

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

2019 Corn Grain Top 30 Harvest Report

Iowa Northwest [IANW] EMMETSBURG, IA
Tom Kuecker, Palo Alto County, IA 50528

Early-Season Test	101 - 106 Day CRM B2019IANW05a
Top 30 of 72	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Soybean / Authority First, Engenia, Bue5, Outlook, Fusilade.
SOIL DESCRIPTION:	Nicollet clay loam, moderately drained, non-irrigated
SOIL CONDITION:	Conventional W/ Fall Till, very high P, medium K, 6.4 pH, 4.5% OM, 27.4 CEC
PEST MANAGEMENT:	Brawl-Generic Dual, Armezon Pro, Trio, Generic Quadris, Vt-Boron, Headline Amp
FERTILITY - Applied N:	125.0 Fall, 47 Spring
Applied N-P-K (units):	172-86-72
SEEDED - RATE - ROW:	May 6 39.0 /A 30" spacing
HARVESTED - STAND:	Oct 22 37.1 /A

TEST COMMENTS:

This field is maintained at very high fertility and has a history of producing great yields. Highest yield potential for a few hybrids in this plot may have been limited by high wind that caused some green snap earlier in the season. For corn that endured the wind without green snap, moisture throughout the season was consistent, if not excessive. 24.5" fell from planting through Oct 1. That is 4.5" over the 30 year average for this area.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
CHAMPION	53A20 VT2 PRO	VT2P,B	103	285.8	20.5	2	34.5	1047	1
CORNELIUS	C6438DP	VT2P	104	282.8	19.0	3	35.8	1046	2
LATHAM	LH5517VT2PRIB	VT2P,B	105	278.7	21.9	2	37.8	1011	4
HOEGEMEYER	7209 AM	AM,B	102	275.8	19.8	2	35.8	1015	3
VIKING	42-05	None	105	275.0	23.2	2	38.5	989	10
TITAN PRO	TP 70-06	None	106	274.4	21.8	2	37.8	996	9
KRUGER	K4R-9704	STX,B	104	274.3	21.1	2	37.8	1001	5
KRUGER	K0518DD	VT2P,DG,B	105	273.9	21.4	2	37.8	997	8
TITAN PRO	96-06 2P	VT2P,B	106	272.5	20.3	2	37.2	999	7
NK BRAND	NK0243-3120-EZR	3120,B	102	271.7	19.7	4	33.2	1000	6
RENK	RK710DGVT2P	VT2P,DG,B	106	271.2	21.3	2	38.5	988	11
<i>KRUGER</i>	<i>K4R-9706</i>	<i>STX,B</i>	<i>106</i>	270.4	23.4	2	37.8	971	21
DEKALB	DKC50-08RIB GC	STX,B	100	268.9	20.3	2	37.8	986	12
EPLEY	E1503VT2P	VT2P	105	268.8	20.3	2	37.8	986	13
EPLEY	E1330	None	103	267.6	19.7	2	37.8	985	14
WYFFELS	W4358RIB	STX,B	106	266.6	21.4	2	37.8	970	22
HEFTY	H5132VT2P	VT2P	101	265.2	19.8	1	37.8	976	18
HOEGEMEYER	7159 Q	QR,B	101	264.7	19.1	1	37.8	979	16
WYFFELS	W2506RIB	VT2P,B	101	264.3	19.6	1	38.5	974	19
LATHAM	LH5245VT2PRIB	VT2P,B	102	264.1	18.7	2	38.5	979	17
RENK	RK737SSTX	STX,B	106	263.7	20.6	1	38.5	965	23
GOLDEN HARVEST	G02K39-3120-EZR	3120,B	102	263.4	19.4	18	31.9	972	20
INTEGRA	5280	STX,B	102	263.4	21.5	2	37.8	958	27
LATHAM	LH5487VT2PRIB	VT2P,B	104	263.3	21.3	2	37.8	959	25
HEFTY	H5622VT2PRIB	VT2P,B	106	263.3	21.6	1	38.5	957	30
CHAMPION	56A18VT2PRORIB	VT2P,B	106	262.7	21.8	2	37.1	954	31
FS INVISION	FS 53ZX1 RIB	STX,B	103	262.3	20.6	2	37.8	960	24
HEFTY	H5522VT2PRIB	VT2P,B	105	262.3	21.1	6	37.8	957	29
FS INVISION	FS 5594X RIB	STX,B	105	262.2	20.9	1	37.8	958	26
WYFFELS	W3488RIB	STX,B	104	261.3	20.3	2	34.5	958	28
PIONEER	P0589AMXT CK	AMXT,AQ,B	105	267.8	20.5	2	37.8	981	15

