

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

2023 Corn Grain Top 30 Harvest Report

Iowa North [IANO] PAULLINA, IA

Mark Hibbing, O'Brien County, IA 51046

Ultra Early-Season Test 95 - 100 Day CRM
B2023IANO01u

Top 30 of 54 For Gross Income
(Sorted by Yield)
Average of (3) Replications

PREV. CROP/HERB: Soybeans / Sonic, 2,4-D Lv6,
Enlist One

SOIL DESCRIPTION: Galva silty clay loam, well
drained, non-irrigated

SOIL CONDITION: Conventional W/O Fall Till, very
high P, high K, 5.4 pH, 4.8%
OM, 23.5 CEC

PEST MANAGEMENT: Cadence, Balance Flexx,
Atrazine 4l

FERTILITY - Applied N: 170 Spring

Applied N-P-K (units): 170-60-80

SEEDED - RATE - ROW: May 10 35.7 /A 30" spacing

HARVESTED - STAND: Oct 20 32.9 /A

TEST COMMENTS:

The dry season in O'Brien County revealed big differences in soil types between farms and within fields. Dry sub-soil pockets showed themselves this year and the impact on plant vigor was very noticeable in plant height, ear size and stalk diameter. An unforeseen gradient of soil water holding capacity was present between the different tests and caused more variability than expected. Affected replications were removed due to yield inconsistencies caused by small pockets of stressed and barren plants. Like the rest of northern Iowa, corn yields in O'Brien County followed the roller coaster of erratic weather. Fields that experienced regular rainfall had near-record yields. On the other hand, fields that missed the pop-up showers were well short of average yield expectations.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Rob-See-Co	RC4937-SSP ↗	STXP	99	175.6	18.2	1	32.6	785	1
Pioneer	P9823Q GC ↗	QR	98	172.9	17.4	1	33.2	779	2
DenBesten	DB30-97 ↗	CONV	97	170.0	17.7	1	34.5	764	3
Renk	RK597SSPRO ↗	STXP	99	168.0	18.0	1	33.2	752	4
NuTech	60A2Q ↗	QR	100	167.2	18.7	1	31.9	745	5
Cornelius	C5922SSP ↗	STXP	99	166.6	18.3	1	31.9	745	6
FS InVision	FS 4715V RIB ↗	VT2P	97	164.9	18.2	1	33.2	738	7
Jacobsen	JS9723TRE ↗	TRE	97	161.9	19.0	1	33.9	719	9
NuTech	59C1AM ↗	AM	99	161.1	18.6	1	31.2	718	11
Cornelius	C5972TRE ↗	TRE	99	160.8	18.3	1	33.2	719	10
NuTech	59A1Q ↗	QR	99	160.8	17.9	1	35.2	721	8
NuTech	57B5AM ↗	AM	97	158.0	17.4	1	35.2	712	12
Golden Harvest	G98B99-AA ↗	AA	98	157.3	19.7	1	31.9	694	15
Wyffels	W1988 ↗	STX	98	157.2	19.5	1	32.5	695	14
Renk	RK590VT2P ↗	VT2P	98	157.0	18.1	2	34.5	703	13
FS InVision	FS 4927T RIB ↗	TRE	99	154.8	18.3	1	35.8	692	17
Renk	RK571PWE ↗	PCE	96	154.5	17.6	1	31.2	694	16
Wyffels	W2446RIB ↗	VT2P	100	153.9	18.5	1	32.5	686	18
Rob-See-Co	RC5062-AA ↗	AA	100	152.0	19.5	1	28.6	672	19
NuTech	60A4AM ↗	AM	100	150.1	19.0	1	32.6	667	22
Augusta	A2047-PWE ↗	PCE	97	150.1	18.6	1	35.2	669	21
Kruger	K9815SS ↗	STX	98	149.5	18.6	1	35.2	666	24
Rob-See-Co	RC4779-PCE ↗	PCE	97	149.2	17.5	1	31.9	672	20
Golden Harvest	G00A97-AA ↗	AA	100	149.0	19.6	1	34.5	658	27
Kruger	K0019DT ↗	TRE	100	148.9	17.9	1	35.2	667	23
NuTech	56A8AM ↗	AM	96	148.2	17.9	1	29.9	664	25
Wyffels	W1996RIB ↗	VT2P	98	146.4	17.5	1	31.2	659	26
Viking Blue River	24-99 ↗	CONV	99	146.4	17.7	1	31.9	657	28
Kruger	K9864DT ↗	TRE	98	145.8	17.6	1	33.9	655	29
Rob-See-Co	RC4518-VT2P ↗	VT2P	95	144.1	18.1	1	33.9	645	30

