

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

2020 Corn Grain Top 30 Harvest Report

Iowa Northwest [IANW] PAULLINA, IA
Mark Hibbing, O'Brien County, IA 51046

Early-Season Test	101 - 106 Day CRM B2020IANW04a
Top 30 of 66	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Soybean / 2-4d Lv, Sonic, Abundit Edge, Top Gun, Intensity, Everprex
SOIL DESCRIPTION:	Galva silty clay loam, well drained, non-irrigated
SOIL CONDITION:	Minimum W/O Fall Till, medium P, medium K, 5.3 pH, 3.2% OM, 20.9 CEC
PEST MANAGEMENT:	Cadence, Balance Flex, Atrazine
FERTILITY - Applied N:	150 Spring
Applied N-P-K (units):	150-40-40
SEEDED - RATE - ROW:	Apr 29 35.7 /A 30" spacing
HARVESTED - STAND:	Oct 16 34.0 /A

TEST COMMENTS:

Planting conditions this year were favorable to allow farmers in O'Brien county to make tremendous progress mid to late April. Most corn was in the ground by the end of April. Early season rainfall was adequate, stands were good, and the crop was up and had great vigor by mid-June. Everything was going well until the faucet shut off following pollination. The heat of mid-July and August was not relieved by enough precipitation to offset the moisture deficits that turned into the D3 (extreme drought) this county currently faces as of harvest. Yields were impacted by the dry weather during the last half of the season.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
HEFTY	H5444SS	STX	104	203.3	14.2	3	33.9	691	1
WYFFELS	W4246	VT2P	105	191.0	14.2	0	33.9	649	2
FEDERAL	5690 VT2PRIB	VT2P,B	106	184.5	13.5	0	34.5	627	3
WYFFELS	W4196RIB	VT2P,B	105	184.0	14.4	0	34.5	626	4
MILLER HYBRIDS	M06-39	CONV	106	182.8	14.1	0	33.2	622	5
FS INVISION	FS 55RL1 EZR	3220,B	105	182.8	13.5	0	31.9	622	6
KRUGER	K4R-9706	STX,B	106	182.7	15.3	0	33.9	620	9
LATHAM	LH 5517 VT2P RIB	VT2P,B	105	182.7	13.9	0	34.5	621	7
VIKING	42-05	CONV	105	182.6	14.2	0	31.9	621	8
TITAN PRO	84-03 2P	VT2P,B	103	182.1	12.6	0	33.2	619	10
CORNELIUS	C6438DP	VT2P	104	178.9	13.8	6	33.9	608	11
VIKING	51-04	CONV	104	178.5	13.5	4	33.9	607	12
LATHAM	LH 5635 VT2P RIB	VT2P,B	106	178.5	12.8	0	35.2	607	14
MILLER HYBRIDS	M05-72	CONV	105	178.5	12.6	0	34.5	607	13
GOLDEN HARVEST	G05K08-5122A-EZR	5122A,B	105	175.5	13.3	0	35.2	597	16
DEKALB	DKC54-65RIB GC	VT2P,B	104	175.2	13.3	0	33.9	596	17
CORNELIUS	C6401SS	STX	104	175.1	14.6	0	33.9	595	18
FEDERAL	5570 VT2PRIB	VT2P,B	105	174.2	13.4	0	33.9	592	19
TITAN PRO	24-04	PC	104	173.6	12.6	0	31.9	590	20
KRUGER	K0626DP	VT2P,B	106	172.6	13.9	0	32.5	587	21
FS INVISION	FS 5594X RIB	STX,B	105	172.5	14.0	0	33.9	586	22
TITAN PRO	82-04 2P	VT2P,B	104	172.3	13.0	0	35.2	586	23
HEFTY	H5624SSRIB	STX,B	106	171.6	13.5	0	33.9	583	24
TITAN PRO	96-06 2P	VT2P,B	106	171.1	13.0	0	33.9	582	25
GOLDEN HARVEST	G04G36-3111A	3111A	104	170.7	12.7	0	33.9	580	26
KRUGER	K0358SS	STX,B	103	169.5	14.0	0	33.9	576	27
LATHAM	LH 5377 VT2P RIB	VT2P,B	103	169.4	13.5	0	34.5	576	28
DYNA-GRO	D43VC81	VT2P	102	169.1	13.0	0	33.9	575	29
KRUGER	K0518DD	VT2PDG,B	105	168.9	13.1	0	35.2	574	30
RENK	RK726H	PC	106	168.8	13.0	3	33.9	574	31
PIONEER	P0589AMXT CK	AMXT,AQ,B	105	177.8	13.6	0	35.2	605	15
				Averages =	165.8	13.4	0	34.0	564
				LSD (0.10) =	11.7	0.5	2		
				LSD (0.25) =	6.2	0.3	1		
				C.V. =	6.7				

Corey Rozenboom

Corey Rozenboom

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Historic yield: 196.0 bu/a, 16 yr(s)

