

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

2021 Corn Grain Top 30 Harvest Report

Iowa North [IANO] PLYMOUTH, IA

Aaron & Stan Sprung, Cero Gordo County, IA 50464

Ultra Early-Season Test 95 - 100 Day CRM
B2021IANO05u

Top 30 of 60 For Gross Income
(Sorted by Yield)
Average of (3) Replications

PREV. CROP/HERB: Soybeans / Antaries, Roundup

SOIL DESCRIPTION: Dinsdale silty clay loam, mod.
well drained, non-irrigated

SOIL CONDITION: Conventional W/O Fall Till, very
high P, high K, 6.2 pH, 4.3%
OM, 22.0 CEC

PEST MANAGEMENT: Overtime Atz, Impact

FERTILITY - Applied N: 50 Spring, 53 Sidedress

Applied N-P-K (units): 103-35-150

SEEDED - RATE - ROW: Apr 30 35.7 /A 30" spacing

HARVESTED - STAND: Oct 22 33.9 /A

TEST COMMENTS:

Planting conditions were good in the area this year, however freezing temperatures on May 11 did leave soils cold for a bit and caused some delay in emergence until heat came back. The biggest setback for yields in this area was the D2 (severe) drought conditions that persisted all season and still exists at harvest. Areas of this Dinsdale silty clay loam revealed dry pockets within the trial site where moisture was depleted deep into the soil profile, resulting in stunted plants with small ears which also led to some variability across reps. A few big showers finally came at the end of August and left a 6.4" surplus for the month. While the moisture helped fill kernels, the damage from previous dry conditions had already been done. Results not reported due to yield variability from drought stress.

Company/Brand	Product/Brand	Seeds / Acre	Yield Bu/A	Moisture %	Lintage %	Stand (x 1000)	Gross Income \$/Acre	Rank	
Valley	2248 GP	V7GP	150	167.4	17.7	0	34.2	884	1
Valley	1148 GP	V7GP	88	167.8	17.1	0	34.2	888	2
Corn Hybrid	2248-1148-2248	V7GP	150	167.1	17.4	0	34.2	892	3
Corn Hybrid	2248-1148-2248	V7GP	88	168.8	16.3	0	34.2	897	4
Valley	2248 GP	V7GP	88	169.3	17.2	0	34.2	898	5
Valley	2248-1148-2248	V7GP	88	169.1	17.2	0	34.2	899	6
Valley	2248 GP	V7GP	88	169.2	17.2	0	34.2	900	7
Valley	2248 GP	V7GP	88	169.2	17.2	0	34.2	900	8
Valley	2248 GP	V7GP	88	169.2	17.2	0	34.2	900	9
Valley	2248 GP	V7GP	88	169.2	17.2	0	34.2	900	10
Valley	2248 GP	V7GP	88	169.2	17.2	0	34.2	900	11
Valley	2248 GP	V7GP	88	169.2	17.2	0	34.2	900	12
Valley	2248 GP	V7GP	88	169.2	17.2	0	34.2	900	13
Valley	2248 GP	V7GP	88	169.2	17.2	0	34.2	900	14
Valley	2248 GP	V7GP	88	169.2	17.2	0	34.2	900	15
Valley	2248 GP	V7GP	88	169.2	17.2	0	34.2	900	16
Valley	2248 GP	V7GP	88	169.2	17.2	0	34.2	900	17
Valley	2248 GP	V7GP	88	169.2	17.2	0	34.2	900	18
Valley	2248 GP	V7GP	88	169.2	17.2	0	34.2	900	19
Valley	2248 GP	V7GP	88	169.2	17.2	0	34.2	900	20
Valley	2248 GP	V7GP	88	169.2	17.2	0	34.2	900	21
Valley	2248 GP	V7GP	88	169.2	17.2	0	34.2	900	22
Valley	2248 GP	V7GP	88	169.2	17.2	0	34.2	900	23
Valley	2248 GP	V7GP	88	169.2	17.2	0	34.2	900	24
Valley	2248 GP	V7GP	88	169.2	17.2	0	34.2	900	25
Valley	2248 GP	V7GP	88	169.2	17.2	0	34.2	900	26
Valley	2248 GP	V7GP	88	169.2	17.2	0	34.2	900	27
Valley	2248 GP	V7GP	88	169.2	17.2	0	34.2	900	28
Valley	2248 GP	V7GP	88	169.2	17.2	0	34.2	900	29
Valley	2248 GP	V7GP	88	169.2	17.2	0	34.2	900	30



Corey Rozenboom

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Averages = **141.3** 17.2 2 33.9 746

LSD (0.10) = ns 0.6 ns

LSD (0.25) = ns 0.3 ns

C.V. = 17.6 Historic yield: 200.86 bu/a, 7 yr(s)

