

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

2019 Soybeans Top 30 Harvest Report

Iowa South Central [IASC] YALE, IA
Dennis Mleynek, Guthrie County, IA 50216

Early-Season Test 2.3 - 2.7 Day CRM
S2019IASC44a

Top 30 of 36 For Gross Income
(Sorted by Yield)
Average of (3) Replications

PREV. CROP/HERB: Corn / Durango DMA, Breakfree
NXT Lite, Realm Q, Bronc Triple,
atrazine, Force

SOIL DESCRIPTION: Webster-Nicollet clay loam, well
drained, non-irrigated

SOIL CONDITION: very high P, high K, 5.3 pH, 3.4%
OM, 21.2 CEC

**TILLAGE/
CULTIVATION:** No-Till

PEST MANAGEMENT: Flexstar Gt, Fusilade

Applied N-P-K (units): 0-0-0

SEEDED - RATE - ROW: Jun 5 170.0 /A 15" spacing

HARVESTED - STAND: Oct 28 167.6 /A

TEST COMMENTS:

Very uniform looking plot, with over 15 inches above normal rain fall this year the plot was able to have good drainage and perform well, dry down has been a challenge this fall and we were fortunate to have sun during harvest, plants were well matured and stood 27 to 35 inches tall, pod sets were good and large seed size, small amount of weed pressure, some varieties did show pod splits on the very top of the plants,

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
FS HISOY	HS 27X90	RRX	2.7	R	64.1	11.3	1	170.0	540	1
CREDENZ	CZ 2579GTLL	LG27	2.5	MR	63.4	11.9	1	158.7	534	2
LATHAM	L 2578 LLGT27	LG27	2.5	R	63.3	11.1	1	170.0	533	3
CHAMPION	24X98N	RRX	2.4	R	62.0	11.5	1	170.0	522	4
KRUGER	K2X-2573	RRX	2.5	R	61.8	10.8	1	170.0	520	5
TITAN PRO	23E9	E3	2.3	R	61.3	11.6	1	170.0	516	6
GENESIS	G2840E	E3	2.7	R	61.0	10.9	1	170.0	514	7
FS HISOY	HS 25X70	RRX	2.5	R	60.7	10.7	1	170.0	511	8
CHAMPION	27X90N	RRX	2.7	R	60.4	11.0	1	170.0	509	9
CORNELIUS	P3 1924E	E3	2.4	R	60.2	11.6	1	170.0	507	10
HOEGEMEYER	2781 NX	RRX	2.7	R	60.0	11.1	1	170.0	505	11
HOEGEMEYER	2540 E	E3	2.5	R	58.8	11.4	2	170.0	495	12
STINE	27EA23 §	E3	2.7	R	58.5	11.1	1	170.0	493	13
GOLDEN HARVEST	GH2788X §	RRX	2.7	R	58.5	11.1	1	170.0	493	14
LATHAM	L 2682R2X	RRX	2.6	R	58.4	11.1	1	170.0	492	15
STINE	25GA62 §	LG27	2.5	R	58.3	11.4	2	170.0	491	16
LATHAM	L 2384 R2X	RRX	2.3	R	58.2	11.0	1	170.0	490	17
RENK	RS248NX	RRX	2.4	R	57.7	11.3	1	170.0	486	18
KRUGER	K2X-2673	RRX	2.6	R	57.6	10.8	1	164.3	485	19
RENK	RS250NX	RRX	2.5	R	57.5	10.7	1	170.0	484	20
ASGROW	AG26X0 GC	RRX	2.6	R	57.5	11.1	1	170.0	484	21
ARMOR	X28E89	E3	2.7	MR	57.0	11.2	1	170.0	480	22
CREDENZ	CZ 2360GTLL	LG27	2.3	MR	56.4	11.5	1	158.7	475	23
NK BRAND	S25-V8X	RRX	2.5	MR	56.3	11.4	1	164.3	474	24
CORNELIUS	CB26E60	E3	2.6	R	55.8	11.7	1	170.0	470	25
KRUGER	K2X-2652	RRX	2.6	R	55.6	11.2	1	164.3	468	26
ARMOR	28-D68	RRX	2.7	MR	55.5	10.7	1	170.0	467	27
NK BRAND	S27-M8X §	RRX	2.7	R	54.6	11.4	1	170.0	460	28
FS HISOY	HS 26X90	RRX	2.6	R	54.0	11.2	2	170.0	455	29
FS HISOY	HS 24X80	RRX	2.4	R	53.6	10.8	1	170.0	451	30
MIDWEST	MW X2642 CK	RRX	2.6	R	50.0	11.0	1	170.0	421	35
					Averages =	56.9	11.2	1	167.6	479
					LSD (0.10) =	2.9	0.3	ns		
					LSD (0.25) =	1.5	0.2	ns		
					C.V. =	4.8				



