

2017 Soybean Top 30 Harvest Report

Iowa South [IASO] OSKALOOSA

B.J. Boender, Mahaska County, IA 52577



Test by: F.I.R.S.T. CCB, Inc., Elizabeth, IL

PREV. CROP/HERB: Corn/Wheat / Roundup, atrazine
 SOIL DESCRIPTION: Ladoga silt loam,
 SOIL CONDITIONS: High P, low K, 7.7 pH, 2.3% OM, 17.0 CEC
 TILLAGE/CULTIVATION: No-till
 PEST MANAGEMENT: Roundup
 APPLIED N-P-K (units): 0-0-0
 SEEDED - RATE - ROW: May 16 170,000 /A 15" Spacing
 HARVESTED - STAND: Oct 24 165,000 /A

All-Season Test
Maturity Group 2.5 - 3.6
 S2017IASO52

Top 30 of 75

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
FS HiSoy	HS 28X70	RRX	2.8	R	56.4	12.1	1	165.3	\$504	1
Champion	35X78N	RRX	3.5	R	55.0	13.5	1	161.3	\$491	2
Kruger	K2X-3552	RRX	3.5	R	54.9	13.4	1	169.3	\$490	3
Titan Pro	TP-34X86	RRX	3.4	R	53.8	13.3	1	161.3	\$481	4
Latham	L2749R2X	RRX	2.7	R	53.8	13.4	1	163.3	\$481	5
Golden Harvest	GH3195X §	RRX	3.1	R	53.2	12.9	1	171.3	\$476	6
Dairyland	DSR-3434/R2Y	RR2Y	3.4	MR	53.2	13.3	1	167.3	\$475	7
Four Star Seed	3X320	RRX	3.2	R	52.5	12.0	1	169.3	\$469	8
FS HiSoy	HS 34X60	RRX	3.4	R	52.4	13.4	1	167.3	\$468	9
LG Seeds	C3550RX	RRX	3.5	R	52.3	13.5	1	167.3	\$467	10
Latham	L2887R2X	RRX	2.8	R	52.2	12.3	1	157.3	\$467	11
FS HiSoy	HS 32X70	RRX	3.2	R	52.2	13.5	1	169.3	\$466	12
LG Seeds	C2888RX	RRX	2.8	R	50.4	12.5	1	161.3	\$451	13
Latham	L2959R2X	RRX	2.9	R	50.0	13.0	1	161.3	\$447	14
Golden Harvest	GH3546X	RRX	3.5	R	50.0	13.5	1	169.3	\$447	15
Renk	RS328NX	RRX	3.2	R	49.2	13.6	1	167.3	\$439	16
AgriGold	G3520RX	RRX	3.5	R	49.0	13.1	1	171.3	\$438	17
FS HiSoy	HS 29X70	RRX	2.9	R	48.8	13.4	1	163.3	\$436	18
AgriGold	G3410RX	RRX	3.4	R	48.4	12.9	1	171.3	\$433	19
Latham	L3184R2	RR2Y	3.1	R	48.4	13.0	1	163.3	\$433	20
Golden Harvest	GH3324X	RRX	3.3	R	48.2	13.6	1	167.3	\$430	21
Renk	RS357NX	RRX	3.5	R	48.1	13.0	1	155.3	\$430	22
AgriGold	G2900RX	RRX	2.9	R	47.8	12.5	1	165.3	\$427	23
Titan Pro	TP-35X17	RRX	3.5	MR	47.8	12.7	1	167.3	\$427	24
Renk	RS316NR2	RR2Y	3.1	R	47.3	13.2	1	167.3	\$423	25
Dairyland	DSR-3028/R2Y	RR2Y	3.0	MR	47.2	13.0	1	169.3	\$422	26
Titan Pro	TP-30X77	RRX	3.0	MR	47.1	13.3	1	165.3	\$421	27
Pioneer	P33T19X §	RRX	3.3	R	46.9	13.0	1	167.3	\$419	28
LG Seeds	C3489RX	RRX	3.4	R	46.8	12.8	1	159.3	\$418	29
Champion	34R87N	RR2Y	3.4	R	46.6	12.3	1	165.3	\$417	30

Averages = 44.6 13.0 1 165.0 \$399

LSD (0.10) = 6.4 0.6 ns

LSD (0.25) = 3.4 0.3 ns

C.V. = 13.8 Prev. years avg. yield, 65.4 bu/a, 13 yrs

Yield & Income Factors: Base Moisture = 13.0% Shrink = 1.3 Drying = \$0.020 Prices = \$8.94 GMO; \$8.94 non-GMO

TEST COMMENTS: This plot was planted in a dense cover crop so the soil had plenty of moisture. The conditions turned dry. Plants very were short, 10 to 20 inches tall. Pod clusters were stacked tightly together so plants looked full of pods that contained medium sized seed. No weeds or diseases were observed. The site received rainfall a few days before harvest. Plants were well matured making harvest easy.

