

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

## 2020 Corn Grain Top 30 Harvest Report

Iowa North [IANO] PLYMOUTH, IA

Aaron & Stan Sprung, Cerro Gordo County, IA 50464

<b>Ultra Early-Season Test</b>	95 - 100 Day CRM B2020IANO05u
<b>Top 30 of 60</b>	For Gross Income (Sorted by Yield) Average of (3) Replications
<b>PREV. CROP/HERB:</b>	Soybean / Antares Prime, Roundup
<b>SOIL DESCRIPTION:</b>	Maxfield silty clay loam, moderately drained, non- irrigated
<b>SOIL CONDITION:</b>	Conventional W/ Fall Till, very high P, very high K, 6.3 pH, 3.6% OM, 17.8 CEC
<b>PEST MANAGEMENT:</b>	Dual, Atrazine, Impact
<b>FERTILITY - Applied N:</b>	106 Sidedress
<b>Applied N-P-K (units):</b>	106-35-50
<b>SEEDED - RATE - ROW:</b>	May 1 35.7 /A 30" spacing
<b>HARVESTED - STAND:</b>	Oct 19 34.0 /A

### TEST COMMENTS:

Planting season was as good as it has been in several years in this area. Most of the corn was planted by the end of April with few exceptions. Showers in the last half of May allowed for great stands and early season vigor. By the beginning of July, soil moisture was adequate which led to favorable conditions for pollination. There was some evidence of tipback among several hybrids, but only to within about an inch. Weather turned dry for a stretch of 4 weeks from mid-July to mid-Aug and may have reduced overall yield as seasonal accumulated precipitation remained below average from Aug through black layer. Overall rainfall from 5/1 to 9/15 was near 21".

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
AUGUSTA	2050	VT2P	100	<b>228.4</b>	15.5	0	33.9	774	1
FEDERAL	4805 VT2PRIB	VT2P,B	98	<b>224.5</b>	15.7	0	35.2	760	2
CORNELIUS	C6042DP	VT2P	100	<b>222.4</b>	15.2	0	33.2	755	3
DEKALB	DKC49-44RIB GC	STX,B	99	<b>221.6</b>	16.0	0	33.2	748	5
KRUGER	K9915DP	VT2P,B	99	<b>220.8</b>	15.3	0	34.5	749	4
GOLDEN HARVEST	G95M41-5122-EZR	5122,B	95	<b>217.3</b>	15.4	0	33.9	737	6
NK BRAND	NK9991-5122-EZR	5122,B	99	<b>213.6</b>	16.6	0	35.2	718	7
VIKING	52-00	CONV	100	<b>213.3</b>	16.6	0	33.8	717	8
CORNELIUS	C6002SS	STX	100	<b>211.6</b>	16.9	0	34.5	709	9
NUTECH	57B3AM	AM,B	97	<b>207.1</b>	15.8	0	33.9	700	10
NUTECH	E57C1CYFR	QR	97	<b>206.8</b>	16.0	0	35.2	698	11
<i>HEFTY</i>	<i>H4612VT2PRIB</i>	<i>VT2P,B</i>	96	<b>206.4</b>	20.9	0	35.2	671	20
LATHAM	LH 4657 VT2P RIB	VT2P,B	96	<b>205.3</b>	16.3	0	33.9	692	12
KRUGER	K9701SS	STX,B	97	203.9	15.5	0	33.9	691	13
<i>TITAN PRO</i>	<i>26-00</i>	<i>5222,B</i>	100	203.8	18.3	0	33.9	676	16
NUTECH	5F-196AM	AM,B	96	203.2	15.2	0	33.9	690	14
CORNELIUS	C5846DP	VT2P	98	201.2	14.4	0	33.9	684	15
FS INVISION	FS 5098X RIB	STX,B	100	199.6	16.1	0	33.9	673	17
HEFTY	H5003VT2PDGRIB	VT2PDG,B	100	199.2	15.9	3	33.9	673	18
WYFFELS	W2236RIB	VT2P,B	99	198.8	15.6	0	33.9	673	19
TITAN PRO	92-99 2P	VT2P,B	99	197.0	14.8	0	35.2	670	21
HEFTY	H4933VT2PDGRIB	VT2PDG,B	99	195.8	15.9	0	33.9	661	22
FEDERAL	4580 VT2PRIB	VT2P,B	95	194.6	16.2	0	33.9	656	25
RENK	RK593VT2PRIB	VT2P,B	97	194.4	14.9	0	35.2	661	23
FS INVISION	FS 4507V	VT2P	95	193.3	14.5	0	33.9	657	24
FEDERAL	4990 VT2PRIB	VT2P,B	99	192.9	16.7	0	33.9	648	27
PIONEER	P9492AM GC	AM,B	94	192.5	15.1	0	35.2	654	26
LATHAM	LH 4937 VT2P RIB	VT2P,B	99	190.6	14.9	0	34.5	648	28
HEFTY	H4922VT2PRIB	VT2P,B	99	190.2	15.0	0	35.2	647	29
VIKING	52-96	CONV	96	188.8	15.8	0	33.9	638	30