Randy Meinsma
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Yield & Income Factors: Base Moisture = 13.0% Shrink = 1.3 Drying = \$0.03 Prices: GMO = \$8.42

Report Date: 10/31/2019

Revised:11/08/2019 (DATA CHANGE: ALL report records revised due to a data sorting problem)

Additional reports available at www.firstseedtests.com

† See last page for abbreviation descriptions. Dark colored row identifies the check product found in early- and full-season tests. **Bold** yields are significantly above test average by LSD(0.10). **Italicized** brands exceed the grain moisture limit for this test. **ns** = column values not significantly different

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2019 Soybeans Top 30 Harvest Report

Iowa South Central [IASC] YALE, IA
Dennis Mleynek, Guthrie County, IA 50216

Full-Season Test 2.8 - 3.2 Day CRM
S2019IASC44b

Top 30 of 45 For Gross Income
(Sorted by Yield)
Average of (3) Replications

PREV. CROP/HERB: Corn / Durango DMA, Breakfree
NXT Lite, Realm Q, Bronc Triple,
atrazine, Force

SOIL DESCRIPTION: Webster-Nicollet clay loam, well
drained, non-irrigated

SOIL CONDITION: very high P, high K, 5.3 pH, 3.4%
OM, 21.2 CEC

**TILLAGE/
CULTIVATION:** No-Till

PEST MANAGEMENT: Flexstar Gt, Fusilade

Applied N-P-K (units): 0-0-0

SEEDED - RATE - ROW: Jun 5 170.0 /A 15" spacing

HARVESTED - STAND: Oct 28 169.2 /A

TEST COMMENTS:

Very uniform looking plot, with over 15 inches above normal rain fall this year the plot was able to have good drainage and perform well, dry down has been a challenge this fall and we were fortunate to have sun during harvest, plants were well matured and stood 27 to 35 inches tall, pod sets were good and large seed size, small amount of weed pressure, some varieties did show pod splits on the very top of the plants,

