

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

2019 Soybeans Top 30 Harvest Report

Iowa South Central [IASC] CENTRAL CITY, IA

Jim Greif, Linn County, IA 52310

Early-Season Test	2.3 - 2.7 Day CRM S2019IASC41a
Top 30 of 36	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Corn / Force, Roundup, Verdict, Armezon, Headline
SOIL DESCRIPTION:	Kenyon-Donnan loam, well drained, non-irrigated
SOIL CONDITION:	very high P, very high K, 4.9 pH, 2.5% OM, 11.8 CEC
TILLAGE/CULTIVATION:	No-Till
PEST MANAGEMENT:	Zidua Pro, Marvel
Applied N-P-K (units):	0-0-0
SEEDED - RATE - ROW:	Jun 2 170.0 /A 15" spacing
HARVESTED - STAND:	Nov 8 169.1 /A

TEST COMMENTS:

This site was delayed in planting due to wet soil. Once planted, it emerged well with plants standing 28 to 32 inches tall. Pod sets were far apart and seed size was very small. Harvest also was delayed due to seed not drying down. During harvest, snow could be seen on the ground between rows. Some volunteer corn was scattered throughout the plot. Yields show that the plot dealt with stress all year.

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
HOEGEMEYER	2540 E	E3	2.5	R	63.0	12.4	1	170.0	530	1
LATHAM	L 2578 LLGT27	LG27	2.5	R	62.6	12.7	1	170.0	527	2
FS HISOY	HS 26X90	RRX	2.6	R	59.1	12.1	1	170.0	498	3
KRUGER	K2X-2573	RRX	2.5	R	58.7	12.2	1	170.0	494	4
LATHAM	L 2682R2X	RRX	2.6	R	56.4	13.1	1	170.0	475	5
ARMOR	X28E89	E3	2.7	MR	56.2	12.9	1	170.0	473	6
STINE	25GA62 §	LG27	2.5	R	54.5	12.2	1	170.0	459	7
GOLDEN HARVEST	GH2230X	RRX	2.2	R	53.8	12.0	1	170.0	453	8
CREDENZ	CZ 2579GTLL	LG27	2.5	MR	53.7	12.9	1	170.0	452	9
ARMOR	28-D68	RRX	2.7	MR	53.5	13.1	1	170.0	450	10
GENESIS	G2840E	E3	2.7	R	53.4	12.5	1	170.0	450	11
<i>RENK</i>	<i>RS248NX</i>	<i>RRX</i>	2.4	R	<i>53.4</i>	<i>13.5</i>	<i>1</i>	<i>170.0</i>	<i>449</i>	<i>12</i>
FS HISOY	HS 25X70	RRX	2.5	R	52.9	12.5	1	170.0	445	13
LATHAM	L 2384 R2X	RRX	2.3	R	52.7	12.8	1	170.0	444	14
CORNELIUS	P3 1924E	E3	2.4	R	52.7	12.6	1	170.0	444	15
NK BRAND	S27-M8X §	RRX	2.7	R	52.0	12.1	1	167.2	438	16
KRUGER	K2X-2652	RRX	2.6	R	51.5	12.5	2	170.0	434	17
CHAMPION	2460GTLL	LG27	2.4	R	51.3	12.5	1	170.0	432	18
HOEGEMEYER	2781 NX	RRX	2.7	R	51.1	12.9	1	167.2	430	19
CHAMPION	2590EN	E3	2.5	R	50.6	12.8	1	170.0	426	20
CORNELIUS	CB26E60	E3	2.6	R	50.1	13.1	1	170.0	422	21
NK BRAND	S25-V8X	RRX	2.5	MR	49.9	12.3	1	170.0	420	22
ASGROW	AG26X0 GC	RRX	2.6	R	49.6	12.1	1	170.0	418	23
FS HISOY	HS 27X90	RRX	2.7	R	49.5	12.8	1	164.3	417	24
GOLDEN HARVEST	GH2788X §	RRX	2.7	R	48.8	13.1	1	170.0	411	25
CREDENZ	CZ 2360GTLL	LG27	2.3	MR	48.8	12.4	1	170.0	411	26
RENK	RS250NX	RRX	2.5	R	48.6	12.9	1	170.0	409	27
KRUGER	K2X-2673	RRX	2.6	R	48.2	12.0	1	167.2	406	28
TITAN PRO	23E9	E3	2.3	R	48.1	12.8	1	170.0	405	29
LATHAM	L 2429 E3	E3	2.4	R	48.1	12.9	1	170.0	405	30
MIDWEST	MW X2642 CK	RRX	2.6	R	42.3	12.3	1	167.2	356	35
					Averages =	51.2	12.6	1	169.1	431
					LSD (0.10) =	3.9	0.4	ns		
					LSD (0.25) =	2.0	0.2	ns		
					C.V. =	7.2				



