

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



Test by: North Iowa F.I.R.S.T., Inc. Sanborn, IA

Early-Season Test

101 - 106 Day CRM

B2019IANCa

Top 30 of 72

For Gross Income (Sorted by Yield), (18) Replication Average

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A	Moisture %	Lodging %	Gross Income \$/Acre	Rank	Britt	Greene	Iowa Falls	Osage	Plymouth	Waterloo
TITAN PRO	96-06 2P	VT2P,B	106	240.2	20.6	5	879	1	242.3	251.7	228.9	236.2	235.5	246.9
WYFFELS	W2506RIB	VT2P,B	101	234.0	19.5	13	862	2	254.2	253.6	196.4	258.6	201.3	239.6
LATHAM	LH5487VT2PRIB	VT2P,B	104	233.8	20.2	10	857	3	227.2	244.4	227.9	250.6	202.1	250.5
WYFFELS	W4358RIB	STX,B	106	233.3	20.9	6	852	4	237.2	239.4	223.9	237.6	206.4	255.0
PROHARVEST	6746SS	STX	106	231.7	21.3	4	844	6	244.2	233.2	235.5	245.4	191.1	241.0
TITAN PRO	TP 70-06	None	106	230.8	21.3	4	840	8	239.4	253.9	212.9	253.7	196.1	229.0
NUTECH	65H2Q	QR,B	105	230.7	20.4	3	845	5	238.2	244.7	230.2	223.9	206.9	240.3
HEFTY	H5522VT2PRIB	VT2P,B	105	230.2	20.3	10	844	7	237.6	238.0	238.8	248.2	191.8	226.5
FS INVISION	FS 5594X RIB	STX,B	105	229.2	21.0	5	836	11	243.7	232.3	223.9	245.0	197.6	232.5
CORNELIUS	C478DP	VT2P	106	229.2	20.4	4	840	9	234.1	256.2	228.5	218.0	203.9	234.2
CHAMPION	53A19SSRIB	STX,B	103	228.3	20.9	16	834	15	238.9	250.5	235.6	226.5	187.4	230.6
CORNELIUS	C6438DP	VT2P	104	228.1	20.5	9	836	13	234.3	240.1	260.7	231.5	174.3	227.8
EPLEY	E1503VT2P	VT2P	105	228.1	20.3	8	836	12	235.1	238.9	212.4	245.0	198.4	238.6
RENK	RK737SSTX	STX,B	106	227.4	21.6	6	827	20	244.0	243.4	224.4	235.6	181.8	234.7
KRUGER	K4R-9706	STX,B	106	227.2	21.9	7	825	23	256.6	238.2	242.0	241.2	141.8	243.6
RENK	RK642VT2P	VT2P,B	103	227.2	19.5	8	838	10	234.5	228.0	216.7	245.2	199.6	239.0
LATHAM	LH5245VT2PRIB	VT2P,B	102	226.9	19.7	13	835	14	237.2	232.4	213.8	238.2	181.5	258.1
CHAMPION	56A18VT2PRORIB	VT2P,B	106	226.9	20.5	5	831	18	233.9	230.8	221.4	223.6	226.2	225.3
HEFTY	H5432VT2P	VT2P	104	226.9	20.2	9	832	16	244.1	240.3	217.7	248.5	189.2	221.4
VIKING	84-05	None	105	226.3	20.5	15	829	19	240.8	223.9	214.5	249.2	180.5	248.7
CORNELIUS	C385DP	VT2P	103	225.5	19.5	12	832	17	244.9	270.2	201.6	226.3	166.9	243.0
ARMOR	X9105B	VT2P	105	225.2	20.5	7	825	22	234.6	233.8	229.7	243.8	181.4	227.6
KRUGER	K4R-9704	STX,B	104	224.7	20.1	6	825	21	239.2	222.3	232.3	245.0	157.4	251.9
CHAMPION	53A20 VT2 PRO	VT2P,B	103	224.6	20.6	8	822	26	230.6	239.4	221.5	234.6	183.0	238.7
TITAN PRO	82-04 2P	VT2P,B	104	224.3	20.2	7	823	25	235.3	240.0	218.6	247.8	154.5	249.4
LATHAM	LH5377VT2PRIB	VT2P,B	100	224.1	20.4	8	821	27	228.7	233.9	216.5	243.8	199.9	221.6
ARMOR	X9105	VT2P	106	224.1	20.6	2	820	28	225.6	242.8	232.7	241.0	169.3	233.1
EPLEY	E1330	None	103	223.2	19.3	9	824	24	242.7	249.7	211.3	241.1	175.8	218.7
KRUGER	K0109SS	STX,B	101	223.2	20.0	6	820	29	232.5	237.4	216.4	230.9	192.3	229.4
INTEGRA	5280	STX,B	102	222.5	20.3	4	816	31	235.7	226.4	223.4	233.0	179.2	237.2
PIONEER	P0589AMXT CK	AMXT,AQ,B	105	224.7	21.0	5	820	1	238.0	245.3	218.5	230.9	177.1	238.2