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

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Full-Season Test	107 - 110 Day CRM B2020IANW04b
Top 30 of 55	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Soybean / 2-4d Lv, Sonic, Abundit Edge, Top Gun, Intensity, Everprex
SOIL DESCRIPTION:	Galva silty clay loam, well drained, non-irrigated
SOIL CONDITION:	Minimum W/O Fall Till, medium P, medium K, 5.3 pH, 3.2% OM, 20.9 CEC
PEST MANAGEMENT:	Cadence, Balance Flex, Atrazine
FERTILITY - Applied N:	150 Spring
Applied N-P-K (units):	150-40-40
SEEDED - RATE - ROW:	Apr 29 35.7 /A 30" spacing
HARVESTED - STAND:	Oct 16 34.1 /A

TEST COMMENTS:

Planting conditions this year were favorable to allow farmers in O'Brien county to make tremendous progress mid to late April. Most corn was in the ground by the end of April. Early season rainfall was adequate, stands were good, and the crop was up and had great vigor by mid-June. Everything was going well until the faucet shut off following pollination. The heat of mid-July and August was not relieved by enough precipitation to offset the moisture deficits that turned into the D3 (extreme drought) this county currently faces as of harvest. Yields were impacted by the dry weather during the last half of the season.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
INTEGRA	6061 VT2PRIB	VT2P	110	216.4	17.2	0	33.9	724	1
HEFTY	H5812VT2PRIB	VT2P,B	108	207.9	14.6	0	34.5	707	2
MILLER HYBRIDS	M10-74	CONV	110	206.6	16.8	8	27.9	693	4
LATHAM	LH 5847 VT2P RIB	VT2P,B	108	205.2	15.8	0	33.9	693	5
LATHAM	LH 5725 VT2P RIB	VT2P,B	107	204.7	14.7	0	35.2	696	3
KRUGER	K1005DP	VT2P,B	110	203.6	15.8	20	35.2	688	7
WYFFELS	W5086RIB	VT2P,B	107	202.9	14.1	0	33.9	690	6
INTEGRA	5719 VT2PRIB	VT2P,B	107	202.5	15.2	0	33.9	687	8
TITAN PRO	92-09	CONV	109	198.9	15.0	0	33.9	676	9
WYFFELS	W6408RIB	STX,B	110	198.6	15.7	0	33.9	672	11
HEFTY	H5832VT2PRIB	VT2P,B	108	198.0	14.8	0	34.5	673	10
DYNA-GRO	D50VC78	VT2P	110	197.0	16.0	0	33.9	665	15
KRUGER	K0917SS	STX,B	109	197.0	15.3	0	30.6	668	12
CORNELIUS	C7004DP	VT2P	110	196.7	15.8	0	34.5	665	16
WYFFELS	W6826RIB	VT2P,B	111	196.5	15.6	0	33.2	665	17
RENK	RK805VT2P	VT2P	110	196.2	15.2	0	33.9	666	13
INTEGRA	5770 STXRIB	STX,B	107	195.8	14.3	0	33.9	666	14
FS INVISION	FS 60UX1 RIB	STX,B	110	195.2	16.4	6	33.9	657	19
MILLER HYBRIDS	M09-54	CONV	109	194.0	16.1	0	35.2	654	20
HI FIDELITY GENETICS	HFG1071	CONV	107	193.4	14.5	0	34.5	658	18
RENK	RK765VT2PRIB	VT2P,B	109	192.5	14.4	0	33.9	654	21
HEFTY	H5944SS	STX	109	192.2	15.1	0	33.9	653	22
INTEGRA	5939 STXRIB	STX,B	109	192.1	17.1	1	34.5	643	26
HOEGEMEYER	8084AM	AM,B	110	191.6	14.4	0	33.2	651	23
KRUGER	K0915DD	VT2PDG,B	109	191.2	15.4	1	33.9	648	24
MILLER HYBRIDS	M09-01	CONV	109	190.0	14.9	1	33.9	646	25
HEFTY	H6024SSRIB	STX,B	110	190.0	15.7	0	33.2	643	27
LATHAM	LH 5965 VT2P RIB	VT2P,B	109	189.0	15.2	20	33.9	642	28
KRUGER	K0807SS	STX,B	108	188.2	14.3	0	34.5	640	29
WYFFELS	W5516RIB	VT2P,B	108	188.1	14.7	0	35.2	640	30
PIONEER	P0589AMXT CK	AMXT,AQ,B	105	177.1	13.5	0	35.2	602	43

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Averages = **188.1** **15.2** **2** **34.1** **637**

LSD (0.10) = 10.3 0.7 6

LSD (0.25) = 5.4 0.4 3

C.V. = 5.2

Historic yield: 196.0 bu/a, 16 yr(s)

Yield & Income Factors:

Base Moisture = 15.0%

Shrink = 1.3

Drying = \$0.025

Prices: GMO = \$3.40

Report Date: 10/16/2020

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

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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	PC	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
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.