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
CORNELIUS	P3 2029E	E3	2.9	R	73.0	11.5	1	170.0	615	1
TITAN PRO	28E8	E3	2.8	R	66.3	11.2	1	170.0	558	2
CREDENZ	CZ 3100GTLL	LG27	3.1	MR	66.3	12.4	1	170.0	558	3
CORNELIUS	P3 2028B	LG27	2.8	R	65.5	11.3	1	170.0	552	4
HOEGEMEYER	2820 E	E3	2.8	R	65.3	11.5	2	161.5	550	5
CHAMPION	28X78N	RRX	2.8	R	64.7	11.5	2	170.0	545	6
ASGROW	AG28X9 §	RRX	2.8	R	64.6	11.4	1	170.0	544	7
CHAMPION	32X40N	RRX	3.2	R	64.5	12.2	1	170.0	543	8
FS HISOY	HS 29X80	RRX,ST	2.9	R	63.7	12.1	1	170.0	536	9
GENESIS	G3140ES	E3	3.1	R	63.4	12.0	1	170.0	534	10
CORNELIUS	CB29X90	RRX	2.9	R	63.2	11.7	1	170.0	532	11
HOEGEMEYER	3030 E	E3	3.0	R	62.6	11.7	1	170.0	527	12
HOEGEMEYER	3120 E GC	E3	3.1	R	62.4	12.3	1	170.0	525	13
CHAMPION	3220EN	E3	3.2	R	62.3	12.0	2	170.0	525	14
CORNELIUS	P3 2031E	E3	3.1	R	62.2	12.2	1	170.0	524	15
LATHAM	L 3179 LLGT27	LG27	3.1	R	61.8	11.8	2	170.0	520	16
TITAN PRO	30E9	E3	3.0	R	61.6	11.9	1	170.0	519	17
KRUGER	K2X-3271	RRX	3.2	R	61.4	12.0	1	170.0	517	18
RENK	RS309NSX	RRX	3.0	R	61.4	11.4	1	170.0	517	19
KRUGER	K2X-2971	RRX	2.9	R	61.4	11.4	1	170.0	517	20
FS HISOY	HS 32X90	RRX	3.2	R	61.4	12.5	1	170.0	517	21
CREDENZ	CZ 2889GTLL	LG27	2.8	MR	61.4	11.4	1	170.0	517	22
ARMOR	X30E39	E3	3.0	MR	61.0	11.9	2	170.0	514	23
GOLDEN HARVEST	GH3195X	RRX	3.1	R	60.6	11.0	1	170.0	510	24
CREDENZ	CZ 3099GTLL	LG27	3.0	R	60.1	11.9	2	170.0	506	25
ASGROW	AG29X9 §	RRX	2.9	R	59.9	11.3	1	170.0	504	26
ARMOR	X31D09	RRX	3.1	MR	59.5	11.9	1	164.3	501	27
NK BRAND	S30-M9X	RRX	3.0	MR	59.4	11.2	6	170.0	500	28
GOLDEN HARVEST	GH3088X §	RRX	3.0	MR	58.8	11.6	1	170.0	495	29
LATHAM	L 3192 E3	E3	3.1	R	58.6	12.0	2	170.0	493	30
MIDWEST	MW X2642 CK	RRX	2.6	R	56.6	11.0	1	170.0	477	37

Averages = **60.2** **11.8** **1** **169.2** **507**

LSD (0.10) = 3.1 0.4 ns

LSD (0.25) = 1.7 0.2 ns

C.V. = 5.0



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Yield & Income Factors: Base Moisture = 13.0% Shrink = 1.3 Drying = \$0.03 Prices: GMO = \$8.42

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2019 Soybeans - Iowa South Central [IASC]

Early-Season Test Products (36 Total)

Company/Brand	Product/Brand	Technology	SCN	RM
ARMOR	28-D68	RRX	MR	2.7
ARMOR	X28E89	E3	MR	2.7
ASGROW	AG26X0 GC	RRX	R	2.6
CHAMPION	2460GTLL	LG27	R	2.4
CHAMPION	24X98N	RRX	R	2.4
CHAMPION	2590EN	E3	R	2.5
CHAMPION	27X90N	RRX	R	2.7
CORNELIUS	CB26E60	E3	R	2.6
CORNELIUS	P3 1924E	E3	R	2.4
CREDENZ	CZ 2360GTLL	LG27	MR	2.3
CREDENZ	CZ 2579GTLL	LG27	MR	2.5
FS HISOY	HS 24X80	RRX	R	2.4
FS HISOY	HS 25X70	RRX	R	2.5
FS HISOY	HS 26X90	RRX	R	2.6
FS HISOY	HS 27X90	RRX	R	2.7
GENESIS	G2840E	E3	R	2.7
GOLDEN HARVEST	GH2230X	RRX	R	2.2
GOLDEN HARVEST	GH2788X §	RRX	R	2.7
HOEGEMEYER	2540 E	E3	R	2.5
HOEGEMEYER	2781 NX	RRX	R	2.7
KRUGER	K2X-2573	RRX	R	2.5
KRUGER	K2X-2652	RRX	R	2.6
KRUGER	K2X-2673	RRX	R	2.6
LATHAM	L 2384 R2X	RRX	R	2.3
LATHAM	L 2429 E3	E3	R	2.4
LATHAM	L 2578 LLGT27	LG27	R	2.5
LATHAM	L 2682R2X	RRX	R	2.6
MIDWEST	MW X2642 CK	RRX	R	2.6
NK BRAND	S25-V8X	RRX	MR	2.5
NK BRAND	S27-M8X §	RRX	R	2.7
PIONEER	P25A27X §	RRX	R	2.5
RENK	RS248NX	RRX	R	2.4
RENK	RS250NX	RRX	R	2.5
STINE	25GA62 §	LG27	R	2.5
STINE	27EA23 §	E3	R	2.7
TITAN PRO	23E9	E3	R	2.3

