

2018 Soybean Top 30 Harvest Report

Iowa South Central [IASC] YALE

Dennis Mleynek, Guthrie County, IA 50216



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

PREV. CROP/HERB: Corn / SureStart, Roundup
 SOIL DESCRIPTION: Clarion loam, well drained, non-irrigated
 SOIL CONDITIONS: Medium P, medium K, 5.9 pH, 2.5% OM, 15.3 CEC
 TILLAGE/CULTIVATION: Conventional w/ fall till
 PEST MANAGEMENT: Abundit Edge, Bronc Triple, Renegade, Ringside, Volunteer
 APPLIED N-P-K (units): 0-0-0
 SEEDED - RATE - ROW: May 18 160,000 /A 15" Spacing
 HARVESTED - STAND: Oct 20 134,500 /A

Early-Season Test

Maturity Group 2.3 - 2.7

S2018IASC44a

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
Golden Harvest	GH2788X	RRX	2.7	R	67.4	11.3	1	155.3	\$510	1
Latham	L2549R2X	RRX	2.5	R	67.2	11.1	1	143.4	\$509	2
Cornelius	CB27X81	RRX	2.7	R	66.5	12.2	1	119.5	\$503	3
Latham	L2464R2X	RRX	2.4	R	66.3	11.6	1	137.4	\$502	4
Legend	LS 24X842N	RRX	2.4	MR	65.6	11.4	3	137.4	\$497	5
Cornelius	CB24X64	RRX	2.4	R	65.5	11.7	2	143.4	\$496	6
NK Brand	S27-M8X §	RRX	2.7	R	65.4	11.2	1	125.5	\$495	7
LG Seeds	LGS2444RX	RRX	2.4	R	65.2	11.5	1	131.4	\$494	8
FS HiSoy	HS 24X80	RRX	2.4	R	64.9	11.8	1	125.5	\$491	9
Renk	RS248NX	RRX	2.4	R	64.7	11.8	2	131.4	\$490	10
Champion	24X98N	RRX	2.4	R	64.2	11.7	5	173.2	\$486	12
FS HiSoy	HS 25X70	RRX	2.5	R	64.1	11.7	1	107.5	\$485	13
Stine	28BA02 §	G27	2.8	R	64.1	11.1	8	143.4	\$485	14
Titan Pro	TP 24X87	RRX	2.4	MR	63.2	11.9	1	149.3	\$478	15
Kruger	K2X-2652	RRX	2.6	R	63.2	11.4	5	137.4	\$478	16
Renk	RS269X	RRX	2.6	S	62.4	11.5	3	107.5	\$472	17
Pfister	24R201	RR2Y	2.4	R	62.2	11.7	9	137.4	\$471	18
Stine	24RH62 §	RR2Y	2.4	R	61.9	11.5	10	113.5	\$469	19
LG Seeds	LGS2759RX	RRX	2.7	R	61.3	11.5	1	137.4	\$464	20
Kruger	K2X-2442	RRX	2.4	R	60.9	11.7	5	125.5	\$461	21
Renk	RS239NX	RRX	2.3	R	60.7	11.2	9	143.4	\$459	22
Latham	E2647R2X	RRX	2.6	S	60.6	11.2	5	131.4	\$459	23
Asgrow	AG24X7 §	RRX	2.4	R	60.5	11.7	2	137.4	\$458	24
Champion	23X78N	RRX	2.3	R	59.8	11.4	3	143.4	\$453	25
Latham	L2482R2	RR2Y	2.4	R	59.4	11.5	4	107.5	\$450	26
Champion	26X09N	RRX	2.6	MR	59.3	11.5	1	125.5	\$449	27
Hefty	H23X9	RRX	2.3	MR	59.0	11.6	1	173.2	\$447	28
LG Seeds	LGS2680RX	RRX	2.6	S	59.0	10.9	3	131.4	\$447	29
Legend	LS 27R524N	RR2Y	2.7	MR	58.5	11.6	1	107.5	\$443	30
Hefty	H24X8	RRX	2.4	MR	58.2	11.8	4	119.5	\$441	31
Pioneer	P25A27X CK	RRX	2.5	R	64.3	11.1	1	155.3	\$487	11

Averages = 60.2 11.5 4 134.5 \$456

LSD (0.10) = 3.7 0.3 4.4

LSD (0.25) = 1.9 0.2 2.3

C.V. = 5.8 Prev. years avg. yield, 58.7 bu/a, 15 yrs

Yield & Income Factors: Base Moisture = 13.0% Shrink = 1.3 Drying = \$0.020 Prices = \$7.57 GMO; \$7.57 non-GMO

TEST COMMENTS: The soil at planting was mellow with good moisture. Seedling emergence was good. At harvest, plants stood 30 to 47 inches tall with numerous pods containing small sized seed. Some varieties had dark shriveled seed, possibly Phomopsis seed decay, that impacted yield. Dennis, our host farmer, stated that the nearby elevator had reports of damaged soybeans in the area.

