

2019 Soybeans Top 30 Performance Summary for Iowa North Central [IANC]

Early-Season Test

2.1 - 2.5 Day CRM

S2019IANCa

Top 30 of 48

For Gross Income (Sorted by Yield), (12) Replication Average

Company/Brand	Product/Brand	Technol.†	RM	SCN	Yield Bu/A	Moisture %	Lodging %	Gross Income \$/Acre	Rank	Iowa Falls	Laurens	Moorland	Waterloo	
PIONEER	P21A28X GC	RRX	2.1	R	61.2	11.4	1	521	1	60.8	62.3	58.9	62.9	
HEFTY	H23X0	RRX	2.3	R	61.2	11.5	1	520	2	62.1	59.6	57.2	65.9	
CHAMPION	24X98N	RRX	2.4	R	61.1	12.0	1	520	3	60.6	60.6	59.8	63.6	
ASGROW	AG20X9 §	RRX	2.0	R	61.0	11.4	1	518	4	65.2	61.0	57.6	60.1	
CORNELIUS	CB24X64	RRX	2.4	R	60.6	12.1	1	515	5	61.8	59.0	55.2	66.3	
GOLDEN HARVEST	GH2230X	RRX	2.2	R	59.9	11.2	1	509	6	61.5	59.3	57.3	61.5	
CHAMPION	21X99N §	RRX	2.1	R	59.9	11.3	1	509	7	60.3	55.3	57.9	66.1	
ARMOR	X25D59	RRX	2.5	MR	59.6	11.5	1	506	8	59.1	61.1	53.2	64.9	
NK BRAND	S21-W8X §	RRX	2.1	R	59.4	11.3	1	505	9	59.5	59.4	55.1	63.8	
HEFTY	H25X0	RRX	2.5	R	59.3	11.7	1	504	10	61.8	61.1	50.5	63.8	
CHAMPION	2190EN	E3	2.1	R	59.2	11.6	1	503	11	63.2	54.0	53.3	66.4	
NK BRAND	S25-V8X	RRX	2.5	MR	59.1	12.4	1	502	14	58.5	57.8	50.5	69.7	
CORNELIUS	P3 2022B	LG27	2.2	R	59.1	11.6	1	503	12	59.0	57.5	57.9	62.0	
TITAN PRO	22E8	E3	2.2	R	59.1	11.5	1	502	13	63.8	56.0	52.9	63.6	
GOLDEN HARVEST	GH2041X §	RRX	2.0	R	59.1	11.3	1	502	15	60.1	57.9	55.7	62.5	
STINE	25GA62 §	LG27	2.5	R	58.9	11.6	1	501	16	58.3	57.9	55.2	64.1	
RENK	RS248NX	RRX	2.4	R	58.7	12.0	1	498	17	59.1	58.2	53.7	63.7	
CHAMPION	2220GTLL	LG27	2.2	R	58.5	11.4	1	497	18	58.5	57.0	55.5	62.8	
GOLDEN HARVEST	GH2552X	RRX	2.5	MR	58.3	12.1	1	496	19	58.3	56.7	54.4	63.9	
TITAN PRO	23E9	E3	2.3	R	58.2	11.9	1	495	20	65.2	55.4	48.3	63.9	
KRUGER	K2X-2573	RRX	2.5	R	58.2	11.8	1	494	21	63.7	55.7	52.7	60.6	
CREDENZ	CZ 2360GTLL	LG27	2.3	MR	58.1	11.6	1	494	22	57.0	61.0	50.3	64.1	
PIONEER	P24A99X §	RRX	2.4	R	58.0	11.6	1	493	23	59.6	53.4	54.5	64.6	
KRUGER	K2X-2172	RRX	2.1	R	58.0	11.4	1	493	24	53.9	57.4	57.6	63.0	
HOEGEMEYER	2540 E	E3	2.5	R	57.9	11.5	1	492	25	61.1	57.8	54.6	58.2	
TITAN PRO	24GL9	LG27	2.4	R	57.8	11.9	1	492	27	62.4	56.9	50.1	61.9	
GENESIS	G2181GL	LG27	2.2	R	57.8	11.6	1	492	26	62.2	56.1	52.7	60.2	
LATHAM	L 2178 LLGT27	LG27	2.1	R	57.8	11.5	4	491	28	60.3	55.6	51.3	63.9	
HEFTY	Z2300E	E3	2.3	R	57.5	11.5	1	489	29	60.3	59.8	50.2	59.6	
RENK	RS250NX	RRX	2.5	R	57.5	11.9	1	488	30	59.1	58.2	51.3	61.3	
CROPLAN	R2C2450 CK	RR2Y	2.4	R	56.4	11.6	1	480	1	60.2	55.9	47.8	61.9	
					Averages =	57.4	11.6	1	488		58.9	56.6	52.3	61.9
					LSD (0.10) =	2.7	0.3	1			3.4	2.4	3.3	2.6
					LSD (0.25) =	1.4	0.2	0			1.8	1.2	1.7	1.3