2019 Soybeans - Iowa South Central [IASC]

Full-Season Test Products (45 Total)

Company/Brand	Product/Brand	Technology	SCN	RM
ARMOR	X30E39	E3	MR	3.0
ARMOR	X31D09	RRX	MR	3.1
ARMOR	X32D29	RRX,ST	MR	3.2
ARMOR	X32E59	E3	MR	3.2
ASGROW	AG28X9 §	RRX	R	2.8
ASGROW	AG29X9 §	RRX	R	2.9
ASGROW	AG31X0 §	RRX	R	3.1
CHAMPION	2820GTLL	LG27	R	2.8
CHAMPION	28X78N	RRX	R	2.8
CHAMPION	3220EN	E3	R	3.2
CHAMPION	32X40N	RRX	R	3.2
CORNELIUS	CB29X90	RRX	R	2.9
CORNELIUS	P3 2028B	LG27	R	2.8
CORNELIUS	P3 2029E	E3	R	2.9
CORNELIUS	P3 2031E	E3	R	3.1
CREDENZ	CZ 2889GTLL	LG27	MR	2.8
CREDENZ	CZ 3099GTLL	LG27	R	3.0
CREDENZ	CZ 3100GTLL	LG27	MR	3.1
FS HISOY	HS 28X70	RRX	R	2.8
FS HISOY	HS 29X80	RRX,ST	R	2.9
FS HISOY	HS 31X60	RRX	R	3.1
FS HISOY	HS 32X90	RRX	R	3.2
GENESIS	G3140ES	E3	R	3.1
GOLDEN HARVEST	GH3088X §	RRX	MR	3.0
GOLDEN HARVEST	GH3195X	RRX	R	3.1
HOEGEMEYER	2820 E	E3	R	2.8
HOEGEMEYER	3030 E	E3	R	3.0
HOEGEMEYER	3120 E GC	E3	R	3.1
KRUGER	K2X-2863	RRX	R	2.8
KRUGER	K2X-2971	RRX	R	2.9
KRUGER	K2X-3271	RRX	R	3.2
LATHAM	L 2839 LLGT27	LG27	R	2.8
LATHAM	L 2949 E3	E3	R	2.9
LATHAM	L 3179 LLGT27	LG27	R	3.1
LATHAM	L 3192 E3	E3	R	3.1
MIDWEST	MW X2642 CK	RRX	R	2.6

Company/Brand	Brand/Product	Technology	RM	SCN
NK BRAND	S30-M9X	RRX	MR	3.0
NK BRAND	S31-Y2X	RRX	R	3.1
PIONEER	P29A25X §	RRX	R	2.9
PIONEER	P31A22X §	RRX	R	3.1
RENK	RS280NX	RRX	R	2.8
RENK	RS309NSX	RRX	R	3.0
TITAN PRO	28E8	E3	R	2.8
TITAN PRO	30E9	E3	R	3.0
TITAN PRO	32E9	E3	R	3.2

Footnotes and Abbreviations Descriptions

Brand Footnotes

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 Cyst Nematode (SCN) Resistance Rating

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

Soybeans Technologies*

E3	Enlist E3™
LG27 or G27	LibertyLink® 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