† 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:

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TILLAGE/CULTIVATION: Conventional w/ fall till
PEST MANAGEMENT: Abundit Edge, Bronc Triple, Renegade, Ringside, Volunteer
APPLIED N-P-K (units): 0-0-0
SEEDED - RATE - ROW: May 18 160,000 /A 15" Spacing
HARVESTED - STAND: Oct 20 151,200 /A

Full-Season Test
Maturity Group 2.8 - 3.2
S2018IASC44b

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
Golden Harvest	GH3088X	RRX	3.0	MR	69.1	11.1	5	161.3	\$523	1
Cornelius	CB29X90	RRX	2.9	R	68.2	11.5	1	173.2	\$516	2
NK Brand	S31-Y2X	RRX	3.1	R	67.6	11.5	1	173.2	\$512	3
Kruger	K2X-2863	RRX	2.8	R	67.3	11.2	1	113.5	\$509	4
Pioneer	P33A53X §	RRX	3.3	R	66.9	11.7	1	131.4	\$506	5
Pioneer	P29A25X §	RRX	2.9	R	66.5	11.9	1	167.3	\$503	6
Cornelius	CB28R58	RR2Y	2.8	R	66.5	12.1	2	167.3	\$503	7
Renk	RS309NSX	RRX,ST	3.0	R	66.2	11.4	1	137.4	\$501	8
FS HiSoy	HS 30X80	RRX	3.0	R	65.6	11.3	1	197.1	\$497	9
FS HiSoy	HS 29X80	RRX,ST	2.9	R	65.0	11.5	1	131.4	\$492	10
Kruger	K2X-2971	RRX	2.9	R	64.8	11.3	5	113.5	\$491	11
Pioneer	P31A22X §	RRX	3.1	R	64.8	11.5	8	179.2	\$491	12
Legend	LS 29X952N	RRX	2.9	MR	64.4	11.6	1	113.5	\$488	13
Dairyland	DSR-2909/R2Y	RR2Y	2.9	R	64.3	11.5	5	161.3	\$487	14
LG Seeds	LGS3297RX	RRX	3.2	R	64.2	11.6	1	173.2	\$486	15
LG Seeds	C2888RX	RRX	2.8	R	63.5	11.6	2	155.3	\$481	16
Pfister	32R201 §	RR2Y	3.2	R	63.3	11.7	5	173.2	\$479	17
Champion	30XS39N	RRX,ST	3.0	R	63.2	11.3	2	143.4	\$478	18
Cornelius	CB31X25	RRX	3.1	R	62.3	11.7	1	149.3	\$472	19
Titan Pro	TP 28X47	RRX	2.8	MR	61.8	11.4	1	137.4	\$468	21
Hefty	H29X8	RRX	2.9	MR	61.3	11.4	1	161.3	\$464	22
Champion	28X78N	RRX	2.8	R	61.3	11.3	4	131.4	\$464	23
Latham	L2982GT27	G27	2.9	R	60.6	11.2	8	119.5	\$459	24
Dairyland	DSR-3250/R2Y	RR2Y	3.2	R	60.3	11.4	9	155.3	\$456	25
Titan Pro	TP 32X58	RRX	3.2	MR	60.2	12.0	1	119.5	\$456	26
Golden Harvest	GH2981X	RRX	2.9	R	60.2	12.0	1	167.3	\$456	27
FS HiSoy	HS 28X70	RRX	2.8	R	59.5	11.3	1	185.2	\$450	28
Latham	L2887R2X	RRX	2.8	R	59.2	11.4	1	179.2	\$448	29
LG Seeds	LGS3140RX	RRX	3.1	R	59.1	12.0	1	161.3	\$447	30
Legend	LS 28X840N	RRX	2.8	MR	58.3	11.7	4	185.2	\$441	31
Pioneer	P25A27X CK	RRX	2.5	R	62.0	11.0	1	149.3	\$469	20