	Averages =	218.7	20.5	9	801	229.1	234.1	207.4	231.5	177.3	233.0
	LSD (0.10) =	7.6	0.4	5		10.6	8.4	14.6	12.9	12.8	9.3
	LSD (0.25) =	4.0	0.2	3		5.5	4.4	7.7	6.8	6.7	4.9

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Yield & Income Factors: Base Moisture = 15.0% Shrink = 1.3 Drying = \$0.03 Prices: GMO = \$3.80

† 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 Corn Grain Top 30 Performance Summary for Iowa North Central [IANC]

Full-Season Test

107 - 110 Day CRM

B2019IANCb

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For Gross Income (Sorted by Yield), (18) Replication Average

Company/Brand	Product/Brand	Technol.t	RM	Yield Bu/A	Moisture %	Lodging %	Gross Income \$/Acre	Rank	Britt	Greene	Iowa Falls	Osage	Plymouth	Waterloo
HEFTY	H5812VT2PRIB	VT2P,B	108	239.5	21.1	8	874	1	253.7	255.8	240.9	245.3	193.5	248.1
WYFFELS	W5516RIB	VT2P,B	108	238.8	22.5	7	863	4	257.0	260.8	243.2	246.2	158.9	266.6
INTEGRA	5939	STX,B	109	238.7	22.1	10	864	3	247.4	251.0	221.7	257.3	199.3	255.7
KRUGER	K0915DD	VT2P,DG,B	109	238.3	22.4	11	861	5	251.1	243.8	233.4	252.5	198.5	250.4
HEFTY	H5832VT2P	VT2P	108	237.6	21.2	7	866	2	262.9	254.9	234.2	241.7	179.9	252.0
LATHAM	LH5847VT2PRIB	VT2P,B	108	237.2	23.5	8	852	8	258.8	242.8	249.0	223.7	193.6	255.0
CORNELIUS	C633DP	VT2P	110	236.3	22.0	5	857	7	247.8	251.6	223.5	248.8	175.5	270.4
RENK	RK765VT2P	VT2P	108	235.9	21.2	3	860	6	243.9	257.0	241.0	223.9	200.4	249.3
WYFFELS	W6408RIB	STX,B	110	234.6	23.9	6	839	11	252.3	251.4	233.5	241.3	182.9	246.5
CHAMPION	60A20 VT2 PRO	VT2P,B	110	233.2	23.7	7	836	14	243.6	255.6	238.7	233.0	176.0	252.1
ARMOR	X9107A	STX	107	231.7	22.3	7	839	12	261.9	255.9	210.6	225.1	183.9	252.5
RENK	RK763VT2P	VT2P,B	108	231.1	20.8	12	845	9	247.8	242.7	239.0	231.5	173.0	252.5
WYFFELS	W5086	VT2P	107	230.7	21.7	3	839	13	248.3	255.7	219.3	206.5	199.3	255.0
EPLEY	E1730	None	107	230.5	20.8	7	843	10	245.1	243.3	240.2	237.6	179.2	237.6
INTEGRA	5770	STX	107	230.3	22.1	14	835	15	249.6	251.1	226.8	248.4	162.5	243.4
LATHAM	LH5965VT2PRIB	VT2P,B	109	228.7	23.7	9	819	24	253.1	234.0	214.1	236.5	187.6	246.9
CHAMPION	57A19VT2PRORIB	VT2P,B	107	228.7	21.5	7	832	16	242.8	236.7	239.9	227.0	162.5	263.0
INTEGRA	CX901110	VT2P	110	228.6	23.5	13	820	23	259.1	249.8	241.9	221.7	172.5	226.7
ARMOR	X9110	VT2P	108	228.5	23.4	6	821	22	260.6	240.4	232.9	227.2	167.0	242.7
KRUGER	K0716SS	STX,B	107	227.8	22.8	9	821	21	251.0	241.4	224.4	246.1	160.8	243.1
FS INVISION	FS 58G00	None	108	227.7	22.1	10	824	20	243.5	252.2	205.5	249.9	172.5	242.4
LATHAM	LH5769SSRIB	STX,B	107	227.7	22.1	13	825	19	244.5	257.6	215.4	250.2	169.8	228.5
HEFTY	H5734SS	STX	107	227.5	21.4	11	828	17	239.5	248.8	213.5	240.5	173.2	249.4
LATHAM	LH5725VT2PRIB	VT2P,B	107	227.4	21.4	11	827	18	245.1	255.8	227.5	234.2	153.6	248.1
BECKS	6049V2P GC	VT2P,B	110	226.7	23.2	10	815	28	253.7	235.7	243.7	209.0	171.7	246.3
KRUGER	K0917SS	STX,B	109	226.6	22.7	20	817	25	231.6	244.8	218.3	244.5	172.3	247.7
CHAMPION	58A18VT2PRORIB	VT2P,B	108	225.5	22.9	9	812	31	235.8	236.9	228.3	240.2	172.0	239.6
LATHAM	LH5740	None	107	224.8	22.1	7	814	29	235.6	252.6	203.9	234.0	179.2	243.4
INTEGRA	5719	VT2P,B	107	224.4	21.4	4	817	26	232.2	246.3	246.7	225.7	147.2	248.4
VIKING	48-08	None	108	224.4	22.1	5	813	30	244.0	250.8	185.4	244.2	176.4	245.5
PIONEER	P0589AMXT CK	AMXT,AQ,B	105	223.7	21.1	11	816	1	236.3	245.9	221.2	229.4	174.0	235.6

