

Test by: NewVenture, LLC Ellendale, MN

2021 Corn Grain Top 30 Harvest Report

Minnesota East Central [MNEC] ALBANY, MN
Ray Beutz, Stearns County, MN 56307

All-Season Test	86 - 95 Day CRM B2021MNEC01
Top 30 of 43	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Corn / Force, Halex Gt, Sterling Blue
SOIL DESCRIPTION:	Waukon Loam, loam, well drained, non-irrigated
SOIL CONDITION:	Conventional W/ Fall Till, very high P, very high K, 5.9 pH, 2.1% OM, 13.0 CEC
PEST MANAGEMENT:	Force, Halex Gt, Sterling Blue, Roundup, Status
FERTILITY - Applied N:	
Applied N-P-K (units):	0-0-0
SEEDED - RATE - ROW:	May 5 35.0 /A 30" spacing
HARVESTED - STAND:	Oct 12 32.8 /A

TEST COMMENTS:

The first thing that Ray said to me was, "I am surprised that there is anything out there". This site was very dry and did get hit with a severe storm on August 28. Lodging was severe throughout the plot. The plot could not do much without rain. The results are not reported due to high variability in yields from drought and wind damage.

Company/Brand	Product/Brand	Yield †	GR	Yield Bu/a	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/acre	Rank
Holly	44022 +	VTGP	95	127.8	17.1	22	33.4	492	1
Rock	86221VTGP +	VTGP	95	118.5	17.3	55	32.9	434	2
Federal	4522 VT2P05 +	VT2P05	95	112.8	17.7	42	34.3	412	3
East Country	86-44022 +	STK	94	112.4	17.6	22	33.4	400	4
Golden Harvest	281411 8222 828 +	8222	95	109.7	17.9	91	31.2	390	5
East Country	86-44022 +	VTGP	95	109.7	17.9	22	33.4	388	6
Rock	86-44022VTGP +	VT2P05	95	107.7	17.7	55	32.9	381	7
Rock	86-212VT2P05 +	VTGP	95	107.4	17.3	55	32.9	381	8
Holly	44022 86 +	VTGP	95	107.4	17.3	22	33.4	379	9
Latham	12-4411 VT2P 86 82 +	VTGP	95	103.2	17.7	55	32.9	360	10
Proven	760228 82 +	82	94	102.7	17.6	55	32.4	350	11
Advanced	760VTGP +	VTGP	95	102.7	17.6	54	32.4	348	12
Holly	44022 86 +	VTGP	95	102.3	17.6	22	33.4	321	13
Holly	44122 +	VTGP	95	102.3	17.4	54	32.9	327	14
Coronado	05-28088 +	88	95	99.9	18.7	73	33.4	324	15
Argenta	42841-0112 +	82	95	99.4	17.9	75	32.9	323	16
Federal	4522 VT2P05 +	VTGP	95	99.3	17.6	42	31.4	321	17
Advanced	847-2812P05 +	84	94	98.4	18.2	91	33.8	312	18
Argenta	42841-0122-82	82	95	98.4	17.7	40	32.9	313	19
Advanced	760VTGP	VTGP	95	98.3	17.6	48	31.9	307	20
Holly	44022 86 +	VTGP	95	98.3	17.7	41	33.4	301	21
Holly	44022 +	VTGP	95	97.9	17.8	42	31.9	297	22
Rock	86-212VTGP +	8222	95	97.1	17.4	75	32.4	296	23
Holly	44112 86 +	VTGP	97	96.7	17.9	92	33.8	292	24
Coronado	05-28088 +	88	95	96.0	17.8	65	32.9	289	25
GreenStax	881288 +	882	92	95.4	17.8	60	34.3	280	26
Holly	44022 86 +	VTGP	95	95.3	17.5	64	32.7	260	27
East Country	86-44022 +	VTGP	95	97.0	17.7	75	32.4	275	28
Golden Harvest	281411 8222 828 +	8222	91	95.7	17.7	91	31.2	268	29

REJECTED

Averages =	92.2	17.6	56	32.8	497
LSD (0.10) =	19.4	0.3	20		
LSD (0.25) =	10.2	0.2	10		
C.V. =	19.9				

Ed Dahle

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Historic yield: 207.94 bu/a, 4 yr(s)

Yield & Income Factors: Base Moisture = 15.0% Shrink = 1.3 Drying = \$0.025 Prices: GMO = \$5.50