Corey Rozenboom

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Averages = **147.8** **18.4** **1** **32.9** **660**

LSD (0.10) = 18.4 0.5 ns

LSD (0.25) = 9.6 0.3 ns

C.V. = 11.8

Historic yield: 191.1 bu/a, 19 yr(s)

Yield & Income Factors:

Base Moisture = 15.0%

Shrink = 1.3

Drying = \$0.04

Prices: GMO = \$4.60

Report Date: 10/21/2023

† 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. ↗ Links to full product yield results at www.firstseedtests.com

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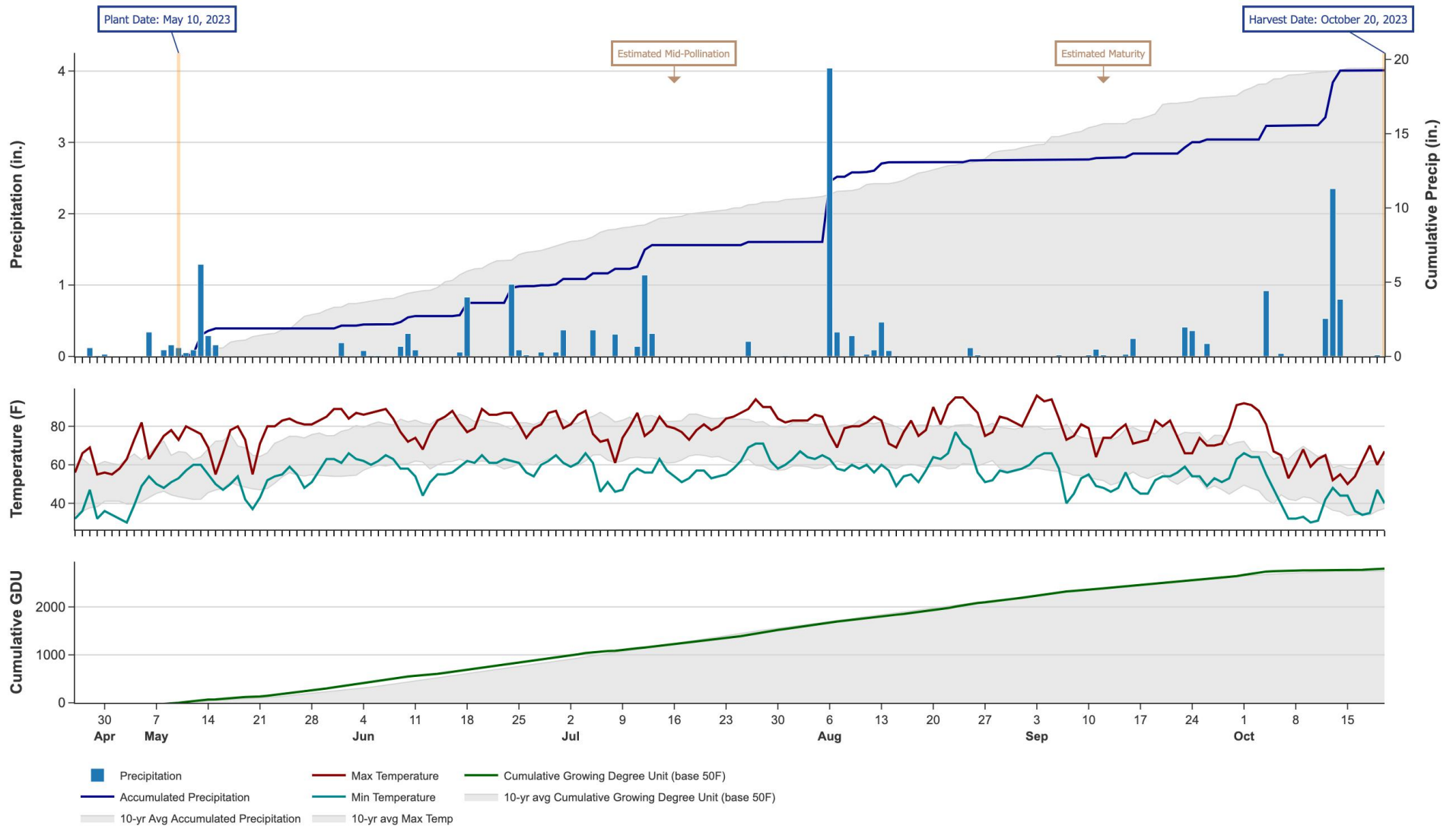
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2023 Corn - Iowa North [IANO]