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Averages =	221.3	22.6	13	799	237.2	241.2	212.7	225.8	167.8	243.4
LSD (0.10) =	7.5	0.5	7		10.0	9.1	15.7	13.9	12.1	9.1
LSD (0.25) =	3.9	0.3	3		5.2	4.8	8.2	7.3	6.3	4.8

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Yield & Income Factors:

Base Moisture = 15.0%

Shrink = 1.3

Drying = \$0.03

Prices: GMO = \$3.80

† 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.

Early-Season Test Products (72 Total)

Company/Brand	Product/Brand	Technology	RM
ARMOR	X9101A	VT2P	101
ARMOR	X9105	VT2P	106
ARMOR	X9105B	VT2P	105
AUGUSTA	A3054	3110	104
CHAMPION	53A19SSRIB	STX,B	103
CHAMPION	53A20 VT2 PRO	VT2P,B	103
CHAMPION	55A20 3220 EZ	3220,B	105
CHAMPION	56A18VT2PRORIB	VT2P,B	106
CORNELIUS	C385DP	VT2P	103
CORNELIUS	C478DP	VT2P	106
CORNELIUS	C6438DP	VT2P	104
DEKALB	DKC54-38RIB GC	STX,B	104
EPLEY	E1330	None	103
EPLEY	E1503VT2P	VT2P	105
FS INVISION	FS 51QX1 RIB	STX,B	101
FS INVISION	FS 53ZX1 RIB	STX,B	103
FS INVISION	FS 5594X RIB	STX,B	105
FS INVISION	FS 55RL1 EZR	3220,B	105
GOLDEN HARVEST	G02K39-3120-EZR	3120,B	102
GOLDEN HARVEST	G03R40-3110	3110	103
GOLDEN HARVEST	G05K08-3010A-EXR	3010,A	105
HEFTY	H5132VT2P	VT2P	101
HEFTY	H5302VT2PRIB	VT2P,B	103
HEFTY	H5432VT2P	VT2P	104
HEFTY	H5504SSRIB	STX,B	105
HEFTY	H5522VT2PRIB	VT2P,B	105
INTEGRA	5280	STX,B	102
INTEGRA	5529	STX,B	105
KRUGER	K0109SS	STX,B	101
KRUGER	K0518DD	VT2P,DG,B	105
KRUGER	K4R-9704	STX,B	104
KRUGER	K4R-9706	STX,B	106
KRUGER	K4R-9802	STX,B	102
LATHAM	LH5160	None	101
LATHAM	LH5245VT2PRIB	VT2P,B	102
LATHAM	LH5377VT2PRIB	VT2P,B	100

