

2016 Soybean Top 30 Harvest Report

Illinois South [ILSO] BELLEVILLE

John (Don) Barttelbort, St. Clair County, IL 62224



Test by: 3rd Party Comparisons, LLC, Owaneco, IL

PREV. CROP/HERB: Corn / Princep, Bicep II Magnum, Lumax, Lexar
 SOIL DESCRIPTION: Ipava silty clay loam, moderately drained, non-irrigated
 SOIL CONDITIONS: High P, high K, 6.6 pH, 3 % OM
 TILLAGE/CULTIVATION: Minimum w/ fall till
 PEST MANAGEMENT: Roundup, 2,4-D, Canopy, Boundary, Roundup, Flexstar GT, Roundup, Radiate
 SEEDED - RATE - ROW: Jun 3 140,000 /A 30" Spacing
 HARVESTED - STAND: Nov 1 99,900 /A

All-Season Test
Maturity Group 3.8 - 4.7
 S2016ILSO12

Top 30 of 54
 For Gross Income (Sorted by Yield)
 Average of (3) Replications

Company/Brand	Product/Brand†	Technol.†	Mat.	SCN Resist.	Seed Trt.†	Yield Bu/A	Moisture %	Lodging %	Stand (x 1000)	Gross Income
Stone	2RX4327-SR	RRX,ST	4.3	R	ACi	68.2	13.0	10	116.2	\$664
Steyer	4704XR	RRX	4.7	MR	SStd	67.8	13.0	1	130.7	\$660
Pfister	39R201	RR2Y	3.9	R	CCB	66.3	13.3	1	116.2	\$645
FS HiSoy	HS 46X60	RRX	4.6	R	ACi	66.0	12.7	1	122.0	\$642
Dyna-Gro	S43XS27	RRX,ST	4.3	R	ACi	65.7	12.3	22	127.8	\$639
FS HiSoy	HS 43X60	RRX	4.3	R	ACi	65.1	12.7	4	110.4	\$633
Steyer	4402R2	RR2Y	4.4	MR	SStd	64.0	13.1	0	124.9	\$623
Steyer	4403XR	RRX	4.4	MR	SStd	63.7	13.2	4	107.4	\$620
NK Brand	S45-R7 §	RR2Y,ST	4.5	R	CCB,Me	63.6	12.8	9	110.4	\$619
LG Seeds	C3989R2	RR2Y	3.8	R	CCB	62.8	13.2	11	98.7	\$611
Seed Consultants	SCS 9474RR^	RR	4.7	MR	EE,G	62.7	12.8	37	130.7	\$610
NK Brand	S42-P6 §	RR2Y	4.2	R	CCB,Me	62.4	13.5	18	116.2	\$607
Steyer	3805R2	RR2Y	3.8	MR	SStd	61.3	13.1	7	92.9	\$596
FS HiSoy	HS 44X60	RRX	4.4	R	ACi,CI	60.7	13.2	16	104.5	\$590
LG Seeds	C4322R2	RR2Y	4.3	R	CCB	60.4	12.6	28	104.5	\$588
Dairyland	DSR-4225/R2Y	RR2Y,ST	4.2	MR	CMB	60.4	13.3	1	116.2	\$587
Pfister	48RS01	RR2Y,ST	4.8	R	CCB	60.1	12.9	10	127.8	\$585
Pfister	45R23	RR2Y	4.5	R	CCB	60.0	13.0	11	116.2	\$584
Armor	43-D34	RRX	4.2	R	DX	60.0	14.7	6	104.5	\$582
Great Heart	GT-4220X	RRX	4.2	R	Gr+	59.8	13.3	10	107.4	\$581
FS HiSoy	HS 42A50	RR2Y	4.2	R	ACi,CI	58.8	13.2	17	107.4	\$572
FS HiSoy	HS 42X50	RRX	4.2	R	ACi,CI	58.5	13.4	7	110.4	\$569
Stine	43RE02 §	RR2Y	4.3	R	SFI	57.8	12.8	4	78.4	\$562
Stone	2RX4426-SR	RRX,ST	4.4	R	ACi	57.4	13.9	2	107.4	\$557
Pfister	39R29	RR2Y	3.9	R	CCB	57.0	12.6	8	107.4	\$555
Steyer	3806XR	RRX	3.8	MR	SStd	56.6	13.1	1	113.3	\$551
Stine	41RH22 §	RR2Y,ST	4.1	R	SFI	56.5	13.1	10	95.8	\$550
Dyna-Gro	S42RY77	RR2Y	4.2	R	CCB	56.3	12.8	16	92.9	\$548
FS HiSoy	HS 40X60	RRX	4.0	R	ACi	56.1	12.8	26	87.1	\$546
Seed Consultants	SCS 9385RR^	RR	3.8	MR	EE,G	56.1	12.8	45	110.4	\$546