Averages = **60.9** **11.5** **3** **151.2** **\$461**

LSD (0.10) = 3.6 0.4 4.6

LSD (0.25) = 1.9 0.2 2.4

C.V. = 5.6

Prev. years avg. yield, 58.7 bu/a, 15 yrs

Yield & Income Factors: Base Moisture = 13.0% Shrink = 1.3 Drying = \$0.020 Prices = \$7.57 GMO; \$7.57 non-GMO

TEST COMMENTS: *The soil at planting was mellow with good moisture. Seedling emergence was good. At harvest, plants stood 30 to 47 inches tall with numerous pods containing small sized seed. Some varieties had dark shriveled seed, possibly Phomopsis seed decay, that impacted yield. Dennis, our host farmer, stated that the nearby elevator had reports of damaged soybeans in the area.*

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Full-Season Test Products (45 Total)

Company/Brand	Product/Brand	Technol.	Mat.	SCN	Seed Trt	Company/Brand	Product/Brand	Technol.	Mat.	SCN	Seed Trt
Asgrow	AG32X8 §	RRX	3.2	R	AC,PV						
Champion	28X78N	RRX	2.8	R	EL,IL						
Champion	30XS39N	RRX,ST	3.0	R	EL						
Champion	32X89N	RRX	3.2	R	EL						
Cornelius	CB28R58	RR2Y	2.8	R	PG+						
Cornelius	CB29X90	RRX	2.9	R	PG+						
Cornelius	CB31X25	RRX	3.1	R	PG+						
Dairyland	DSR-2909/R2Y	RR2Y	2.9	R	CMB						
Dairyland	DSR-3028/R2Y	RR2Y	3.0	MR	CMB						
Dairyland	DSR-3250/R2Y	RR2Y	3.2	R	CMB						
FS HiSoy	HS 28X70	RRX	2.8	R	ACi,IL						
FS HiSoy	HS 29X80	RRX,ST	2.9	R	ACi,IL						
FS HiSoy	HS 30X80	RRX	3.0	R	ACi,IL						
FS HiSoy	HS 32X80	RRX	3.2	R	ACi,IL						
Golden Harvest	GH2981X	RRX	2.9	R	CCB,Me						
Golden Harvest	GH3088X	RRX	3.0	MR	CCB,Me						
Hefty	H28X8	RRX	2.8	MR	DST						
Hefty	H29X8	RRX	2.9	MR	DST						
Hefty	H31X9	RRX	3.1	MR	DST						
Kruger	K2X-2863	RRX	2.8	R	AC,PV,IL						
Kruger	K2X-2971	RRX	2.9	R	AC,PV,IL						
Kruger	K2X-3271	RRX	3.2	R	AC,PV,IL						
Latham	E2895R2X	RRX	2.8	R	SS+						
Latham	L2887R2X	RRX	2.8	R	SS+						
Latham	L2982GT27	G27	2.9	R	SS+						
Latham	L3197R2X	RRX	3.1	R	SS+						
Legend	LS 28X840N	RRX	2.8	MR	YPP						
Legend	LS 29X952N	RRX	2.9	MR	YPP						
LG Seeds	C2888RX	RRX	2.8	R	ASfi,IL						
LG Seeds	C3026RX	RRX	3.0	R	ASfi,IL						
LG Seeds	LGS3140RX	RRX	3.1	R	ASfi,IL						
LG Seeds	LGS3297RX	RRX	3.2	R	ASfi,IL						
NK Brand	S30-M9X	RRX	3.0	MR	CCB,Me						
NK Brand	S31-Y2X	RRX	3.1	R	CCB,Me						
Pfister	32R201 §	RR2Y	3.2	R	CCB						
Pioneer	P25A27X CK	RRX	2.5	R	EE,G,IL,Lu						
Pioneer	P28T71X §	RRX	2.8	R	EE,G						
Pioneer	P29A25X §	RRX	2.9	R	EE,G,IL,Lu						
Pioneer	P31A22X §	RRX	3.1	R	EE,G						
Pioneer	P33A53X §	RRX	3.3	R	EE,G						
Renk	RS288NX	RRX	2.8	R	EcTC						
Renk	RS309NSX	RRX,ST	3.0	R	EcTC						
Renk	RS328NX	RRX	3.2	R	EcTC						
Titan Pro	TP 28X47	RRX	2.8	MR	IL,PV						
Titan Pro	TP 32X58	RRX	3.2	MR	IL,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.