

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

2020 Corn Grain Top 30 Harvest Report

Iowa Northwest [IANW] ALBERT CITY, IA
Nathan Schumann, Buena Vista County, IA 50510

Early-Season Test	101 - 106 Day CRM B2020IANW02a
Top 30 of 66	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Corn / Accuron
SOIL DESCRIPTION:	Canisteo clay loam, moderately drained, non-irrigated
SOIL CONDITION:	Conventional W/O Fall Till, very high P, medium K, 7.2 pH, 4.3% OM, 22.4 CEC
PEST MANAGEMENT:	Accuron
FERTILITY - Applied N:	225 Fall
Applied N-P-K (units):	225-90-155
SEEDED - RATE - ROW:	Apr 30 38.0 /A 30" spacing
HARVESTED - STAND:	Sep 29 37.0 /A

TEST COMMENTS:

Some of the most severe drought conditions in Iowa extended into Buena Vista county. This trial is located within a D2 level drought, and the impact on yield was quite apparent. From 5/1 to 9/15, this field ended 5.4" under the 30-yr average. Corn-on-corn fields in the area struggled to produce at moderate levels, and this one was no different. Pollination of ears appeared to be good, however, kernel depth was shallow.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
VIKING	51-04	CONV	104	208.8	14.9	8	37.8	710	1
NK BRAND	NK0472-5222-EZR	5222,B	104	203.5	15.2	0	37.2	691	2
TITAN PRO	24-04	E	104	194.5	14.7	0	35.8	661	3
FS INVISION	FS 53ZX1 RIB	STX,B	103	193.8	14.5	1	36.5	659	4
GOLDEN HARVEST	G03R40-5222-EZR	5222,B	103	186.9	15.1	13	37.8	635	6
MILLER HYBRIDS	M05-72	CONV	105	177.5	14.6	0	35.2	604	7
RENK	RK726H	PC	106	173.0	14.3	0	36.5	588	8
DEKALB	DKC52-34RIB GC	STX,B	102	170.5	14.5	3	36.5	580	9
PIONEER	P0339Q GC	QR,B	103	168.0	14.3	0	37.1	571	10
LATHAM	LH 5635 VT2P RIB	VT2P,B	106	166.2	14.3	0	37.1	565	11
HOEGEMEYER	7159Q	QR,B	101	165.5	14.1	0	37.8	563	12
EPLEY	E1213VIP3110	3110	102	164.0	14.7	0	37.8	558	13
HI FIDELITY GENETICS	EXP2025	CONV	106	163.7	14.2	1	37.1	557	14
RENK	RK695GTCBLLBL	3220	102	163.3	14.4	0	37.8	555	15
GOLDEN HARVEST	G05K08-5122A-EZR	5122A,B	105	162.7	14.0	0	37.8	553	16
INTEGRA	5529 VT2PRIB	VT2P,B	105	161.5	14.6	0	36.5	549	17
KRUGER	K0626DP	VT2P,B	106	161.4	14.8	0	37.1	549	18
CORNELIUS	C6401SS	STX	104	160.8	14.4	0	37.8	547	19
NK BRAND	NK0624-5222-EZR	5222,B	106	160.4	14.5	70	37.1	545	20
WYFFELS	W3018	STX	102	159.3	14.2	0	37.1	542	21
WYFFELS	W4246	VT2P	105	157.9	14.3	0	37.8	537	22
VIKING	42-05	CONV	105	156.1	14.4	11	34.5	531	23
PIONEER	P0157AMXT GC	AMXT,AQ,B	101	155.3	14.3	0	37.8	528	24
KRUGER	K0358SS	STX,B	103	154.9	14.5	0	37.1	527	25
FS INVISION	FS 55RL1 EZR	3220,B	105	154.5	14.0	30	36.5	525	26
TITAN PRO	26-03 5222	5222,B	103	153.9	15.1	8	37.8	523	27
HOEGEMEYER	7402AM	AM,B	104	152.7	14.6	0	35.8	519	28
VIKING	84-05	CONV	105	152.2	14.7	5	37.1	517	29
HOEGEMEYER	7209AM	AM,B	102	151.4	14.0	0	33.9	515	30
VIKING	55-02	CONV	102	151.2	15.0	0	36.5	514	31
PIONEER	P0589AMXT CK	AMXT,AQ,B	105	187.9	14.5	0	37.8	639	5
				Averages =	149.1	14.4	5	37.0	507
				LSD (0.10) =	17.3	0.2	11		
				LSD (0.25) =	9.1	0.1	6		
				C.V. =	11.0				
								Historic yield: 220.6 bu/a, 6 yr(s)	

