

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

2023 Corn Grain Top 30 Harvest Report

Iowa North [IANO] OSAGE, IA

Dale Hemann, Mitchell County, IA 50461

Ultra Early-Season Test 95 - 100 Day CRM
B2023IANO06u

Top 30 of 54

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

PREV. CROP/HERB:

Soybeans / Enlist One

SOIL DESCRIPTION:

Klinger-Maxfield silty clay loam,
well drained, non-irrigated

SOIL CONDITION:

Strip-Till, very high P, low K, 5.8
pH, 4.0% OM, 24.8 CEC

PEST MANAGEMENT:

Balance Flexx, Impactz, Miravis
Neo

FERTILITY - Applied N:

21 Fall, 100 Spring, 100
Sidedress

Applied N-P-K (units):

221-57-45

SEEDED - RATE - ROW:

May 3 38.0 /A 30" spacing

HARVESTED - STAND:

Oct 17 35.4 /A

TEST COMMENTS:

Really wet...then really dry. Precipitation went from one extreme to the other at Dale's farm this season. This corn plot was planted in very good conditions on May 3. Then storms moved through from May 12-15 that dropped 6.5" of rain and completely saturated the soil profile. In soil types that were unable to drain well, the excessive water led to poor stands, and replanted fields in the Osage area were common. Then the faucet turned off for the rest of the growing season. June, July and August were very dry and each month experienced a 3.5" deficit of rainfall from normal. As expected, the D3 extreme drought conditions reduced yields. This farm ended 10.7" below the 10-yr average from planting through Sept 15.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
NuTech	57B5AM ↗	AM	97	225.2	17.6	1	35.8	1013	1
Titan Pro	30-00 SS ↗	STX	100	221.8	17.3	1	35.2	1000	2
NuTech	59C1AM ↗	AM	99	220.8	17.8	1	34.5	991	3
Rob-See-Co	RC4779-PCE ↗	PCE	97	219.8	17.6	1	34.5	989	4
NuTech	60A4AM ↗	AM	100	217.9	17.6	1	34.5	979	5
Renk	RK582SSTX ↗	STX	98	215.9	17.3	1	39.1	973	6
Golden Harvest	G00A97-AA ↗	AA	100	215.2	18.0	1	35.2	964	7
FS InVision	FS 4715V RIB ↗	VT2P	97	214.0	18.5	1	34.5	954	8
Titan Pro	28-96 PCE ↗	PCE	96	210.7	17.4	1	34.5	949	9
Cornelius	C5972TRE ↗	TRE	99	210.7	17.4	1	35.8	949	10
FS InVision	FS 4535D2 EZR ↗	V	95	209.9	17.7	1	35.2	943	11
FS InVision	FS 5035P ↗	STXP	100	209.6	17.6	1	34.5	943	12
Integra	4993 TRERIB ↗	TRE	99	208.9	17.2	1	35.8	942	13
DenBesten	DB30-97 ↗	CONV	97	208.6	17.5	1	36.5	939	14
Pioneer	P0075Q GC ↗	QR	100	207.5	17.7	1	38.5	932	16
Renk	RK571PWE ↗	PCE	96	207.4	17.1	1	30.6	936	15
Golden Harvest	G97B68-DV ↗	DV	97	207.4	18.2	1	34.5	927	18
NuTech	57A4Q ↗	QR	97	206.8	17.7	1	34.5	929	17
DeKalb	DKC47-84RIB GC ↗	STX	97	205.4	17.3	1	37.8	926	19
Titan Pro	37-97 DV ↗	DV	97	204.9	17.9	1	37.1	919	20
NuTech	56A8AM ↗	AM	96	203.2	17.4	1	29.9	915	22
Renk	RK590VT2P ↗	VT2P	98	203.1	17.0	1	35.2	918	21
Renk	RK579DGV2P ↗	VT2PDG	99	202.1	17.4	1	35.8	911	23
Augusta	A2047-PWE ↗	PCE	97	201.5	17.6	1	37.8	906	24
NuTech	60A2Q ↗	QR	100	201.5	17.5	1	37.1	906	25
Wyffels	W1988 ↗	STX	98	201.1	17.4	1	37.8	906	26
Kruger	K0019DT ↗	TRE	100	199.9	17.5	1	33.8	899	27
NuTech	59A1Q ↗	QR	99	199.7	17.9	1	35.8	895	28
Viking Blue River	44-98 ↗	CONV	98	198.0	17.0	1	38.5	895	29
Jacobsen	JS7045VT2PRO ↗	VT2P	95	197.8	17.1	1	37.1	894	30

Averages = **200.0** 17.4 1 35.4 901

LSD (0.10) = 11.0 0.5 ns

LSD (0.25) = 5.8 0.2 ns

C.V. = 5.2 Historic yield: 209.86 bu/a, 10 yr(s)

Corey Rozenboom

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Yield & Income Factors:

Base Moisture = 15.0%

Shrink = 1.3

Drying = \$0.04

Prices: GMO = \$4.60

Report Date: 10/18/2023

† 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

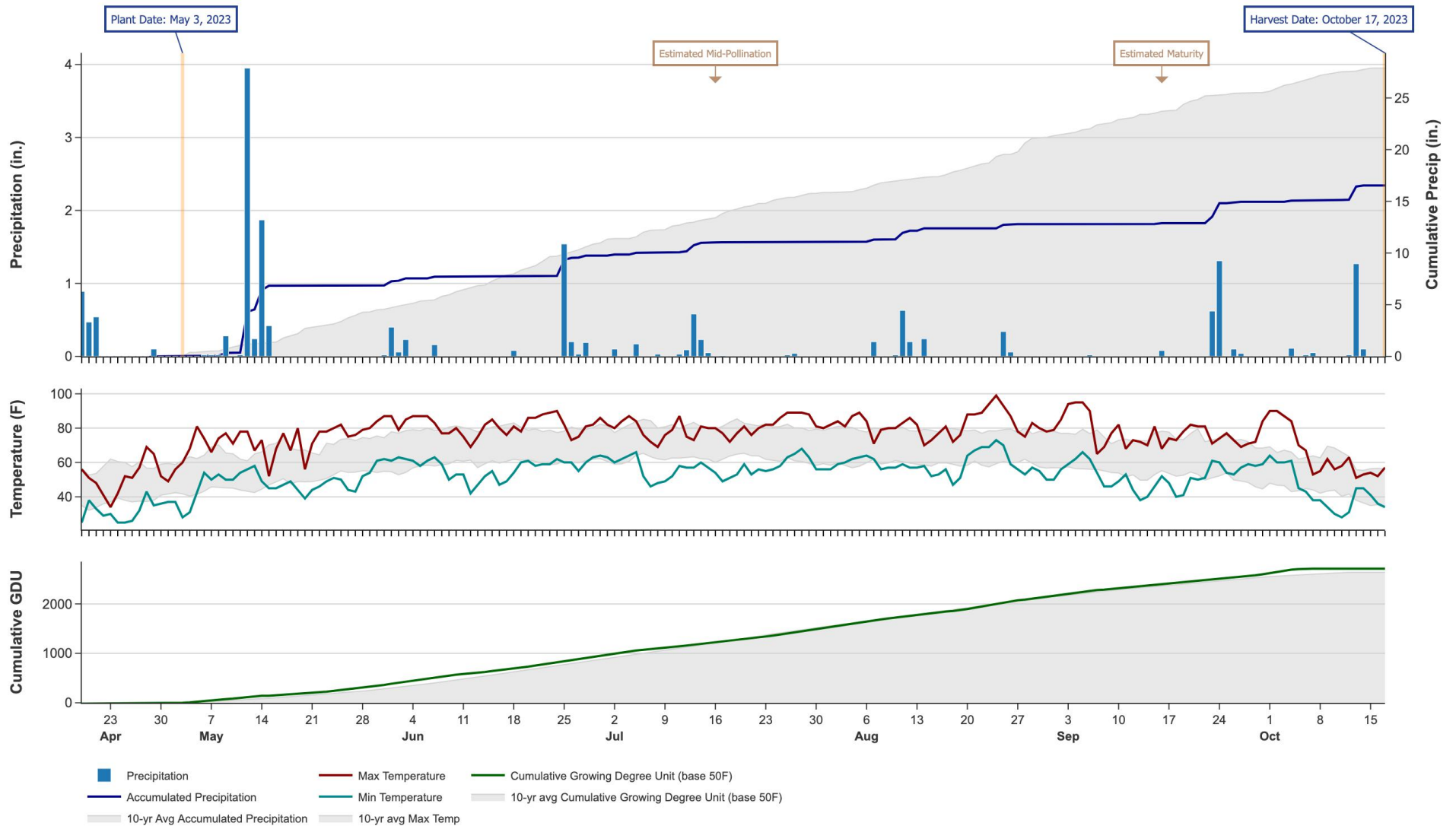
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2023 Corn - Iowa North [IANO]

Weather Conditions Summary at OSAGE, IA

Monthly Total	Apr*	May	Jun	Jul	Aug	Sep	Oct*	Total
Precip (in) (Diff)	2.0 1.5 (+0.5)	6.9 5.4 (+1.4)	2.9 6.4 (-3.5)	1.4 4.9 (-3.5)	1.7 5.3 (-3.6)	2.2 4.3 (-2.2)	1.6 2.4 (-0.8)	18.5 30.3 (-11.8)
GDU Avg (Diff)	17 0 (+17)	362 294 (+67)	580 584 (-4)	578 670 (-92)	620 592 (+27)	460 417 (+42)	112 93 (+18)	2729 2652 (+76)



* 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.