Corey Rozenboom

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Yield & Income Factors:

Base Moisture = 13.0%

Shrink = 1.3

Drying = \$0.02

Prices: GMO = \$8.50

† 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

2019 Soybeans Top 30 Performance Summary for Iowa North Central [IANC]



Full-Season Test

2.6 - 2.9 Day CRM

S2019IANCb

Top 30 of 48

For Gross Income (Sorted by Yield), (12) Replication Average

Company/Brand	Product/Brand	Technol.†	RM	SCN	Yield Bu/A	Moisture %	Lodging %	Gross Income \$/Acre	Rank	Iowa Falls	Laurens	Moorland	Waterloo
RENK	RS280NX	RRX	2.8	R	63.2	13.5	1	536	1	64.8	67.4	54.2	66.5
HEFTY	Z2700E	E3	2.7	R	61.7	12.7	1	524	2	65.8	64.1	50.9	66.1
CHAMPION	27X90N	RRX	2.7	R	61.6	13.9	1	521	4	55.4	65.5	57.7	67.7
PIONEER	P27A17X	RRX	2.7	R	61.5	12.6	1	522	3	55.5	66.3	54.2	70.0
FS HISOY	HS 27X90	RRX	2.7	R	61.4	13.6	1	521	5	57.6	68.2	51.5	68.3
GENESIS	G2840E	E3	2.7	R	61.3	12.7	1	520	6	63.1	63.3	51.7	67.1
FS HISOY	HS 29X80	RRX,ST	2.9	R	61.1	13.4	1	518	7	58.8	65.7	53.2	66.5
LEGEND	LS 29X052N	RRX	2.9	R	61.0	13.4	1	517	8	61.2	62.6	53.2	67.0
HEFTY	H28X0	RRX	2.8	R	61.0	13.5	1	517	9	57.8	64.2	52.9	69.0
NK BRAND	S29-K3X	RRX	2.9	R	60.7	13.5	1	514	11	64.6	62.2	50.3	65.6
CORNELIUS	P3 1928E	E3	2.8	R	60.6	13.0	1	515	10	65.5	64.3	45.4	67.4
GOLDEN HARVEST	GH2788X §	RRX	2.7	R	60.4	12.0	1	514	12	66.0	61.4	50.7	63.6
ARMOR	28-D68	RRX	2.7	MR	60.0	12.4	1	510	13	65.1	61.4	49.6	63.9
ARMOR	X28E89	E3	2.7	MR	59.9	12.2	1	509	14	61.2	64.6	44.0	69.9
TITAN PRO	28GL9	LG27	2.8	R	59.7	13.0	1	506	15	59.1	65.3	45.6	68.8
CREDENZ	CZ 2830GTLL GC	LG27	2.8	R	59.5	13.1	1	505	17	59.1	63.4	47.8	67.8
PIONEER	P25A70R	RR	2.5	R	59.4	12.4	1	505	16	58.5	65.0	50.1	64.2
ASGROW	AG27X0 §	RRX	2.7	R	59.4	12.5	1	504	18	58.9	63.6	50.2	65.0
LEGEND	LS 29LGT907N	LG27	2.9	R	59.4	13.5	1	503	20	63.5	58.8	47.2	67.9
CREDENZ	CZ 2579GTLL	LG27	2.5	MR	59.3	12.7	4	503	19	61.7	61.0	49.4	65.1
LATHAM	L 2682R2X	RRX	2.6	R	59.1	12.5	1	502	21	68.1	60.3	44.6	63.4
CHAMPION	2889EN	E3	2.8	R	59.0	12.8	1	501	23	59.3	65.0	47.4	64.4
ASGROW	AG26X0 §	RRX	2.6	R	59.0	12.0	1	502	22	62.9	59.5	48.7	64.9
GOLDEN HARVEST	GH2981X	RRX	2.9	R	58.7	13.3	1	498	25	54.0	61.4	54.2	65.1
KRUGER	K2X-2673	RRX	2.6	R	58.6	11.7	1	498	24	59.1	61.5	48.8	65.1
TITAN PRO	28E8	E3	2.8	R	58.6	13.0	1	497	26	57.2	64.0	46.4	67.0
CORNELIUS	CB27X81	RRX	2.7	R	58.5	12.8	1	497	27	58.0	60.7	49.4	66.0
LATHAM	L 2887R2X	RRX	2.8	R	58.4	12.6	1	496	28	56.9	61.5	48.2	67.1
CHAMPION	2820GTLL	LG27	2.8	R	58.3	12.6	1	495	30	54.0	62.7	49.1	67.5
NK BRAND	S27-M8X	RRX	2.7	R	58.3	11.8	1	496	29	63.0	60.9	47.1	62.1
CROPLAN	R2C2450 CK	RR2Y	2.4	R	56.3	11.4	1	478	1	61.8	57.4	44.7	61.1