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Yield & Income Factors:

Base Moisture = 15.0% Shrink = 1.3 Drying = \$0.025 Prices: GMO = \$3.40

Report Date: 09/30/2020

† 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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2020 Corn Grain Top 30 Harvest Report

Iowa Northwest [IANW] ALBERT CITY, IA
Nathan Schumann, Buena Vista County, IA 50510

Full-Season Test	107 - 110 Day CRM B2020IANW02b
Top 30 of 55	For Gross Income (Sorted by Yield) Average of (3) Replications
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SOIL CONDITION:	Conventional W/O Fall Till, very high P, medium K, 7.2 pH, 4.3% OM, 22.4 CEC
PEST MANAGEMENT:	Accuron
FERTILITY - Applied N:	225 Fall
Applied N-P-K (units):	225-90-155
SEEDED - RATE - ROW:	Apr 30 38.0 /A 30" spacing
HARVESTED - STAND:	Sep 29 37.0 /A

TEST COMMENTS:

Some of the most severe drought conditions in Iowa extended into Buena Vista county. This trial is located within a D2 level drought, and the impact on yield was quite apparent. From 5/1 to 9/15, this field ended 5.4" under the 30-yr average. Corn-on-corn fields in the area struggled to produce at moderate levels, and this one was no different. Pollination of ears appeared to be good, however, kernel depth was shallow.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
HOEGEMEYER	7869AM	AM,B	108	239.5	18.5	0	37.8	794	1
RENK	RK700SSTX	STX	107	216.8	14.4	1	36.5	737	2
NK BRAND	NK0821-5122A-EZR	5122A,B	108	203.7	16.7	3	37.1	684	3
KRUGER	K0915DD	VT2PDG,B	109	198.3	14.4	0	37.1	674	4
HI FIDELITY GENETICS	HFG1092	CONV	109	198.2	15.0	1	37.1	674	5
VIKING	48-08	CONV	108	196.5	14.3	0	37.8	668	6
INTEGRA	5770 STXRIB	STX,B	107	196.4	15.6	3	37.8	665	7
EPLEY	E1800	CONV	108	194.7	14.3	0	36.5	662	8
MILLER HYBRIDS	M09-01	CONV	109	194.4	15.1	0	37.1	660	10
KRUGER	K0807SS	STX,B	108	194.4	14.4	0	37.1	661	9
MILLER HYBRIDS	M09-54	CONV	109	191.1	14.8	0	37.1	650	12
GOLDEN HARVEST	G10L16-5222A-EZR	5222A,B	110	188.5	17.3	0	36.5	630	15
HEFTY	H6024SSRIB	STX,B	110	188.3	15.6	1	37.1	637	14
LATHAM	LH 5965 VT2P RIB	VT2P,B	109	187.9	14.3	0	37.8	639	13
HEFTY	H5812VT2PRIB	VT2P,B	108	185.4	14.4	0	37.8	630	16
MILLER HYBRIDS	M10-74	CONV	110	184.3	15.7	0	35.8	624	18
CORNELIUS	C633DP	VT2P	110	184.3	15.0	3	37.1	627	17
HOEGEMEYER	8084AM	AM,B	110	177.4	16.4	0	36.5	597	19
NK BRAND	NK1082-5222A-EZR	5222A,B	110	176.9	16.0	0	37.1	597	20
GOLDEN HARVEST	G08D29-5122A-EZR	5122A,B	108	176.2	15.4	0	37.8	597	21
WYFFELS	W6978	STX	111	175.9	15.2	3	37.8	597	22
LATHAM	LH 5725 VT2P RIB	VT2P,B	107	173.1	14.6	0	35.8	589	23
FS INVISION	FS 5892V RIB	VT2P,B	108	172.2	14.6	3	36.5	585	24
FS INVISION	FS 58RL1 EZR	3220,B	108	170.4	15.1	5	37.8	579	25
KRUGER	K0708DT	TRE,B	107	169.9	14.4	0	37.8	578	26
HI FIDELITY GENETICS	HFG1071	CONV	107	169.5	14.6	0	37.8	576	27
LATHAM	LH 5769 SS RIB	STX,B	107	169.2	14.5	1	35.8	575	28
WYFFELS	W6826RIB	VT2P,B	111	167.0	14.6	13	36.5	568	29
FS INVISION	FS 5704X	STX	107	165.4	14.9	4	37.1	562	30
LATHAM	LH 5739 SS RIB	STX,B	107	165.3	14.4	1	37.1	562	31
PIONEER	P0589AMXT CK	AMXT,AQ,B	105	192.2	14.3	0	36.5	653	11