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Averages = **257.3** **21.0** **3** **37.1** **939**
LSD (0.10) = 12.0 1.0 7
LSD (0.25) = 6.3 0.5 4
C.V. = 4.4

Yield & Income Factors: Base Moisture = 15.0% Shrink = 1.3 Drying = \$0.025 Prices: GMO = \$3.80

Report Date: 10/23/2019

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 exceeded the grain moisture limit for this test. **ns** = column values not significantly different

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2019 Corn Grain Top 30 Harvest Report

Iowa Northwest [IANW] EMMETSBURG, IA
Tom Kuecker, Palo Alto County, IA 50528

Full-Season Test	107 - 110 Day CRM B2019IANW05b
Top 30 of 66	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Soybean / Authority First, Engenia, Bue5, Outlook, Fusilade.
SOIL DESCRIPTION:	Nicollet clay loam, moderately drained, non-irrigated
SOIL CONDITION:	Conventional W/ Fall Till, very high P, medium K, 6.4 pH, 4.5% OM, 27.4 CEC
PEST MANAGEMENT:	Brawl-Generic Dual, Armezon Pro, Trio, Generic Quadris, Vt-Boron, Headline Amp
FERTILITY - Applied N:	125.0 Fall, 47 Spring
Applied N-P-K (units):	172-86-72
SEEDED - RATE - ROW:	May 6 39.0 /A 30" spacing
HARVESTED - STAND:	Oct 22 36.8 /A

TEST COMMENTS:

This field is maintained at very high fertility and has a history of producing great yields. Highest yield potential for a few hybrids in this plot may have been limited by high wind that caused some green snap earlier in the season. For corn that endured the wind without green snap, moisture throughout the season was consistent, if not excessive. 24.5" fell from planting through Oct 1. That is 4.5" over the 30 year average for this area.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
LATHAM	LH5965VT2PRIB	VT2P,B	109	268.9	25.7	19	35.8	950	2
LATHAM	LH5847VT2PRIB	VT2P,B	108	267.0	25.3	2	37.8	946	3
MILLER HYBRIDS	M09-01	None	109	266.4	25.1	3	38.5	945	4
HOEGEMEYER	7955 AML	AML,B	109	265.3	25.3	2	36.5	940	5
CORNELIUS	C633DP	VT2P	110	261.1	24.2	2	38.5	932	8
KRUGER	K0917SS	STX,B	109	260.5	25.3	4	35.2	923	12
HEFTY	H5734SS	STX	107	260.1	23.5	1	38.5	933	6
LATHAM	LH5740	None	107	259.2	23.0	2	34.5	933	7
LATHAM	LH5725VT2PRIB	VT2P,B	107	258.5	23.4	2	37.8	928	9
BECKS	5765AMXT GC	AMXT,B	107	257.9	23.8	2	37.2	923	10
INTEGRA	5719	VT2P,B	107	257.3	23.5	2	35.8	923	11
TITAN PRO	94-09 2P	VT2P,B	109	257.0	26.0	1	37.8	906	16
PIONEER	P0919AM GC	AM,B	109	255.0	24.3	4	37.8	910	13
WYFFELS	W5516RIB	VT2P,B	108	254.5	23.9	2	37.8	910	14
LATHAM	LH5769SSRIB	STX,B	107	254.0	24.1	1	37.2	908	15
INTEGRA	5939	STX,B	109	253.0	24.0	1	38.5	904	17
WYFFELS	W5086	VT2P	107	250.5	23.5	4	35.2	898	18
WYFFELS	W5626RIB	VT2P,B	108	249.5	25.6	2	36.5	882	24
INTEGRA	5770	STX	107	249.0	23.3	1	38.5	895	19
HEFTY	H5812VT2PRIB	VT2P,B	108	248.7	23.2	1	37.1	894	20
WYFFELS	W6408RIB	STX,B	110	248.2	24.7	1	38.5	883	22
HOEGEMEYER	7760 AM	AM,B	107	247.7	23.2	2	36.5	891	21
CHAMPION	59A20 3220 EZ	3220,B	109	247.4	26.9	5	35.8	866	29
HOEGEMEYER	7886 AM	AM,B	108	246.1	25.6	1	35.2	870	28
HEFTY	H5832VT2P	VT2P	108	245.4	23.2	5	36.5	882	23
FS INVISION	FS 60UX1 RIB	STX,B	110	245.3	24.1	1	37.8	877	25
CORNELIUS	C573DP	VT2P	108	243.8	23.4	2	37.8	875	27
VIKING	48-08	None	108	243.2	23.0	4	34.5	876	26
FS INVISION	FS 58RL1 EZR	3220,B	108	242.1	26.0	2	37.8	853	31
KRUGER	K0807SS	STX,B	108	241.3	25.3	1	37.8	855	30
PIONEER	P0589AMXT CK	AMXT,AQ,B	105	265.1	20.7	1	37.8	970	1
				Averages =	232.0	24.7	5	36.8	826
				LSD (0.10) =	15.1	1.1	12		
				LSD (0.25) =	7.9	0.6	6		
				C.V. =	6.2				