Averages = 57.1 13.1 15 99.9 \$555

LSD (0.10) = 4.7 0.9 16

LSD (0.25) = 3.3 0.6 11

C.V. = 6.1 Prev. years avg. yield, 56.2 bu/a, 14 yrs

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Yield & Income Factors: Base Moisture = 13.0% Shrink = 1.3 Drying = \$0.020 Prices = \$9.73 GMO; \$9.73 non-GMO

TEST COMMENTS: *At planting, wet soil conditions plus numerous post-planting rains, reduced stands in some varieties. The trial was heavily lodged, which made for a slow harvest. John commented about harvesting his lodged soybeans this year. The abundant August rains spurred tall soybean plants (50-60"). September and October rains helped lodge tall plants. Seed size was large and mostly good quality.*

† 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: 11/02/2016 Revised:

2016 Soybean - Illinois South [ILSO]

All-Season Test Products (54 Total)

Company/Brand	Product/Brand	Technol.	Mat.	SCN	Seed Trt	Company/Brand	Product/Brand	Technol.	Mat.	SCN	Seed Trt
Armor	39-D90	RRX	3.9	R	DX	Steyer	4403XR	RRX	4.4	MR	SStd
Armor	43-D34	RRX	4.2	R	DX	Steyer	4704XR	RRX	4.7	MR	SStd
Armor	47-D17	RRX,ST	4.7	R	DX	Stine	38RE02 §	RR2Y	3.8	R	SFI
Asgrow	AG38X6 §	RRX	3.8	R	ACi	Stine	41RH22 §	RR2Y,ST	4.1	R	SFI
Asgrow	AG40X6 §	RRX	4.0	R	ACi	Stine	43RE02 §	RR2Y	4.3	R	SFI
Asgrow	AG42X6 §	RRX	4.2	R	ACi	Stone	2RX3816-SR	RRX,ST	3.8	R	ACi
Dairyland	DSR-3838/R2Y	RR2Y	3.8	MR	CMB	Stone	2RX4327-SR	RRX,ST	4.3	R	ACi
Dairyland	DSR-4011/R2Y	RR2Y,ST	4.0	R	CMB	Stone	2RX4426-SR	RRX,ST	4.4	R	ACi
Dairyland	DSR-4225/R2Y	RR2Y,ST	4.2	MR	CMB	Withdrawn	Withdrawn §	RR	4.7	S	None
Dyna-Gro	S39XT67	RRX	3.9	R	CCB						
Dyna-Gro	S42RY77	RR2Y	4.2	R	CCB						
Dyna-Gro	S43XS27	RRX,ST	4.3	R	ACi						
FS HiSoy	HS 39A60	RR2Y	3.9	R	ACi,Ci						
FS HiSoy	HS 39X60	RRX	3.9	R	ACi						
FS HiSoy	HS 40X60	RRX	4.0	R	ACi						
FS HiSoy	HS 42A50	RR2Y	4.2	R	ACi,Ci						
FS HiSoy	HS 42X50	RRX	4.2	R	ACi,Ci						
FS HiSoy	HS 43X60	RRX	4.3	R	ACi						
FS HiSoy	HS 44X60	RRX	4.4	R	ACi,Ci						
FS HiSoy	HS 46X60	RRX	4.6	R	ACi						
Great Heart	GT-3970X	RRX	3.9	R	Gr+						
Great Heart	GT-4220X	RRX	4.2	R	Gr+						
LG Seeds	C3911RX	RRX	3.9	R	CCB						
LG Seeds	C3989R2	RR2Y	3.8	R	CCB						
LG Seeds	C4322R2	RR2Y	4.3	R	CCB						
NK Brand	S39-C4 §	RR2Y	3.9	R	CCB,Me						
NK Brand	S42-P6 §	RR2Y	4.2	R	CCB,Me						
NK Brand	S45-R7 §	RR2Y,ST	4.5	R	CCB,Me						
Pfister	38R202	RR2Y	3.8	R	CCB						
Pfister	39R201	RR2Y	3.9	R	CCB						
Pfister	39R29	RR2Y	3.9	R	CCB						
Pfister	41RS01	RR2Y,ST	4.1	R	CCB						
Pfister	43R29	RR2Y	4.3	R	CCB						
Pfister	45R23	RR2Y	4.5	R	CCB						
Pfister	48RS01	RR2Y,ST	4.8	R	CCB						
Pioneer	P38T42R §	RR	3.8	R	EE,G,IL						
Seed Consultants	SCS 9385RR^	RR	3.8	MR	EE,G						
Seed Consultants	SCS 9393RR^	RR	3.9	R	EE,G						
Seed Consultants	SCS 9456SR^	RR,ST	4.5	MR	EE,G						
Seed Consultants	SCS 9474RR^	RR	4.7	MR	EE,G						
Steyer	3805R2	RR2Y	3.8	MR	SStd						
Steyer	3806XR	RRX	3.8	MR	SStd						
Steyer	3904XR	RRX	3.9	MR	SStd						
Steyer	4004XR	RRX	4.0	MR	SStd						
Steyer	4402R2	RR2Y	4.4	MR	SStd						