Company/Brand	Brand/Product	Technology	RM
LATHAM	LH5487VT2PRIB	VT2P,B	104
LATHAM	LH5635VT2PRIB	VT2P,B	106
LEGEND	LR9701GENSSRIB	STX,B	101
LEGEND	LR9804GENSSRIB	STX,B	104
LEGEND	LR9903GENSSRIB	STX,B	103
NK BRAND	NK0243-3120-EZR	3120,B	102
NK BRAND	NK0472-3110	3110	104
NK BRAND	NK0602-3120-EZR	3120,B	106
NUTECH	5F-601AM	AM,B	100
NUTECH	64D1AM	AM,B	104
NUTECH	65H2Q	QR,B	105
NUTECH	66B6Q	QR,B	106
NUTECH	E62F1Q	QR,B	102
PIONEER	P0157AMXT GC	AMXT,AQ,B	101
PIONEER	P0339AMXT GC	AMXT,AQ,B	103
PIONEER	P0589AMXT CK	AMXT,AQ,B	105
PROHARVEST	6258SS	STX	102
PROHARVEST	6746SS	STX	106
RENK	RK621VT2P	VT2P	102
RENK	RK626SSTX	STX	102
RENK	RK642VT2P	VT2P,B	103
RENK	RK710DGVT2P	VT2P,DG,B	106
RENK	RK737SSTX	STX,B	106
TITAN PRO	82-04 2P	VT2P,B	104
TITAN PRO	91-02	None	102
TITAN PRO	96-06 2P	VT2P,B	106
TITAN PRO	TP 40-03	None	103
TITAN PRO	TP 70-06	None	106
VIKING	42-05	None	105
VIKING	51-04	None	104
VIKING	55-02	None	102
VIKING	84-05	None	105
WYFFELS	W2506RIB	VT2P,B	101
WYFFELS	W3488RIB	STX,B	104
WYFFELS	W4196RIB	VT2P,B	105
WYFFELS	W4358RIB	STX,B	106

Full-Season Test Products (66 Total)

Company/Brand	Product/Brand	Technology	RM
ARMOR	X9107A	STX	107
ARMOR	X9110	VT2P	108
AUGUSTA	A1059	3110	109
BECKS	5765AMXT GC	AMXT,B	107
BECKS	6049V2P GC	VT2P,B	110
CHAMPION	57A19VT2PRORIB	VT2P,B	107
CHAMPION	58A18VT2PRORIB	VT2P,B	108
CHAMPION	59A20 3220 EZ	3220,B	109
CHAMPION	60A20 VT2 PRO	VT2P,B	110
CORNELIUS	6869	None	108
CORNELIUS	C573DP	VT2P	108
CORNELIUS	C633DP	VT2P	110
DEKALB	DKC58-34RIB GC	STX,B	108
DEKALB	DKC60-88RIB GC	VT2P,B	110
EPLEY	E1730	None	107
EPLEY	E1800	None	108
FS INVISION	FS 57ZX1 RIB	STX,B	107
FS INVISION	FS 58G00	None	108
FS INVISION	FS 58RL1 EZR	3220,B	108
FS INVISION	FS 59VL1 EZR	3220,B	109
FS INVISION	FS 60UX1 RIB	STX,B	110
GOLDEN HARVEST	G08D29-3120A-EZR	3120,A,B	108
GOLDEN HARVEST	G08M20-3120-EZR	3120,B	108
GOLDEN HARVEST	G10L16-3330A-EZR	3330,A,B	110
HEFTY	H5734SS	STX	107
HEFTY	H5812VT2PRIB	VT2P,B	108
HEFTY	H5832VT2P	VT2P	108
HEFTY	H5922VT2PRIB	VT2P,B	109
INTEGRA	5719	VT2P,B	107
INTEGRA	5770	STX	107
INTEGRA	5939	STX,B	109
INTEGRA	CX901110	VT2P	110
KRUGER	K0716SS	STX,B	107
KRUGER	K0807SS	STX,B	108
KRUGER	K0915DD	VT2P,DG,B	109
KRUGER	K0917SS	STX,B	109