Report Date: 10/13/2021

† 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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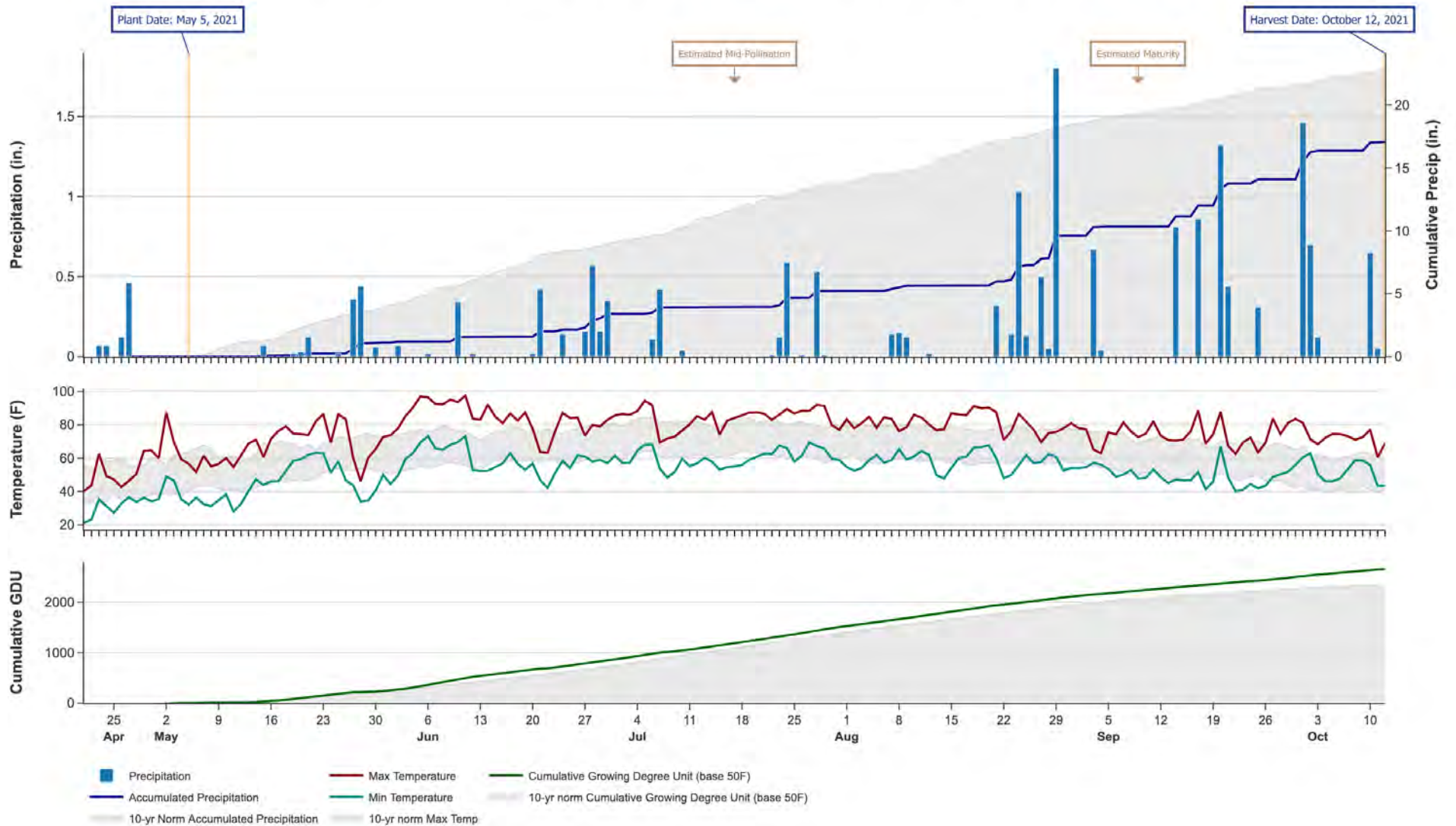
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2021 Corn - Minnesota East Central [MNEC]

Weather Conditions Summary at ALBANY, MN

Weather Data Retrieved: 10/13/2021

Monthly Total	Apr*	May	Jun	Jul	Aug	Sep	Oct*	Total
Precip (in) Normal (Diff)	0.7 1.1 (-0.3)	1.1 4.5 (-3.4)	2.3 5.0 (-2.7)	1.8 4.9 (-3.0)	4.4 4.7 (-0.2)	4.5 3.1 (+1.4)	3.0 1.4 (+1.6)	17.8 24.5 (-6.7)
GDU Normal (Diff)	7 0 (+7)	264 243 (+20)	606 493 (+112)	663 659 (+3)	606 564 (+41)	390 331 (+58)	157 56 (+100)	2693 2347 (+345)



* 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.