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: 11/10/2019

† 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] CENTRAL CITY, IA
Jim Greif, Linn County, IA 52310

Full-Season Test	2.8 - 3.2 Day CRM S2019IASC41b
Top 30 of 45	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Corn / Force, Roundup, Verdict, Armezon, Headline
SOIL DESCRIPTION:	Kenyon-Donnan loam, well drained, non-irrigated
SOIL CONDITION:	very high P, very high K, 4.9 pH, 2.5% OM, 11.8 CEC
TILLAGE/CULTIVATION:	No-Till
PEST MANAGEMENT:	Zidua Pro, Marvel
Applied N-P-K (units):	0-0-0
SEEDED - RATE - ROW:	Jun 2 170.0 /A 15" spacing
HARVESTED - STAND:	Nov 8 168.7 /A

TEST COMMENTS:

This site was delayed in planting due to wet soil. Once planted, it emerged well with plants standing 28 to 32 inches tall. Pod sets were far apart and seed size was very small. Harvest also was delayed due to seed not drying down. During harvest, snow could be seen on the ground between rows. Some volunteer corn was scattered throughout the plot. Yields show that the plot dealt with stress all year.

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
HOEGEMEYER	3120 E GC	E3	3.1	R	62.4	12.4	1	170.0	525	1
GENESIS	G3140ES	E3	3.1	R	61.1	13.0	1	170.0	514	2
HOEGEMEYER	2820 E	E3	2.8	R	52.7	12.2	1	170.0	444	3
TITAN PRO	28E8	E3	2.8	R	52.4	12.5	1	170.0	441	4
TITAN PRO	30E9	E3	3.0	R	52.2	12.8	1	170.0	440	5
NK BRAND	S30-M9X	RRX	3.0	MR	51.5	12.1	1	170.0	434	6
HOEGEMEYER	3030 E	E3	3.0	R	51.3	12.3	1	170.0	432	7
CHAMPION	2820GTLL	LG27	2.8	R	51.0	12.8	1	170.0	429	8
GOLDEN HARVEST	GH3088X §	RRX	3.0	MR	50.7	12.5	1	170.0	427	9
CORNELIUS	P3 2028B	LG27	2.8	R	49.7	12.3	1	170.0	418	10
ARMOR	X30E39	E3	3.0	MR	49.4	12.3	1	170.0	416	11
CORNELIUS	P3 2029E	E3	2.9	R	48.3	12.8	1	170.0	407	12
RENK	RS309NSX	RRX	3.0	R	48.0	12.5	1	170.0	404	13
LATHAM	L 2949 E3	E3	2.9	R	48.0	12.6	1	170.0	404	14
ASGROW	AG28X9 §	RRX	2.8	R	47.6	12.2	1	170.0	401	15
LATHAM	L 3179 LLGT27	LG27	3.1	R	47.0	13.2	1	170.0	395	16
CHAMPION	32X40N	RRX	3.2	R	46.0	12.2	1	167.2	387	17
RENK	RS280NX	RRX	2.8	R	46.0	12.4	1	170.0	387	18
ARMOR	X32E59	E3	3.2	MR	45.4	12.7	1	170.0	382	19
TITAN PRO	32E9	E3	3.2	R	45.3	13.1	1	170.0	381	20
CORNELIUS	P3 2031E	E3	3.1	R	45.1	12.5	1	170.0	380	21
ASGROW	AG29X9 §	RRX	2.9	R	44.8	12.0	1	170.0	377	22
ARMOR	X31D09	RRX	3.1	MR	44.4	12.4	1	170.0	374	23
CHAMPION	28X78N	RRX	2.8	R	43.8	12.5	1	170.0	369	24
CREDENZ	CZ 3100GTLL	LG27	3.1	MR	42.9	12.6	1	170.0	361	26
CHAMPION	3220EN	E3	3.2	R	42.9	12.5	1	170.0	361	27
LATHAM	L 2839 LLGT27	LG27	2.8	R	42.3	12.8	1	170.0	356	28
LATHAM	L 3192 E3	E3	3.1	R	42.1	12.7	1	170.0	354	29
FS HISOY	HS 28X70	RRX	2.8	R	41.7	12.8	1	170.0	351	30
CORNELIUS	CB29X90	RRX	2.9	R	41.6	12.3	1	170.0	350	31
MIDWEST	MW X2642 CK	RRX	2.6	R	43.5	12.6	1	167.2	366	25
					Averages =	44.5	12.6	1	168.7	374
					LSD (0.10) =	3.6	ns	ns		
					LSD (0.25) =	1.9	ns	ns		
					C.V. =	7.7				



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

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