Weather Conditions Summary at PAULLINA, IA

Weather Data Retrieved: 10/21/2023

Monthly Total	Apr*	May	Jun	Jul	Aug	Sep	Oct*	Total
Precip (in) (Diff)	0.2 0.5 (-0.3)	2.6 4.7 (-2.1)	3.0 4.1 (-1.2)	2.9 3.1 (-0.3)	5.5 3.4 (+2.1)	1.4 3.6 (-2.2)	4.7 1.9 (+2.8)	20.1 21.3 (-1.2)
GDU Avg (Diff)	18 5 (+12)	408 312 (+95)	626 629 (-3)	591 704 (-113)	632 621 (+10)	472 451 (+20)	154 104 (+49)	2901 2829 (+71)



* First monthly total starts on the date 14 days prior to planting and final monthly total ends on the harvest date.

Note: Weather information from PRISM Climate Group. Data may be revised by the provider after retrieval. FIRST will not revise or update reports to reflect any weather data changes. For information purposes only.

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Ultra Early-Season Test Products (54 Total)

Company/Brand	Product/Brand	Technology	RIB	RM	Seed Treat.
Augusta	A1946-AA	AA	N	96	CM,C2
Augusta	A2047-PWE	PCE	N	97	AC,P5V
Augusta	A2048-AA	AA	N	98	CM,C5
Cornelius	C5704TRE	TRE	N	97	AC,P5V,EDC-EL
Cornelius	C5922SSP	STXP	N	99	CM,C2,Vi,Va
Cornelius	C5972TRE	TRE	N	99	CM,C2,Vi,Va
DeKalb	DKC47-84RIB GC	STX	Y	97	AC,P5V,EDC-EL
DenBesten	DB30-97	CONV	N	97	CM,C2,Vi
DenBesten	DB33-99	CONV	N	99	CM,C2,Vi
FS InVision	FS 4535D2 EZR	V	Y	95	CM,C5,Va
FS InVision	FS 4715V RIB	VT2P	Y	97	AC,P5V,EDC-EL
FS InVision	FS 4927T RIB	TRE	Y	99	AC,P5V,EDC-EL
FS InVision	FS 5035P	STXP	N	100	AC,P5V,EDC-EL
Golden Harvest	G00A97-AA	AA	Y	100	CM,C5,Va
Golden Harvest	G97B68-DV	DV	Y	97	AVC,C1,Va
Golden Harvest	G98B99-AA	AA	Y	98	CM,C5,Va
Integra	4702 VT2PRIB	VT2P	Y	97	AC,P5V,SU+Zn
Integra	4993 TRERIB	TRE	N	99	AC,P5V,SU+Zn
Integra	CXINT099TRE	TRE	Y	99	AC,P5V,SU+Zn,PT
Jacobsen	JS5044DGVT2P	VT2PDG	Y	95	Treated
Jacobsen	JS7045VT2PRO	VT2P	Y	95	Treated
Jacobsen	JS7096VT2PRO	VT2P	Y	97	Treated
Jacobsen	JS9723TRE	TRE	Y	97	Treated
Kruger	K0019DT	TRE	Y	100	AC,P5V
Kruger	K9815SS	STX	Y	98	AC,P5V
Kruger	K9864DT	TRE	Y	98	AC,P5V
NuTech	56A8AM	AM	Y	96	Lum, L1
NuTech	57A4Q	QR	Y	97	Lum, L1
NuTech	57B5AM	AM	Y	97	Lum, L1
NuTech	59A1Q	QR	Y	99	Lum, L1
NuTech	59C1AM	AM	Y	99	Lum, L1
NuTech	60A2Q	QR	Y	100	Lum, L1
NuTech	60A4AM	AM	Y	100	Lum, L1
Pioneer	P0075Q GC	QR	Y	100	Lum, L1
Pioneer	P9823Q GC	QR	Y	98	Lum, L1
Renk	RK571PWE	PCE	N	96	Lum,P5V
Renk	RK579DGV2P	VT2PDG	Y	99	AC,P2
Renk	RK582SSTX	STX	N	98	AC,P5V
Renk	RK590VT2P	VT2P	N	98	AC,P2
Renk	RK597SSPRO	STXP	N	99	AC,P5V,B300
Renk	RK600VT2P	VT2P	N	100	AC,P2
Rob-See-Co	RC4518-VT2P	VT2P	Y	95	CM,C2,Vi,Va

