

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

2021 Corn Grain Top 30 Harvest Report

Iowa North [IANO] EMMETSBURG, IA
Tom Kuecker, Palo Alto County, IA 50528

Ultra Early-Season Test	95 - 100 Day CRM B2021IANO02u
Top 30 of 60	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Soybeans / Broadaxe, Engenia, Outlook
SOIL DESCRIPTION:	Canisteo-Nicollet clay loam, moderately drained, non- irrigated
SOIL CONDITION:	Conventional W/O Fall Till, very high P, medium K, 6.1 pH, 4.7% OM, 27.0 CEC
PEST MANAGEMENT:	Zidua, Armezon Pro, Atz, Miravis Neo, Warrior, Beacon
FERTILITY - Applied N:	130 Fall, 45 Spring, 20# S
Applied N-P-K (units):	175-79-67
SEEDED - RATE - ROW:	Apr 26 39.0 /A 30" spacing
HARVESTED - STAND:	Sep 29 38.5 /A

TEST COMMENTS:

Conditions were favorable for early planting in this area and most corn fields in Palo Alto county were planted by mid-May. The season started in drought conditions, which held on through the entire growing season. Every drop of rain and dew was precious to the crop. Stands were excellent. However, Tom's farm experienced water deficits every month from planting through July. August rainfall returned and helped fill kernel depth. This site ended 8.9" below 10-yr normal and still produced excellent yields.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
<i>Titan Pro</i>	<i>84-01 ↗</i>	CONV	101	251.9	17.7	0	36.9	1330	2
Latham	LH 4937 VT2P RIB ↗	VT2P	99	251.3	15.7	0	39.5	1340	1
FS InVision	FS 4715V RIB ↗	VT2P	97	247.7	16.0	0	37.5	1319	3
Augusta	A2050 VT2P ↗	VT2P	100	246.9	15.2	0	38.9	1319	4
Wyffels	W2236RIB ↗	VT2P	99	246.8	17.8	0	38.9	1303	5
Renk	RK561VT2P ↗	VT2P	96	244.3	16.3	0	37.5	1299	6
NuTech	58B1AM ↗	AM	98	243.9	16.5	0	39.5	1296	7
Viking	44-98 ↗	CONV	98	243.7	17.0	0	36.9	1292	8
Titan Pro	92-99 2P ↗	VT2P	99	243.4	16.8	0	38.9	1291	9
Hefty	H4942 RIB ↗	VT2P	99	242.0	16.5	0	38.2	1285	10
Hefty	H4842 RIB ↗	VT2P	98	239.1	15.7	0	38.2	1275	11
Titan Pro	22-00 2P ↗	VT2P	100	238.4	18.7	0	38.9	1253	22
Hefty	H4933 RIB ↗	VT2PDG	99	237.7	17.4	0	37.5	1257	17
Viking	52-00 ↗	CONV	100	237.5	14.9	0	39.5	1271	12
Renk	RK590VT2P ↗	VT2P	98	237.5	16.9	0	40.2	1259	15
Pioneer	P9998Q GC ↗	QR	99	237.0	18.5	0	38.2	1247	26
Hefty	H5055 ↗	TRE	100	236.9	16.0	0	38.2	1261	14
NuTech	57A4Q ↗	QR	97	236.9	16.6	0	39.5	1258	16
Kruger	K9915DP ↗	VT2P	99	236.4	16.3	0	38.2	1257	18
Renk	RK593VT2PRIB ↗	VT2P	97	236.3	16.3	0	38.2	1257	19
Federal	4990 VT2PRIB ↗	VT2P	99	236.3	18.2	0	38.2	1245	27
Wyffels	W1546RIB ↗	VT2P	96	236.3	15.3	0	40.2	1263	13
Kruger	K9701SS ↗	STX	97	236.0	17.0	0	35.5	1251	23
NuTech	60A2Q ↗	QR	100	235.8	18.2	0	38.9	1243	28
Hefty	H4922 RIB ↗	VT2P	99	235.7	16.1	0	38.9	1254	21
Wyffels	W2016 ↗	VT2P	98	235.0	15.1	0	38.9	1256	20
Federal	4805 VT2PRIB ↗	VT2P	98	234.8	16.4	0	36.9	1248	25
Anderson	726VT2P ↗	VT2P	98	233.5	15.0	0	38.9	1249	24
Anderson	681SRC ↗	STX	100	233.3	16.5	0	39.5	1239	30
Renk	RK600VT2P ↗	VT2P	100	232.6	15.2	0	38.2	1243	29