Footnotes and Abbreviation Descriptions

Brand Footnotes

^	G2® brand seed is distributed by NuTech Seed, LLC. RPM® brand seed is distributed by Doeblers PA Hybrids, Inc. Supreme EX® brand seed is distributed by Seed Consultants, Inc. VPMmax® brand seed is distributed by AgVenture, Inc. XL® brand seed is distributed by Beck's Superior Hybrids. Curry®, G2®, HPT®, RPM®, Supreme EX®, VPMmax® and XL® are registered trademarks of DuPont Pioneer.
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

LL	LibertyLink®
None	Conventional, non-GMO
P	Plenish®
RR	glyphosate tolerant
RR2Y	Genuity® Roundup Ready 2 Yield®
RRX	Genuity® Roundup Ready 2 Xtend®
ST	sulfonylurea tolerant

Soybean Cyst Nematode (SCN) Resistance Rating

S	susceptible
MR	moderate resistance
R	resistant
n/a	info unavailable

Soybean Seed Treatments*

n/a	info unavailable	IL	ILeVO®
AC	Acceleron® fungicide products	In	Intego™ Solo
ACi	Acceleron® fungicide and insecticide products	IS	Intego™ Suite
AG	ArmourGuard™	MAG	Maximum ArmourGuard™
AM	ApronMaxx®	Me	Mertect®
AVB	Avicta® Complete Beans	Mg	Magnum ST™ (standard)
CCB	Clariva™ Complete Beans	NCFI	N-Compass™ Plus F/I
CI	Clariva™ pn	None	untreated
CMB	CruiserMaxx® Beans	PV	Poncho®/Votivo®
CMBV	CruiserMaxx® Beans with Vibrance	SDPI	Servo™ DPI
DPHB	DPH Boost®	SFI	Stine XP fungicide & insecticide
DST	Dominance™ ST	SS	Soyshield™
DX	Defend™ Extra	SS+	Soyshield Plus™
EE	Evergol™ Energy	SStd	SureStand™
En	Encase®	TE	Trius™ Elite
G	Gaucho®	WCX	Warden® CX
Gr+	Great Start™ Max Plus		

* Seed treatments may include unspecified plant health promoting components.