† 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: 10/25/2017 Revised:

2017 Soybean - Iowa South [IASO]

All-Season Test Products (75 Total)

Company/Brand	Product/Brand	Technol.	Mat.	SCN	Seed Trt
AgriGold	G2900RX	RRX	2.9	R	ASfi,IL
AgriGold	G3094RX	RRX	3.0	R	ASfi,IL
AgriGold	G3410RX	RRX	3.4	R	ASfi,IL
AgriGold	G3520RX	RRX	3.5	R	ASfi,IL
AgriGold	G3690RX	RRX	3.6	R	ASfi,IL
Asgrow	AG29X8 §	RRX	2.9	R	ACi
Asgrow	AG33X8 §	RRX	3.3	R	ACi
Asgrow	AG36X6 §	RRX	3.6	R	ACi
Champion	29R06N	RR2Y	2.9	R	EL
Champion	31X77N	RRX	3.1	R	EL
Champion	34R87N	RR2Y	3.4	R	ELV
Champion	35X78N	RRX	3.5	R	ELV
Dairyland	DSR-3028/R2Y	RR2Y	3.0	MR	CMB
Dairyland	DSR-3250/R2Y	RR2Y	3.2	R	CMB
Dairyland	DSR-3434/R2Y	RR2Y	3.4	MR	CMB
Dairyland	DSR-3555/R2Y	RR2Y	3.5	MR	CMB
Four Star Seed	3X271	RRX	2.7	R	None
Four Star Seed	3X300	RRX	3.0	R	ACi
Four Star Seed	3X320	RRX	3.2	R	ACi
FS HiSoy	HS 28X70	RRX	2.8	R	ACi, IL
FS HiSoy	HS 29X70	RRX	2.9	R	ACi, IL
FS HiSoy	HS 31X60	RRX	3.1	R	ACi, IL
FS HiSoy	HS 32X70	RRX	3.2	R	ACi, IL
FS HiSoy	HS 33X70	RRX	3.3	R	ACi, IL
FS HiSoy	HS 34X60	RRX	3.4	R	ACi, IL
FS HiSoy	HS 35X70	RRX	3.5	R	ACi, IL
Golden Harvest	GH2981X	RRX	2.9	R	CCB,Me
Golden Harvest	GH3195X §	RRX	3.1	R	CCB,Me
Golden Harvest	GH3324X	RRX	3.3	R	CCB,Me
Golden Harvest	GH3546X	RRX	3.5	R	CCB,Me
Kruger	K2X-2863	RRX	2.8	R	ACi
Kruger	K2X-3141	RRX	3.1	MR	ACi
Kruger	K2X-3353	RRX	3.3	R	ACi
Kruger	K2X-3552	RRX	3.5	R	ACi
Kruger	K2X-3662	RRX	3.6	R	ACi
Latham	L2749R2X	RRX	2.7	R	CCB,Me
Latham	L2758R2	RR2Y	2.7	R	CCB,Me
Latham	L2887R2X	RRX	2.8	R	CCB,Me
Latham	L2959R2X	RRX	2.9	R	CCB,Me
Latham	L3084R2X	RRX	3.0	R	CCB,Me
Latham	L3184R2	RR2Y	3.1	R	CCB,Me
Latham	L3278R2X	RRX	3.2	R	CCB,Me
Latham	L3448R2X	RRX	3.4	R	CCB,Me
LG Seeds	C2888RX	RRX	2.8	R	ASfi,IL
LG Seeds	C3321R2	RR2Y	3.3	R	ASfi,IL

