

† 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: 10/22/2018 Revised:

2018 Soybean - Illinois South [ILSO]

All-Season Test Products (45 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						
AgriGold	G4750RX GC	RRX,ST	4.7	R	ASfi,IL						
Armor	39-D39	RRX	3.9	R	DX						
Armor	42-D27	RRX,ST	4.2	R	DX						
Armor	44-D40	RRX,ST	4.4	R	DX						
Armor	46-D08	RRX,ST	4.6	R	DX						
Armor	X40D85 GC	RRX	4.0	R	DX						
Armor	X45D50 GC	RRX	4.5	R	DX						
Asgrow	AG39X7 §	RRX,ST	3.9	R	AC,PV						
Asgrow	AG41X8 §	RRX,ST	4.1	R	AC,PV						
Asgrow	AG42X6 §	RRX	4.2	R	AC,PV						
Asgrow	AG46X6 §	RRX	4.6	R	AC,PV						
Dyna-Gro	S41XS98	RRX,ST	4.1	R	EQV,Ci						
Dyna-Gro	S43XS27	RRX,ST	4.3	R	EQV,Ci						
Dyna-Gro	S46XS87	RRX,ST	4.6	R	EQV,Ci						
FS HiSoy	HS 37X70	RRX	3.7	R	ACi,IL						
FS HiSoy	HS 38X70	RRX,ST	3.8	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	GH3761X	RRX	3.7	R	CCB,Me						
Golden Harvest	GH3982X §	RRX	3.9	R	CCB,Me						
Golden Harvest	GH4240XS §	RRX,ST	4.2	R	CCB,Me						
Golden Harvest	GH4307X	RRX	4.3	R	CCB,Me						
Golden Harvest	GH4542X	RRX	4.5	R	CCB,Me						
Great Heart	GT-3711XS	RRX,ST	3.7	R	Gr+						
Great Heart	GT-3926X	RRX	3.9	R	Gr+						
Great Heart	GT-4231XS	RRX,ST	4.2	R	Gr+						
LG Seeds	C3985RX	RRX	3.9	R	ASfi,IL						
LG Seeds	C4227RX	RRX,ST	4.2	R	ASfi,IL						
LG Seeds	LGS3777RX	RRX	3.7	R	ASfi,IL						
NK Brand	S35-K9X §	RRX	3.5	R	CCB,Me						
NK Brand	S39-P5X	RRX	3.9	R	CCB,Me						
NK Brand	S42-B9XS	RRX,ST	4.2	R	CCB,Me						
NK Brand	S43-V3X	RRX	4.3	R	CCB,Me						
NK Brand	S45-Z5XS	RRX,ST	4.5	R	CCB,Me						
Pioneer	P36T36X §	RRX	3.6	R	None						
Pioneer	P38A98X §	RRX	3.8	R	None						
Pioneer	P40A47X §	RRX	4.0	R	None						
Pioneer	P42A52X §	RRX	4.2	R	EE,G,IL,Lu						
Stone	2RX4228-SR	RRX,ST	4.2	R	AC,PV,IL						
Stone	2RX4438	RRX	4.4	R	AC,PV,IL						
Stone	2RX4629-SR	RRX,ST	4.6	R	AC,PV,IL						

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.