*Corey Rozenboom*

Corey Rozenboom

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Averages = **191.2** **15.9** **0** **34.0** **646**

LSD (0.10) = 13.2 0.7 ns

LSD (0.25) = 7.0 0.4 ns

C.V. = 6.6

Historic yield: 204.6 bu/a, 6 yr(s)

### Yield & Income Factors:

Base Moisture = 15.0%

Shrink = 1.3

Drying = \$0.025

Prices: GMO = \$3.40

Report Date: 10/20/2020

Additional reports available at [www.firstseedtests.com](http://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 North [ IANO ]

### Ultra Early-Season Test Products (60 Total)

Company/Brand	Product/Brand	Technology	RM	Seed Treat.
AUGUSTA	2050	VT2P	100	AC,P5V
AUGUSTA	2545	5122,B	95	AVC,C2
CORNELIUS	C5846DP	VT2P	98	NA
CORNELIUS	C6002SS	STX	100	NA
CORNELIUS	C6042DP	VT2P	100	P5V
DEKALB	DKC49-44RIB GC	STX,B	99	AC,P5V,EDC-B
FEDERAL	4580 VT2PRIB	VT2P,B	95	AC,P2,MAG
FEDERAL	4805 VT2PRIB	VT2P,B	98	AC,P2,MAG
FEDERAL	4990 VT2PRIB	VT2P,B	99	AC,P2,MAG
FS INVISION	FS 4507V	VT2P	95	AC,P5V
FS INVISION	FS 4507X	STX	95	AC,P5V
FS INVISION	FS 47TV1 RIB	VT2P,B	97	AC,P2
FS INVISION	FS 5098X RIB	STX,B	100	AC,P5V
GOLDEN HARVEST	G00H12-5122-EZR	5122,B	100	AVC,C2,Vi
GOLDEN HARVEST	G95M41-5122-EZR	5122,B	95	AVC,C2,Vi
GOLDEN HARVEST	G99E68-5122-EZR	5122,B	99	AVC,C2,Vi
HEFTY	H4612VT2PRIB	VT2P,B	96	HC
HEFTY	H4732VT2PRIB	VT2P,B	96	HC
HEFTY	H4734SSRIB	STX,B	97	HC
HEFTY	H4842VT2P	VT2P	98	HC
HEFTY	H4922VT2PRIB	VT2P,B	99	HC
HEFTY	H4933VT2PDGRIB	VT2PDG,B	99	HC
HEFTY	H5003VT2PDGRIB	VT2PDG,B	100	HC
HI FIDELITY GENETICS	HFG0951	CONV	95	AC,P5V
HI FIDELITY GENETICS	HFG1001	CONV	100	AC,P5V
KRUGER	K9701SS	STX,B	97	AC,PV5,B360
KRUGER	K9915DP	VT2P,B	99	AC,P5,B360
LATHAM	LH 4517 VT2P RIB	VT2P,B	95	AC250
LATHAM	LH 4657 VT2P RIB	VT2P,B	96	AC250
LATHAM	LH 4669 SS RIB	STX,B	96	AC,P5V
LATHAM	LH 4937 VT2P RIB	VT2P,B	99	AC250
LATHAM	LH 4989 SS RIB	STX,B	99	AC,P5V
LATHAM	LH 5047 VT2P RIB	VT2P,B	100	AC250
NK BRAND	NK9653-5222-EZR	5222,B	96	AVC,C5,Vi
NK BRAND	NK9930-5122-EZR	5122,B	99	AVC,C5,Vi
NK BRAND	NK9991-5122-EZR	5122,B	99	AVC,C5,Vi