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

Report Date: 10/24/2021

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

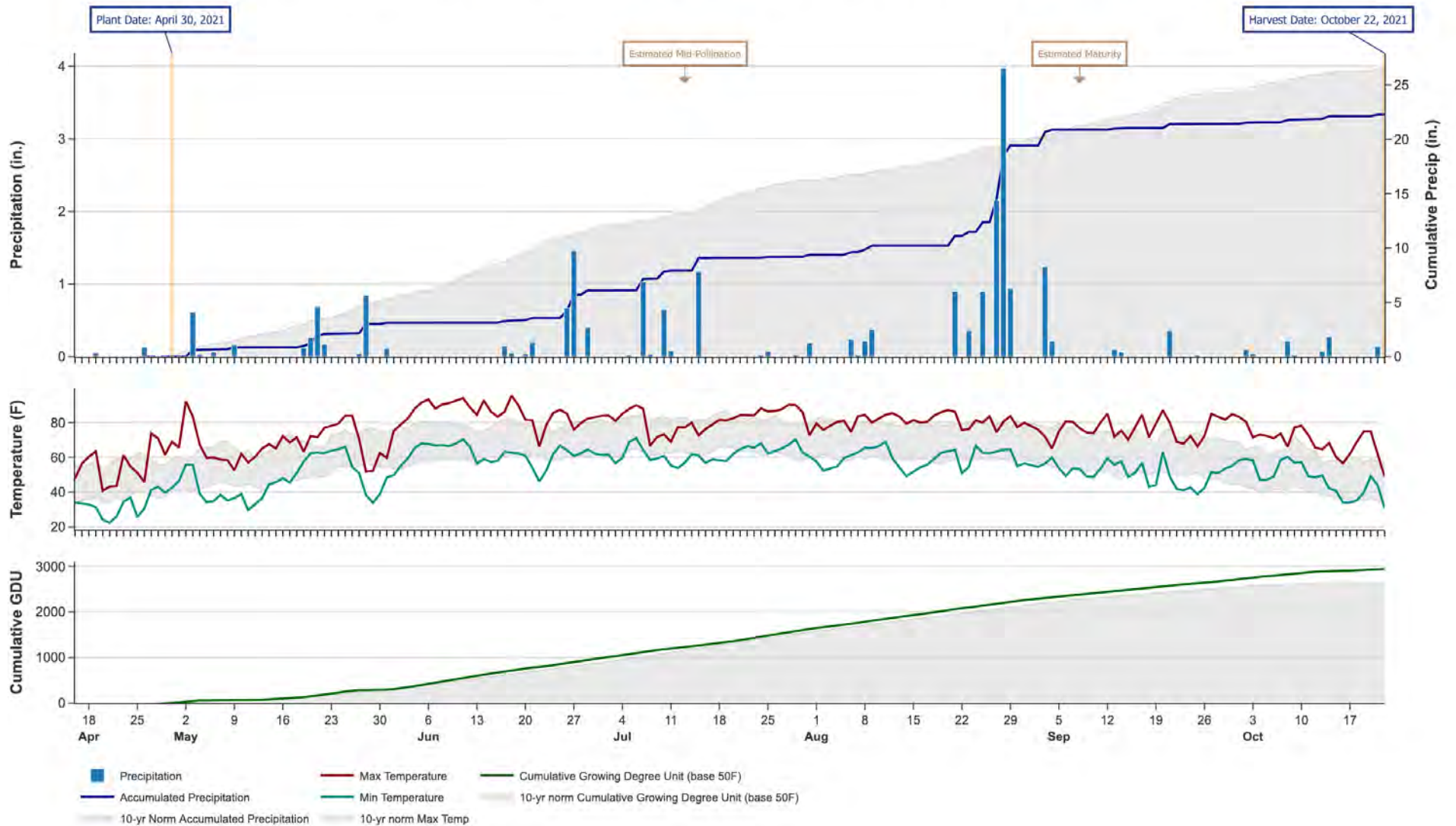
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2021 Corn - Iowa North [IANO]

Weather Conditions Summary at PLYMOUTH, IA

Weather Data Retrieved: 10/24/2021

Monthly Total	Apr*	May	Jun	Jul	Aug	Sep	Oct*	Total
Precip (in) Normal (Diff)	0.2 1.9 (-1.7)	3.1 5.3 (-2.2)	3.0 6.4 (-3.4)	3.3 4.5 (-1.3)	10.1 3.6 (+6.4)	2.0 4.4 (-2.4)	0.8 2.2 (-1.4)	22.5 28.4 (-6.0)
GDU Normal (Diff)	38 17 (+20)	294 301 (-7)	673 565 (+107)	667 692 (-25)	629 597 (+31)	448 388 (+59)	235 94 (+140)	2984 2658 (+325)



* 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
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

Company/Brand	Brand/Product	Technology	RIB	RM	Seed Treat.
Renk	RK561DGVT2PRIB	VT2PDG	Y	95	AC,P2
Renk	RK579DGVT2P	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
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
AC250	Acceleron® 250
AVC,C2	Avicta® Complete 250
AVC,C2,Vi	Avicta® Complete 250, Vibrance®
CM, Vi	CruiserMaxx®, Vibrance
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
P5V	Poncho 500/Votivo

* Seed treatments may include unspecified plant health promoting components.