Corey Rozenboom

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Averages = **232.7** **16.6** **38.5** **1235**

LSD (0.10) = 8.8 1.1 ns

LSD (0.25) = 4.6 0.6 ns

C.V. = 3.6

Historic yield: 220.31 bu/a, 11 yr(s)

Yield & Income Factors: Base Moisture = 15.0% Shrink = 1.3 Drying = \$0.025 Prices: GMO = \$5.35

Report Date: 09/30/2021

Revised: 10/01/2021 Corrected product maturity exceedance

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

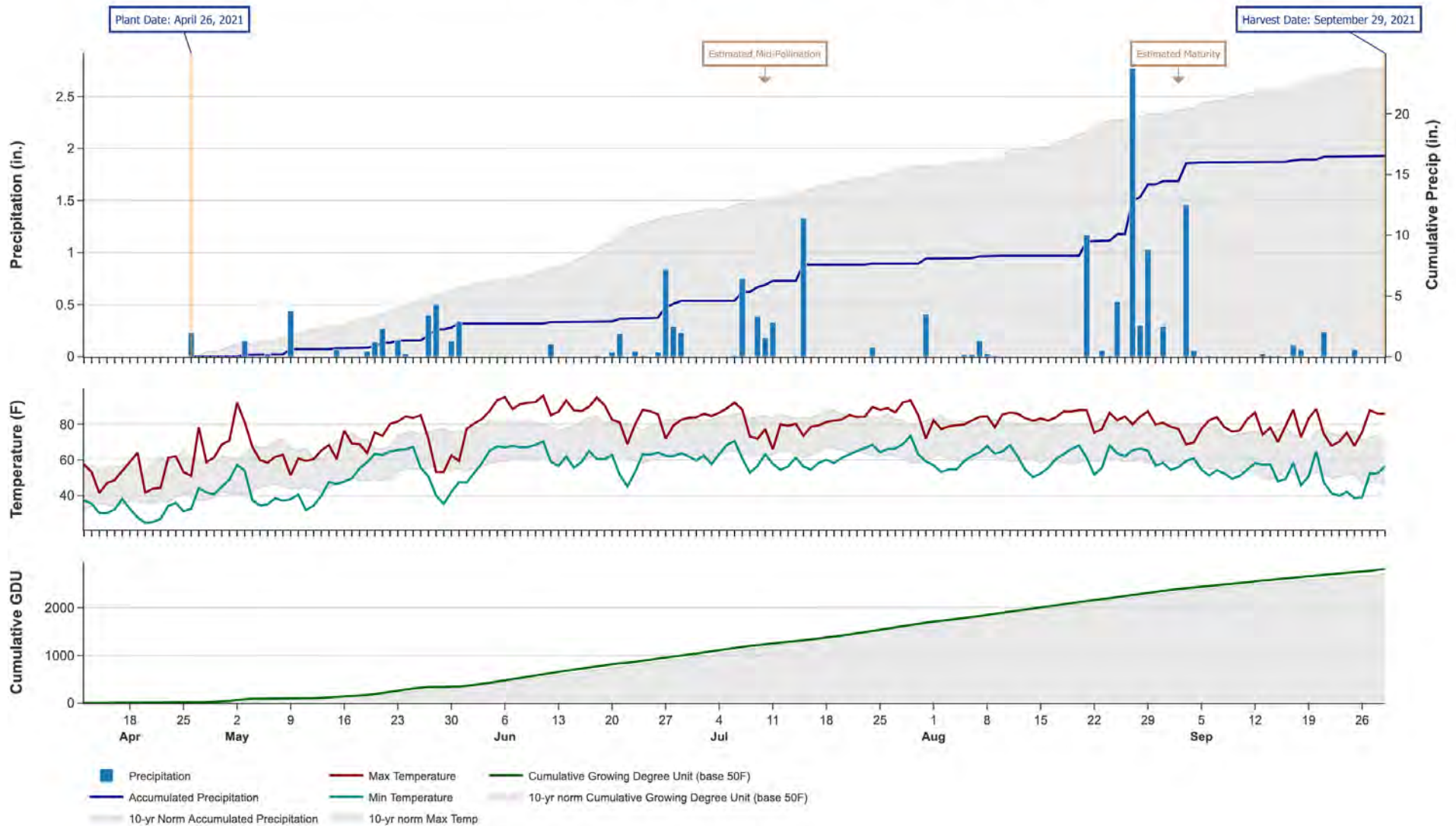
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2021 Corn - Iowa North [IANO]