Company/Brand	Brand/Product	Technology	RM	Seed Treat.
NORTHSTAR	NS 100-121	STX,B	100	AC,P5V,EDC-B
NORTHSTAR	NS 98-513 STXRIB	STX,B	98	AC,P5V,EDC-B
NUTECH	56A7Q	QR,B	96	P1V,RN
NUTECH	57B3AM	AM,B	97	P1V,RN
NUTECH	5F-196AM	AM,B	96	P1V,RN
NUTECH	E57C1CYFR	QR	97	P1V,RN
PIONEER	P9492AM GC	AM,B	94	Lum
PIONEER	P9880AMXT GC	NA	98	Lum
RENK	RK561DGVT2PRIB	VT2PDG,B	95	AC,P2
RENK	RK579DGVT2P	VT2PDG,B	99	AC,P2
RENK	RK593VT2PRIB	VT2P,B	97	AC,P2
RENK	RK600SSTX	STX,B	100	AC,P5V
TITAN PRO	22-00 2P	VT2P,B	100	AC250
TITAN PRO	26-00	5222,B	100	C2
TITAN PRO	86-96 2P	VT2P,B	96	AC250
TITAN PRO	92-99 2P	VT2P,B	99	AC250
VIKING	44-98	CONV	98	CM,C2,Sb
VIKING	52-00	CONV	100	CM,C2,Sb
VIKING	52-96	CONV	96	CM,C2,Sb
VIKING	99-00	CONV	100	CM,C2,Sb
WYFFELS	W1516RIB	VT2P,B	95	AC250
WYFFELS	W1546	VT2P	96	AC250
WYFFELS	W2198RIB	STX,B	100	AC,P5V
WYFFELS	W2236RIB	VT2P,B	99	AC250

## Footnotes and Abbreviations Descriptions

### Brand Footnotes

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^ 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\*

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5122	Agrisure® Duracade™ 5122
5222	Agrisure® Duracade™ 5222
AM	Optimum® AcreMax®
B	Blend, Refuge in a Bag (RIB) or EZ-Refuge
CONV	Conventional
NA	Not Available
QR	Qrome™
STX	SmartStax®
VT2P	Genuity® VT Double PRO®
VT2PDG	Genuity® VT Double PRO® DroughtGard®

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

## Corn Seed Treatments\*\*

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NA	Not Available
AC250	Acceleron 250
AC,P2	Acceleron, Poncho 250
AC,P2,MAG	Acceleron 250, Federal ArmourGuard
AC,P5,B360	Acceleron Poncho 500 with BioRise™ B-360 ST
AC,P5V	Acceleron, Poncho 500/Votivo
AC,P5V,EDC-B	Acceleron, Basic Poncho 500/Votivo with Enhanced Disease Control
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,C5,Vi	Avicta Complete 500, Vibrance
C2	Cruiser 250
CM,C2,Sb	CruiserMaxx 250, SabrEx Innoculant
HC	Hefty Complete
Lum	LumiGEN™ (Corteva Agriscience)
P1V,RN	Poncho 1250/Votivo, Rancona®
P5V	Poncho 500/Votivo

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