Corey Rozenboom

Averages =	58.9	12.9	1	500	58.5	62.5	48.9	65.6
LSD (0.10) =	2.9	0.6	2		3.5	2.4	3.1	1.7
LSD (0.25) =	1.5	0.3	1		1.8	1.2	1.6	0.9

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Yield & Income Factors:

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† 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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Report Date: 10/22/2019 Revised:

Early-Season Test Products (48 Total)

Company/Brand	Brand/Product	Technology	SCN	RM
ARMOR	X21E99	E3	MR	2.1
ARMOR	X23E09	E3	MR	2.3
ARMOR	X25D59	RRX	MR	2.5
ASGROW	AG20X9 §	RRX	R	2.0
CHAMPION	2190EN	E3	R	2.1
CHAMPION	21X99N §	RRX	R	2.1
CHAMPION	2220GTLL	LG27	R	2.2
CHAMPION	24X98N	RRX	R	2.4
CORNELIUS	CB24X64	RRX	R	2.4
CORNELIUS	P3 2022B	LG27	R	2.2
CORNELIUS	P3 2023E	E3	R	2.3
CREDENZ	CZ 2040GTLL	LG27	R	2.0
CREDENZ	CZ 2360GTLL	LG27	MR	2.3
CREDENZ	CZ 2550GTLL	LG27	MR	2.5
CROPLAN	R2C2450 CK	RR2Y	R	2.4
FS HISOY	HS 21X90	RRX	R	2.1
FS HISOY	HS 22X90	RRX	R	2.2
FS HISOY	HS 23X70	RRX	R	2.3
FS HISOY	HS 24X80	RRX	R	2.4
GENESIS	G2181GL	LG27	R	2.2
GENESIS	G2340E	E3	R	2.3
GOLDEN HARVEST	GH2041X §	RRX	R	2.0
GOLDEN HARVEST	GH2230X	RRX	R	2.2
GOLDEN HARVEST	GH2552X	RRX	MR	2.5
HEFTY	H23X0	RRX	R	2.3
HEFTY	H25E0	E3	R	2.5
HEFTY	H25X0	RRX	R	2.5
HEFTY	Z2300E	E3	R	2.3
HOEGEMEYER	2202 NX	RRX	R	2.2
HOEGEMEYER	2540 E	E3	R	2.5
KRUGER	K2X-2172	RRX	R	2.1
KRUGER	K2X-2283	RRX	R	2.2
KRUGER	K2X-2573	RRX	R	2.5
LATHAM	L 2178 LLGT27	LG27	R	2.1
LATHAM	L 2429 E3	E3	R	2.4
LATHAM	L 2482R2	RR2Y	R	2.4