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Averages = **169.4** **15.0** **6** **37.0** **575**

LSD (0.10) = 21.3 1.0 12

LSD (0.25) = 11.2 0.5 6

C.V. = 12.0

Historic yield: 220.6 bu/a, 6 yr(s)

Yield & Income Factors: Base Moisture = 15.0% Shrink = 1.3 Drying = \$0.025 Prices: GMO = \$3.40

2020 Corn - Iowa Northwest [IANW]

Early-Season Test Products (66 Total)

Company/Brand	Product/Brand	Technology	RM	Seed Treat.
AUGUSTA	3053	5222,B	103	AVC,C2
CORNELIUS	C6219SS	STX	102	AC,P5
CORNELIUS	C6401SS	STX	104	P5V
CORNELIUS	C6438DP	VT2P	104	CM,C2,Vi
DEKALB	DKC52-34RIB GC	STX,B	102	AC,P5V,EDC-B
DEKALB	DKC54-65RIB GC	VT2P,B	104	AC,P5V,EDC-EL
DYNA-GRO	D43VC81	VT2P	102	AC,P5V,EDC-B
EPLEY	E1213VIP3110	3110	102	Vi5
FEDERAL	5280 VT2PRIB	VT2P,B	102	AC,P2,MAG
FEDERAL	5570 VT2PRIB	VT2P,B	105	AC,P2,MAG
FEDERAL	5690 VT2PRIB	VT2P,B	106	AC,P2,MAG
FS INVISION	FS 51QX1 RIB	STX,B	101	AC,P5V
FS INVISION	FS 53ZX1 RIB	STX,B	103	AC,P5V
FS INVISION	FS 5594X RIB	STX,B	105	AC,P5V
FS INVISION	FS 55RL1 EZR	3220,B	105	AC,P2
GOLDEN HARVEST	G03R40-5222-EZR	5222,B	103	AVC,C2,Vi
GOLDEN HARVEST	G04G36-3111A	3111A	104	AVC,C2,Vi
GOLDEN HARVEST	G05K08-5122A-EZR	5122A,B	105	AVC,C2,Vi
HEFTY	H5132VT2P	VT2P	101	HC
HEFTY	H5144SS	STX	101	HC
HEFTY	H5432VT2PRIB	VT2P,B	104	HC
HEFTY	H5444SS	STX	104	HC
HEFTY	H5624SSRIB	STX,B	106	HC
HI FIDELITY GENETICS	EXP2025	CONV	106	AC,P5V
HI FIDELITY GENETICS	HFG1041	CONV	104	AC,P2
HOEGEMEYER	7159Q	QR,B	101	Lum,P5V
HOEGEMEYER	7209AM	AM,B	102	Lum,P5V
HOEGEMEYER	7402AM	AM,B	104	Lum,P5V
INTEGRA	5081 DGVT2PRIB	VT2PDG,B	100	AC,P2,St,SU
INTEGRA	5280 VT2PRIB	VT2P,B	102	AC,P2,St,SU
INTEGRA	5351 5122-EZ	5122,B	103	AVC,C2,Vi,St,SU
INTEGRA	5529 VT2PRIB	VT2P,B	105	AC,P2,St,SU
KRUGER	K0358SS	STX,B	103	AC,PV5,B360
KRUGER	K0518DD	VT2PDG,B	105	AC,P5,B360
KRUGER	K0626DP	VT2P,B	106	AC,P5,B360
KRUGER	K0655SS	STX,B	106	AC,PV5,B360