Company/Brand	Product/Brand	Technol.	Mat.	SCN	Seed Trt
LG Seeds	C3489RX	RRX	3.4	R	ASfi,IL
LG Seeds	C3550RX	RRX	3.5	R	ASfi,IL
NK Brand	S30-V6 §	RR2Y	3.0	R	CCB,Me
NK Brand	S35-C3 §	RR2Y	3.5	R	CCB,Me
Pfister	24R201	RR2Y	2.4	R	CCB
Pfister	26R207	RR2Y	2.6	R	CCB
Pfister	29R25	RR2Y	2.9	R	CCB
Pfister	30R25	RR2Y	3.0	R	CCB
Pfister	32R201	RR2Y	3.2	R	CCB
Pfister	33R206	RR2Y	3.3	R	CMBV
Pfister	35R201	RR2Y	3.5	R	CCB
Pioneer	P33T19X §	RRX	3.3	R	None
Prairie Brand	PB-2997R2	RR2Y	2.8	R	CMB
Prairie Brand	PB-3186R2	RR2Y	3.1	R	CMB
Prairie Brand	PB-3487R2	RR2Y	3.4	R	CMB
Renk	RS268NX	RRX	2.6	R	AM,IL
Renk	RS288NX	RRX	2.8	R	AM,IL
Renk	RS316NR2	RR2Y	3.1	R	AM,IL
Renk	RS317NX	RRX	3.1	R	EcTC
Renk	RS328NX	RRX	3.2	R	AM,IL
Renk	RS348NX	RRX	3.4	R	AM,IL
Renk	RS357NX	RRX	3.5	R	EcTC
Stine	27RI02 §	RR2Y	2.7	R	SFI
Stine	28RH02 §	RR2Y	2.8	R	SFI
Stine	32RF02 §	RR2Y	3.2	R	SFI
Titan Pro	TP-28X47	RRX	2.8	MR	IS,IL
Titan Pro	TP-30X77	RRX	3.0	MR	IS,IL
Titan Pro	TP-31X26	RRX	3.1	R	IS,IL
Titan Pro	TP-34X86	RRX	3.4	R	IS,IL
Titan Pro	TP-35X17	RRX	3.5	MR	IS,IL

Footnotes and Abbreviation Descriptions

Brand Footnotes

^	G2 [®] brand seed is distributed by NuTech Seed, LLC. RPM [®] brand seed is distributed by Doebler's PA Hybrids, Inc. Supreme EX [®] brand seed is distributed by Seed Consultants, Inc. VPM [®] brand seed is distributed by AgVenture, Inc. XL [®] brand seed is distributed by Beck's Superior Hybrids. Curry [®] , G2 [®] , HPT [®] , RPM [®] , Supreme EX [®] , VPM [®] 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

BG	Balance [™] GT
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 unavailable	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
AG	ArmourGuard [™]	IS	Intego [™] Suite
AM	ApronMaxx [®]	MAG	Maximum ArmourGuard [™]
ASfi	AgriShield [®] F+I	Me	Mertect [®]
AVB	Avicta [®] Complete Beans	Mg	Magnum ST [™] (standard)
AVBV	Avicta [®] Complete Beans with Vibrance [®]	NCFI	N-Compass [™] Plus F/I
CCB	Clariva [™] Complete Beans	None	untreated
CI	Clariva [™] pn	Pd	proTect D [™]
CMB	CruiserMaxx [®] Beans	Pdi	proTect D/I [™]
CMBV	CruiserMaxx [®] Beans with Vibrance [®]	PG+	Profit Guard + [™]
DPHB	DPH Boost [®]	PS	MAS Pro-Shield
DST	Dominance [™] ST	PV	Poncho [®] /Votivo [®]
DX	Defend [™] Extra	SDPI	Servo [™] DPI
EcTC	Eclipse [™] US Total coverage	SFI	Stine XP fungicide & insecticide
EE	Evergol [™] Energy	SS	Soyshield [™]
EL	Elevate [™] F+I	SS+	Soyshield Plus [™]
ELV	Elevate [™] VIP (F+I+N)	SStd	SureStand [™]
En	Encase [®]	TE	Trius Elite [™]
EQV	Equity [®] VIP	TT	Turbo Treat [™]
Es	Escalate [™]	W	Warden [®] CX
F	fungicide	Wr	Warden [®] RTA
G	Gaucha [®]	YPP	YP Pro [™]

* Seed treatments may include unspecified plant health promoting components.