Company/Brand	Brand/Product	Technology	RM	SCN
LATHAM	L 2597 E3	E3	R	2.5
NK BRAND	S21-W8X §	RRX	R	2.1
NK BRAND	S25-V8X	RRX	MR	2.5
PIONEER	P21A28X GC	RRX	R	2.1
PIONEER	P24A99X §	RRX	R	2.4
RENK	RS248NX	RRX	R	2.4
RENK	RS250NX	RRX	R	2.5
STINE	25GA62 §	LG27	R	2.5
TITAN PRO	22E8	E3	R	2.2
TITAN PRO	23E9	E3	R	2.3
TITAN PRO	24GL9	LG27	R	2.4
TITAN PRO	TP-24X87	RRX	R	2.4

Full-Season Test Products (48 Total)

Company/Brand	Brand/Product	Technology	SCN	RM
ARMOR	28-D68	RRX	MR	2.7
ARMOR	X28E89	E3	MR	2.7
ASGROW	AG26X0 §	RRX	R	2.6
ASGROW	AG27X0 §	RRX	R	2.7
ASGROW	AG29X9 §	RRX	R	2.9
CHAMPION	27X90N	RRX	R	2.7
CHAMPION	2820GTLL	LG27	R	2.8
CHAMPION	2889EN	E3	R	2.8
CHAMPION	28X78N	RRX	R	2.8
CORNELIUS	CB26E60	E3	R	2.6
CORNELIUS	CB26X78	RRX	R	2.6
CORNELIUS	CB27X81	RRX	R	2.7
CORNELIUS	P3 1928E	E3	R	2.8
CREDENZ	CZ 2579GTLL	LG27	MR	2.5
CREDENZ	CZ 2830GTLL GC	LG27	R	2.8
CREDENZ	CZ 2889GTLL	LG27	MR	2.8
CROPLAN	R2C2450 CK	RR2Y	R	2.4
FS HISOY	HS 26X90	RRX	R	2.6
FS HISOY	HS 27X90	RRX	R	2.7
FS HISOY	HS 28X70	RRX	R	2.8
FS HISOY	HS 29X80	RRX,ST	R	2.9
GENESIS	G2840E	E3	R	2.7
GOLDEN HARVEST	GH2788X §	RRX	R	2.7
GOLDEN HARVEST	GH2981X	RRX	R	2.9
HEFTY	H28X0	RRX	R	2.8
HEFTY	Z2700E	E3	R	2.7
HEFTY	Z2900E	E3	R	2.9
KRUGER	K2X-2652	RRX	R	2.6
KRUGER	K2X-2673	RRX	R	2.6
KRUGER	K2X-2863	RRX	R	2.8
KRUGER	K2X-2971	RRX	R	2.9
LATHAM	L 2682R2X	RRX	R	2.6
LATHAM	L 2839 LLGT27	LG27	R	2.8
LATHAM	L 2887R2X	RRX	R	2.8
LATHAM	L 2949 E3	E3	R	2.9
LEGEND	LS 25X924N	RRX	MR	2.5

Company/Brand	Brand/Product	Technology	RM	SCN
LEGEND	LS 28X840N	RRX	MR	2.8
LEGEND	LS 29LGT907N	LG27	R	2.9
LEGEND	LS 29X052N	RRX	R	2.9
NK BRAND	S27-M8X	RRX	R	2.7
NK BRAND	S29-K3X	RRX	R	2.9
PIONEER	P25A70R	RR	R	2.5
PIONEER	P27A17X	RRX	R	2.7
RENK	RS280NX	RRX	R	2.8
STINE	27EA23 §	E3	R	2.7
TITAN PRO	28E8	E3	R	2.8
TITAN PRO	28GL9	LG27	R	2.8
TITAN PRO	TP-28X47	RRX	R	2.8

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™
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