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Yield & Income Factors: Base Moisture = 15.0% Shrink = 1.3 Drying = \$0.025 Prices: GMO = \$3.80

Report Date: 10/23/2019

† 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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Early-Season Test Products (72 Total)

Company/Brand	Product/Brand	Technology	RM
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	C461SS	STX	106
CORNELIUS	C478DP	VT2P	106
CORNELIUS	C6438DP	VT2P	104
DEKALB	DKC50-08RIB GC	STX,B	100
DEKALB	DKC51-38RIB GC	STX,B	101
DEKALB	DKC54-38RIB GC	STX,B	104
DEKALB	DKC54-74RIB GC	VT2P,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	H5212VT2PRIB	VT2P,B	102
HEFTY	H5504SSRIB	STX,B	105
HEFTY	H5522VT2PRIB	VT2P,B	105
HEFTY	H5622VT2PRIB	VT2P,B	106
HOEGEMEYER	7159 Q	QR,B	101
HOEGEMEYER	7209 AM	AM,B	102
HOEGEMEYER	7402 AM	AM,B	104
HOEGEMEYER	7692 Q	QR,B	106
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

Company/Brand	Brand/Product	Technology	RM
KRUGER	K4R-9802	STX,B	102
LATHAM	LH5160	None	101
LATHAM	LH5245VT2PRIB	VT2P,B	102
LATHAM	LH5487VT2PRIB	VT2P,B	104
LATHAM	LH5517VT2PRIB	VT2P,B	105
LATHAM	LH5635VT2PRIB	VT2P,B	106
LEGEND	LR9701GENSSRIB	STX,B	101
LEGEND	LR9804GENSSRIB	STX,B	104
LEGEND	LR9903GENSSRIB	STX,B	103
MILLER HYBRIDS	M06-27	None	106
MILLER HYBRIDS	M06-39	None	106
NK BRAND	NK0243-3120-EZR	3120,B	102
NK BRAND	NK0472-3110	3110	104
NK BRAND	NK0602-3120-EZR	3120,B	106
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	RK710DGV2P	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
AUGUSTA	A4858	3010,B	108
BECKS	5765AMXT GC	AMXT,B	107
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	C573DP	VT2P	108
CORNELIUS	C575DP	VT2P	109
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	G08M20-3120-EZR	3120,B	108
GOLDEN HARVEST	G09Y24-3220A-EZR	3220,A,B	109
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
HOEGEMEYER	7760 AM	AM,B	107
HOEGEMEYER	7886 AM	AM,B	108
HOEGEMEYER	7955 AML	AML,B	109
HOEGEMEYER	8028 AM	AM,B	110
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

Company/Brand	Brand/Product	Technology	RM
KRUGER	K0917SS	STX,B	109
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
MILLER HYBRIDS	M08-41	None	108
MILLER HYBRIDS	M09-01	None	109
NK BRAND	NK0821-3120A	3120,A,B	108
NK BRAND	NK0886-3120-EZR	3120,B	108
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	RK779SSTX	STX,B	108
TITAN PRO	91-07	None	107
TITAN PRO	94-09 2P	VT2P,B	109
TITAN PRO	98-10 2P	VT2P	110
VIKING	48-08	None	108
WYFFELS	W5086	VT2P	107
WYFFELS	W5516RIB	VT2P,B	108
WYFFELS	W5626RIB	VT2P,B	108
WYFFELS	W6408RIB	STX,B	110
WYFFELS	W6826	VT2P	111

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 Technologies*

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

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