Company/Brand	Brand/Product	Technology	RIB	RM	Seed Treat.
Rob-See-Co	RC4779-PCE	PCE	N	97	CM,C2,Vi,Va
Rob-See-Co	RC4937-SSP	STXP	Y	99	P5V
Rob-See-Co	RC5062-AA	AA	Y	100	CM,C2,Vi,Va
Titan Pro	28-96 PCE	PCE	N	96	CM,C2,Vi,Va
Titan Pro	30-00 SS	STX	Y	100	AC,P5V
Titan Pro	37-97 DV	DV	Y	97	CM,C2,Vi,Va
Viking Blue River	24-99	CONV	U	99	AC,P2
Viking Blue River	44-98	CONV	N	98	CM,C2,Sb
Viking Blue River	45-97	CONV	U	97	CM,C2,Sb
Wyffels	W1988	STX	N	98	AC,P5
Wyffels	W1996RIB	VT2P	Y*	98	CM,C2,Vi,Va
Wyffels	W2446RIB	VT2P	Y*	100	CM,C2,Vi,Va

* FIRST does not inspect products for refuge blend. N* indicates the product was entered without a refuge component by the sponsoring seed company. Prior year entries may contain refuge blend.

Footnotes and Abbreviations Descriptions

Brand Footnotes

CK	Identifies a check product included in early- and full-season tests.
GC	Grower Comparison product included by FIRST when space permits.
^	Innotech™ brand seed is distributed by Rob-See-Co, LLC. Innotech™ is a trademark of Syngenta. Power Plus® brand seed is distributed by Burrus. Power Plus® is a registered trademark of Corteva Agriscience.

Corn Technologies

AA	Agrisure® Above (CB,HX,LL,GT), formerly Agrisure® 3120
AM	Optimum® AcreMax®
CONV	Conventional
DV	DuracadeViptera™ (Vip,CB,HX,RW,RW2,LL,GT), formerly Agrisure Duracade® 5222
PCE	PowerCore® Enlist®
QR	Qrome®
STX	SmartStax®
STXP	SmartStax® Pro with RNAi Technology
TRE	Trecepta®
V	Viptera™ (Vip,CB,HX,LL,GT), formerly Agrisure Viptera® 3220
VT2P	VT Double PRO®
VT2PDG	DroughtGard® with VT Double PRO®

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

Corn Seed Treatments*

NA	Not Available
AC,P2	Acceleron® 250
AC,P5	Acceleron® 500
AC,P5V	Acceleron® Poncho 500/Votivo
AC,P5V,B300	Acceleron® Poncho 500/Votivo with B-300 SAT
AC,P5V,EDC-EL	Acceleron® ELITE Poncho 500/Votivo with Enhanced Disease Control
AC,P5V,SU+Zn	Acceleron® Poncho 500/Votivo, StepUp SP, StepUp Zn
AC,P5V,SU+Zn,PT	Acceleron® Poncho 500/Votivo, StepUp SP, StepUp Zn with PhycoTerra® ST
AVC,C1,Va	Avicta® Complete 1250 with Vayantis®
CM,C2	CruiserMaxx® 250
CM,C2,Sb	CruiserMaxx® 250, SabrEx Inoculant
CM,C2,Vi	CruiserMaxx® 250 with Vibrance
CM,C2,Vi,Va	CruiserMaxx® 250 with Vibrance, Vayantis®
CM,C5	Cruisermaxx® 500
CM,C5,Va	CruiserMaxx® 500 with Vayantis®
Lum, L1	LumiGEN, Lumisure 1250
Lum,P5V	LumiGEN™ Poncho 500/Votivo
P5V	Poncho 500/Votivo
Treated	Treated seed, unspecified

* Seed treatments may include unspecified plant health promoting components.