Company/Brand	Brand/Product	Technology	RM	Seed Treat.
KRUGER	K4R-9706	STX,B	106	AC,PV5,B360
LATHAM	LH 5377 VT2P RIB	VT2P,B	103	AC250
LATHAM	LH 5389 SS RIB	STX,B	103	AC,P5V
LATHAM	LH 5517 VT2P RIB	VT2P,B	105	AC250
LATHAM	LH 5635 VT2P RIB	VT2P,B	106	AC250
MILLER HYBRIDS	M05-72	CONV	105	MSC
MILLER HYBRIDS	M06-39	CONV	106	MSC
NK BRAND	NK0243-5122-EZR	5122,B	102	AVC,C2,Vi
NK BRAND	NK0472-5222-EZR	5222,B	104	AVC,C2,Vi
NK BRAND	NK0624-5222-EZR	5222,B	106	AVC,C2,Vi
PIONEER	P0157AMXT GC	AMXT,AQ,B	101	Lum
PIONEER	P0339Q GC	QR,B	103	Lum
PIONEER	P0589AMXT CK	AMXT,AQ,B	105	Lum
RENK	RK642VT2P	VT2P,B	103	AC,P2
RENK	RK695GTCBLLBL	3220	102	CM,C2
RENK	RK710DGVT2P	VT2PDG,B	106	AC,P2
RENK	RK726H	PC	106	AC,P2
TITAN PRO	24-04	E	104	C2
TITAN PRO	26-03 5222	5222,B	103	C2
TITAN PRO	82-04 2P	VT2P,B	104	AC250
TITAN PRO	84-03 2P	VT2P,B	103	AC250
TITAN PRO	96-06 2P	VT2P,B	106	AC250
VIKING	42-05	CONV	105	CM,C2,Sb
VIKING	51-04	CONV	104	CM,C2,Sb
VIKING	55-02	CONV	102	CM,C2,Sb
VIKING	84-05	CONV	105	CM,C2,Sb
WYFFELS	W2506RIB	VT2P,B	101	AC250
WYFFELS	W3018	STX	102	AC,P5V
WYFFELS	W4196RIB	VT2P,B	105	AC250
WYFFELS	W4246	VT2P	105	AC250

2020 Corn - Iowa Northwest [IANW]

Full-Season Test Products (55 Total)

Company/Brand	Product/Brand	Technology	RM	Seed Treat.
AUGUSTA	1259	3330,B	109	AVC,C5
CORNELIUS	C633DP	VT2P	110	CM,C2,Vi
CORNELIUS	C7004DP	VT2P	110	AC,P5V,EDC-B
DYNA-GRO	D50VC78	VT2P	110	AC,P5V,EDC-B
EPLEY	E1800	CONV	108	Vi5
FS INVISION	FS 5704X	STX	107	AC,P5V
FS INVISION	FS 5892V RIB	VT2P,B	108	AC,P5V
FS INVISION	FS 58RL1 EZR	3220,B	108	AC,P2
FS INVISION	FS 5909D2A EZR	5222A,B	109	AC,P5V
FS INVISION	FS 60UX1 RIB	STX,B	110	AC,P5V
GOLDEN HARVEST	G08D29-5122A-EZR	5122A,B	108	AVC,C5,Vi
GOLDEN HARVEST	G10D21-3330-EZR	3330,B	110	AVC,C5,Vi
GOLDEN HARVEST	G10L16-5222A-EZR	5222A,B	110	AVC,C5,Vi
HEFTY	H5812VT2PRIB	VT2P,B	108	HC
HEFTY	H5832VT2PRIB	VT2P,B	108	HC
HEFTY	H5944SS	STX	109	HC
HEFTY	H6024SSRIB	STX,B	110	HC
HI FIDELITY GENETICS	HFG1071	CONV	107	AC,P5V
HI FIDELITY GENETICS	HFG1081	CONV	108	AC,P2
HI FIDELITY GENETICS	HFG1092	CONV	109	AC,P5V
HOEGEMEYER	7869AM	AM,B	108	Lum,P1V
HOEGEMEYER	8009YHR	AM	110	Lum,P1V
HOEGEMEYER	8084AM	AM,B	110	Lum,P1V
INTEGRA	5719 VT2PRIB	VT2P,B	107	AC,P2,St,SU
INTEGRA	5770 STXRIB	STX,B	107	AC,P5V,St,SU
INTEGRA	5939 STXRIB	STX,B	109	AC,P5V,St,SU
INTEGRA	6061 VT2PRIB	VT2P	110	AC,P5,St,SU
KRUGER	K0708DT	TRE,B	107	AC,PV5,B360
KRUGER	K0807SS	STX,B	108	AC,PV5,B360
KRUGER	K0915DD	VT2PDG,B	109	AC,P5,B360
KRUGER	K0917SS	STX,B	109	AC,PV5,B360
KRUGER	K1005DP	VT2P,B	110	AC,P2,B360
LATHAM	LH 5725 VT2P RIB	VT2P,B	107	AC250
LATHAM	LH 5739 SS RIB	STX,B	107	AC,P5V
LATHAM	LH 5769 SS RIB	STX,B	107	AC,P5V
LATHAM	LH 5847 VT2P RIB	VT2P,B	108	AC250