Company/Brand	Brand/Product	Technology	RM
KRUGER	K1005DP	VT2P,B	110
LATHAM	LH5725VT2PRIB	VT2P,B	107
LATHAM	LH5740	None	107
LATHAM	LH5769SSRIB	STX,B	107
LATHAM	LH5847VT2PRIB	VT2P,B	108
LATHAM	LH5965VT2PRIB	VT2P,B	109
LEGEND	LR9809VT2PRIB	VT2P,B	109
LEGEND	LR99A093120ARIB	3120,A,B	109
NK BRAND	NK0821-3120A	3120,A,B	108
NK BRAND	NK0886-3120-EZR	3120,B	108
NUTECH	5FB-8808AM	AM,B	108
NUTECH	5FB-9909AM	AM,B	109
NUTECH	68B3AML	OL,B	108
NUTECH	69A6Q	QR,B	109
NUTECH	70B2Q	QR,B	110
PIONEER	P0589AMXT CK	AMXT,AQ,B	105
PIONEER	P0919AM GC	AM,B	109
PIONEER	P1197AM GC	AM,B	111
PROHARVEST	6828SS	STX	107
PROHARVEST	8052SS	STX	109
RENK	RK763VT2P	VT2P,B	108
RENK	RK765VT2P	VT2P	108
RENK	RK779SSSTX	STX,B	108
TITAN PRO	91-07	None	107
TITAN PRO	98-10 2P	VT2P	110
VIKING	48-08	None	108
WYFFELS	W4638	STX	107
WYFFELS	W5086	VT2P	107
WYFFELS	W5516RIB	VT2P,B	108
WYFFELS	W6408RIB	STX,B	110

Footnotes and Abbreviations Descriptions

Brand Footnotes

[^] Innotech™ brand seed is distributed by Rob-See-Co, LLC. Power Plus® brand seed is distributed by Burrus. Innotech™ is a trademark of Syngenta. Power Plus® is a registered trademark of Corteva Agriscience.

CK Identifies a check product included in early- and full-season tests.

GC Grower Comparison product included by FIRST when space permits.

Corn Grain Technologies*

3010	Agrisure® 3010 (CB,LL,GT)	GT	Agrisure® GT
3011,A	Agrisure® Artesian® (CB,RW,LL,GT)	HX	Herculex® 1, contains LL
3110	Agrisure® Viptera® 3110 (Vip, CB,LL,GT)	HXRW	Herculex® Rootworm, contains LL
3111	Agrisure® Viptera® 3111 (Vip, CB,RW,LL,GT)	HXT	Herculex® Xtra (HX,HXRW,LL)
3120	Agrisure® 3120 (CB,HX,LL,GT)	LL	LibertyLink®
3122	Agrisure® 3122 (CB,HXX,RW,LL,GT)	None	conventional corn
3220	Agrisure® Viptera® 3220 (Vip, CB,HX,LL,GT)	OI	Optimum® Intrasect®, YHR (YGCB,HX,LL,RR2)
3330	Agrisure® Viptera® 3330 (Vip, CB,HX,LL,GT)	OIX	Optimum® Intrasect® Xtra, YXR (YGCB,HXT,LL,RR2)
A	Agrisure® Artesian®	OIXT	Optimum® Intrasect® Xtreme (YGCB,HXT,RW,LL,RR2)
AM	Optimum® AcreMax® (YGCB,HX,LL,RR2)	PC	PowerCore™ (HX, VT2P)
AMT	Optimum® AcreMax® TRIssect (HX,RW,LL,RR2)	RR2	Roundup Ready® 2 Corn
AMX	Optimum® AcreMax® Xtra (YGCB,HXT,LL,RR2)	RW	Agrisure® Rootworm
AMXT	Optimum® AcreMax® Xtreme (YGCB,HXT,RW,LL,RR2)	STX	SmartStax® (VT3P,HXT,RR2,LL)
AQ	Optimum® AQUAMax®	TRE	Genuity® Trecepta™
B	Refuge blend product	VT2P	Genuity® VT Double PRO®
CB	Agrisure® Corn Borer	VT3P	Genuity® VT Triple PRO®
DG	Genuity® DroughtGard®	YGCB	YieldGard® Corn Borer
E	Enlist™ (2,4-D, glyphosate, fop herbicide tolerance)		

* The refuge component genetics may vary in a refuge blend seed product.