Weather Conditions Summary at EMMETSBURG, IA

Weather Data Retrieved: 09/30/2021

Monthly Total	Apr*	May	Jun	Jul	Aug	Sep*	Total
Precip (in) Normal (Diff)	0.2 2.4 (-2.2)	2.7 5.1 (-2.4)	1.9 6.1 (-4.3)	3.5 3.9 (-0.4)	6.4 4.3 (+2.1)	2.1 3.7 (-1.7)	16.8 25.6 (-8.9)
GDU Normal (Diff)	33 19 (+13)	314 325 (-11)	670 608 (+61)	674 725 (-51)	667 629 (+37)	456 411 (+44)	2814 2719 (+94)



* 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 (60 Total)

Company/Brand	Product/Brand	Technology	RIB	RM	Seed Treat.
Anderson	681SRC	STX	N	100	AC,P5V
Anderson	726VT2P	VT2P	N	98	AC,P2V
Augusta	A1849-5122-EZ	5122	Y	99	AVC,C2
Augusta	A2050 VT2P	VT2P	N	100	AC250
Augusta	A2150-5222-EZ	5222	Y	100	CM,C2
Augusta	A2545-5122-EZ	5122	Y	95	CM,C2
Cornelius	C5846DP	VT2P	N	98	CM,C2,Vi
Cornelius	C6002SS	STX	N	100	P5V
Cornelius	C6042DP	VT2P	N	100	CM,C2,Vi
Dyna-Gro	D36VC66	VT2P	N	97	AC,P5V
Epley	E9910	CONV	N	99	CM, Vi
Federal	4805 VT2PRIB	VT2P	Y	98	AC,P2,MAG
Federal	4820 VT2P	VT2P	N	98	AC,P5V,MAG
Federal	4990 VT2PRIB	VT2P	Y	99	AC,P2,MAG
Federal	5005	CONV	N	100	AC,P2,MAG
FS InVision	FS 4507V RIB	VT2P	Y	95	AC,P2V
FS InVision	FS 4715V RIB	VT2P	Y	97	AC,P5V
FS InVision	FS 5098V RIB	VT2P	Y	100	P5V
Golden Harvest	G00H12-5122 EZR	5122	Y	100	AVC,C2,Vi
Golden Harvest	G95M41-5122 EZR	5122	Y	95	AVC,C2,Vi
Golden Harvest	G99E68-5122 EZR	5122	Y	99	AVC,C2,Vi
Hefty	H4842 RIB	VT2P	Y	98	HC
Hefty	H4922 RIB	VT2P	Y	99	HC
Hefty	H4933 RIB	VT2PDG	Y	99	HC
Hefty	H4942 RIB	VT2P	Y	99	HC
Hefty	H5055	TRE	N	100	HC
Hi Fidelity Genetics	HFG1002	CONV	N	100	AVC,C2
Kruger	K9701SS	STX	Y	97	AC,P5V,EDC-B
Kruger	K9915DP	VT2P	Y	99	AC,P5,EDC
Latham	LH 4657 VT2P RIB	VT2P	Y	96	AC,P2
Latham	LH 4669 SS RIB	STX	Y	96	AC,P5
Latham	LH 4937 VT2P RIB	VT2P	Y	99	AC,P2
Latham	LH 4957 VT2P RIB	VT2P	Y	99	AC,P5V,EDC-B
Latham	LH 5047 VT2P RIB	VT2P	Y	100	AC,P2
NK Brand	NK9653-5222 EZR	5222	Y	96	AVC,C2,Vi
NK Brand	NK9930-5122 EZR	5122	Y	99	AVC,C2,Vi