2021 Corn - Minnesota East Central [MNEC]

All-Season Test Products (43 Total)

Company/Brand	Product/Brand	Technology	RIB	RM	Seed Treat.
Anderson	742VT2P	VT2P	N	92	AC,P2V
Anderson	786VT2P	VT2P	N	95	AC,P2V
Augusta	A2541-3110	3110	N	91	CM,C2
Augusta	A2545-5122-EZ	5122	Y	95	CM,C2
Dahlman	R45-25VT2PRIB	VT2P	Y	90	AC,P2
Dahlman	R47-24VT2PRIB	VT2P	Y	94	AC,P2
Dahlman	R48-28VT2PRIB	VT2P	Y	95	AC,P2
Dairyland	DS-2828AM	AM	Y	88	Lum
Dairyland	DS-3022AM	AM	Y	90	Lum,P1V
Dairyland	DS-3162Q	QR	Y	91	Lum,P1V
Dairyland	DS-3193AM	AM	Y	91	Lum,P1V
Dairyland	DS-3366AM	AM	Y	93	Lum,P1V
Dairyland	DS-3550AM	AM	Y	95	Lum,P1V
Dyna-Gro	D27VC87	VT2P	N	87	AC,P5V
Enestvedt	E612RR	RR2	N	92	CM,C2,Vi
Enestvedt	E640DP RIB	VT2P	Y	94	AC250
Federal	4300 VT2PRIB	VT2P	Y	93	AC,P2,MAG
Federal	4520 VT2PDG	VT2PDG	N	95	AC,P5V,MAG
Gold Country	86-12R2P	VT2P	N	86	AC,P2,B360
Gold Country	90-07R2P	VT2P	N	90	AC,P5,B360
Gold Country	93-41R2P	VT2P	N	93	AC,P5,B360
Gold Country	94-44RSS	STX	N	94	AC,P5,B360
Gold Country	95-03R2P	VT2P	N	95	AC,P5,B360
Golden Harvest	G90S99-5222 EZR	5222	Y	90	AVC,C2,Vi
Golden Harvest	G91V51-5222A EZR	5222A	Y	91	AVC,C2,Vi
Hefty	H3632 RIB	VT2P	Y	86	HC
Hefty	H3712 RIB	VT2P	Y	87	HC
Hefty	H3922 RIB	VT2P	Y	89	HC
Hefty	H4032 RIB	VT2P	Y	90	HC
Hefty	H4052	VT2P	N	90	HC
Hefty	H4132	VT2P	N	91	HC
Hefty	H4222 RIB	VT2P	Y	92	HC
Hefty	H4322 RIB	VT2P	Y	93	HC
Hefty	H4332 RIB	VT2P	Y	93	HC
Hefty	H4522 RIB	VT2P	Y	95	HC
Latham	LH 4517 VT2P RIB GC	VT2P	Y	95	AC,P2
Pioneer	P9188AMXT GC	AMXT	Y	91	Lum
Pioneer	P9492AM GC	AM	Y	94	Lum
Renk	RK297VT2P	VT2P	N	89	AC,P5V
Renk	RK312VT2PRIB	VT2P	Y	90	AC,P2
Renk	RK315VT2P	VT2P	N	90	AC,P2
Renk	RK429-3220A	3220A	N	93	CM,C2

Company/Brand	Brand/Product	Technology	RIB	RM	Seed Treat.
Renk	RK485DGV2P	VT2PDG	N	94	AC,P5V

* 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

[^] 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

3110	Agrisure® Viptera® 3110 (Vip, CB,LL,GT)
3220A	Agrisure® Artesian® Viptera® 3220 (Vip,CB,HX,LL,GT)
5122	Agrisure® Duracade™ 5122
5222	Agrisure® Duracade™ 5222
5222A	Agrisure® Duracade™ Artesian® 5222
AM	Optimum® AcreMax®
AMXT	Optimum® AcreMax® Xtreme
QR	Qrome™
RR2	Roundup Ready® 2 Corn
STX	SmartStax®
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,B360	Acceleron® 250 with BioRise™ B-360 ST
AC,P2,MAG	Acceleron® 250, Federal ArmourGuard
AC,P2V	Acceleron® Poncho 250/Votivo
AC,P5,B360	Acceleron® 500 with BioRise™ B-360 ST
AC,P5V	Acceleron® Poncho 500/Votivo
AC,P5V,MAG	Acceleron® Poncho 500/Votivo, Federal ArmourGuard
AVC,C2,Vi	Avicta® Complete 250, Vibrance®
CM,C2	CruiserMaxx® 250
CM,C2,Vi	CruiserMaxx® 250 with Vibrance
HC	Hefty Complete
Lum	LumiGEN™ (Corteva Agriscience)
Lum,P1V	LumiGEN™ Poncho 1250/Votivo

* Seed treatments may include unspecified plant health promoting components.