Company/Brand	Brand/Product	Technology	RM	Seed Treat.
LATHAM	LH 5965 VT2P RIB	VT2P,B	109	AC250
MILLER HYBRIDS	M09-01	CONV	109	MSC
MILLER HYBRIDS	M09-54	CONV	109	MSC
MILLER HYBRIDS	M10-74	CONV	110	MSC
NK BRAND	NK0821-5122A-EZR	5122A,B	108	AVC,C5,Vi
NK BRAND	NK1026-3330-EZR	3330,B	110	AVC,C5,Vi
NK BRAND	NK1082-5222A-EZR	5222A,B	110	AVC,C5,Vi
PIONEER	P0589AMXT CK	AMXT,AQ,B	105	Lum
RENK	RK700SSTX	STX	107	AC,P5V
RENK	RK765VT2PRIB	VT2P,B	109	AC,P2
RENK	RK805VT2P	VT2P	110	AC,P2
TITAN PRO	92-09	CONV	109	AC250
TITAN PRO	94-09 2P	VT2P,B	109	AC250
VIKING	48-08	CONV	108	CM,C2,Sb
WYFFELS	W5086RIB	VT2P,B	107	AC250
WYFFELS	W5516RIB	VT2P,B	108	AC250
WYFFELS	W6408RIB	STX,B	110	AC,P5V
WYFFELS	W6826RIB	VT2P,B	111	AC250
WYFFELS	W6978	STX	111	AC,P5V

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*

3110	Agrisure® Viptera® 3110 (Vip, CB,LL,GT)
3111A	Agrisure® Artesian® Viptera® 3111 (Vip,CB,RW,LL,GT)
3220	Agrisure® Viptera® 3220 (Vip,CB,HX,LL,GT)
3330	Agrisure® Viptera® 3330 (Vip,CB,LL,GT)
5122	Agrisure® Duracade™ 5122
5122A	Agrisure Duracade™ Artesian® 5122
5222	Agrisure® Duracade™ 5222
5222A	Agrisure® Duracade™ Artesian® 5222
AM	Optimum® AcreMax®
AML	Optimum® AcreMax® Leptra® (Vip,YGCB,HX,LL,RR2)
AMXT	Optimum® AcreMax® Xtreme
AQ	Optimum® AQUAmax®
B	Blend, Refuge in a Bag (RIB) or EZ-Refuge
CONV	Conventional
E	Enlist™ (2,4-D, glyphosate, fop herbicide tolerance)
PC	PowerCore™
QR	Qrome™
STX	SmartStax®
TRE	Genuity® Trecepta™
VT2P	Genuity® VT Double PRO®
VT2PDG	Genuity® VT Double PRO® DroughtGard®

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

Corn Seed Treatments**

NA	Not Available
AC250	Acceleron 250
AC,P2	Acceleron, Poncho 250
AC,P2,B360	Acceleron Poncho 250 with BioRise™ B-360 ST
AC,P2,MAG	Acceleron 250, Federal ArmourGuard
AC,P2,St,SU	Acceleron 250, Stamina, StepUp
AC,P5	Acceleron, Poncho 500
AC,P5,B360	Acceleron Poncho 500 with BioRise™ B-360 ST
AC,P5,St,SU	Acceleron Poncho 500, Stamina, StepUp
AC,P5V	Acceleron, Poncho 500/Votivo
AC,P5V,EDC-B	Acceleron, Basic Poncho 500/Votivo with Enhanced Disease Control
AC,P5V,EDC-EL	Acceleron, ELITE Poncho 500/Votivo with Enhanced Disease Control
AC,P5V,St,SU	Acceleron Poncho 500/Votivo, Stamina, StepUp
AC,PV5,B360	Acceleron Poncho 500/Votivo with BioRise™ B-360 ST
AVC,C2	Avicta Complete 250
AVC,C2,Vi	Avicta Complete 250, Vibrance
AVC,C2,Vi,St,SU	Avicta Complete 250, Vibrance, Stamina, StepUp
AVC,C5	Avicta Complete 500
AVC,C5,Vi	Avicta Complete 500, Vibrance
C2	Cruiser 250
CM,C2	CruiserMaxx 250
CM,C2,Sb	CruiserMaxx 250, SabrEx Innoculant
CM,C2,Vi	CruiserMaxx 250 with Vibrance
HC	Hefty Complete
Lum	LumiGEN™ (Corteva Agriscience)
Lum,P1V	Lumigen Poncho 1250/Votivo
Lum,P5V	Lumigen Poncho 500/Votivo
MSC	Miller Hybrids ShieldCoat™, Vertex
P1V,RN	Poncho 1250/Votivo, Rancona®
P5V	Poncho 500/Votivo
VI5	Vibrance® Cinco

** Seed treatments may include unspecified plant health promoting components.