Company/Brand	Brand/Product	Technology	RIB	RM	Seed Treat.
NK Brand	NK9991-5122 EZR	5122	Y	99	AVC,C2,Vi
NuTech	57A4Q	QR	Y	97	Lum,P1V
NuTech	58B1AM	AM	Y	98	Lum,P1V
NuTech	60A2Q	QR	Y	100	Lum,P1V
Pioneer	P9880AMXT GC	AMXT	N	98	Lum
Pioneer	P9998Q GC	QR	Y	99	Lum
Renk	RK561VT2P	VT2P	Y	96	AC,P2
Renk	RK579DGV2P	VT2PDG	Y	99	AC,P2
Renk	RK590VT2P	VT2P	N	98	AC,P5V
Renk	RK593VT2PRIB	VT2P	Y	97	AC,P2
Renk	RK600VT2P	VT2P	N	100	AC,P2
Titan Pro	11-98 2P	VT2P	Y	98	AC,P5
Titan Pro	22-00 2P	VT2P	Y	100	AC,P2
Titan Pro	26-00	CONV	N	100	AC,P2
Titan Pro	84-01	CONV	N	101 [†]	AC,P2
Titan Pro	92-99 2P	VT2P	Y	99	AC,P2
Viking	44-98	CONV	N	98	CM,C2,Sb
Viking	52-00	CONV	N	100	CM,C2,Sb
Viking	52-96	CONV	N	96	CM,C2,Sb
Viking	99-00	CONV	N	100	CM,C2,Sb
Wyffels	W1466	VT2P	N	94	AC,P2
Wyffels	W1546RIB	VT2P	Y	96	AC,P2
Wyffels	W2016	VT2P	N	98	AC,P2
Wyffels	W2236RIB	VT2P	Y	99	AC,P2

* 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.

[†] Product entered by seed company as 100 RM maturity. Corrected to 101 RM. Over-limit maturity designated with italics in report.

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

5122	Agrisure® Duracade™ 5122
5222	Agrisure® Duracade™ 5222
AM	Optimum® AcreMax®
AMXT	Optimum® AcreMax® Xtreme
CONV	Conventional
QR	Qrome™
STX	SmartStax®
TRE	Genuity® Trecepta™
VT2P	Genuity® VT Double PRO®
VT2PDG	Genuity® VT Double PRO® DroughtGard®

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

Corn Seed Treatments*

NA	Not Available
AC250	Acceleron® 250
AC,P2	Acceleron® 250
AC,P2,MAG	Acceleron® 250, Federal ArmourGuard
AC,P2V	Acceleron® Poncho 250/Votivo
AC,P5	Acceleron® 500
AC,P5,EDC	Acceleron® 500, Enhanced Disease Control
AC,P5V	Acceleron® Poncho 500/Votivo
AC,P5V,EDC-B	Acceleron® BASIC Poncho 500/Votivo with Enhanced Disease Control
AC,P5V,MAG	Acceleron® Poncho 500/Votivo, Federal ArmorGuard
AVC,C2	Avicta® Complete 250
AVC,C2,Vi	Avicta® Complete 250, Vibrance®
CM,C2	CruiserMaxx® 250
CM,C2,Sb	CruiserMaxx® 250, SabrEx Innoculant
CM,C2,Vi	CruiserMaxx® 250 with Vibrance
CM, Vi	CruiserMaxx®, Vibrance
HC	Hefty Complete
Lum	LumiGEN™ (Corteva Agriscience)
Lum,P1V	LumiGEN™ Poncho 1250/Votivo
P5V	Poncho 500/Votivo

* Seed treatments may include unspecified plant health promoting components.