

Test by: NewVenture, LLC Ellendale, MN

2021 Corn Grain Top 30 Harvest Report

Minnesota East Central [MNEC] MILACA, MN
Kevin Schreur, Mille Lacs County, MN 56353

All-Season Test	86 - 95 Day CRM B2021MNEC05
Top 30 of 43	For Gross Income (Sorted by Yield) Average of (2) Replications
PREV. CROP/HERB:	Corn / Armezon Pro, Atrazine
SOIL DESCRIPTION:	Longsiding-Grasston Complex silt loam, mod. poorly drained, non-irrigated
SOIL CONDITION:	Conventional W/O Fall Till, very high P, very high K, 5.3 pH, 2.8% OM, 12.6 CEC
PEST MANAGEMENT:	Armezon Pro, Atrazine
FERTILITY - Applied N:	55 Spring, 70 Sidedress
Applied N-P-K (units):	125-16-45
SEDED - RATE - ROW:	May 6 35.0 /A 30" spacing
HARVESTED - STAND:	Nov 2 32.6 /A

TEST COMMENTS:

This is a very flat and uniform plot site. This site was very dry at planting. Kevin noted that they did not get much rain at all from June until mid-August. The plants were standing well at harvest with a few isolated spots of stalk lodging noted. This site just needed more rain to reach its full yield potential. Due to lower yields and variability from drought stress, one replicate of the test was removed.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Pioneer	P9492AM GC ↗	AM	94	186.3	16.9	1	32.7	922	1
Dairyland	DS-3193AM ↗	AM	91	180.7	16.5	1	33.4	897	2
Golden Harvest	G90S99-5222 EZR ↗	5222	90	180.1	17.8	0	31.2	888	6
Federal	4520 VT2PDG ↗	VT2PDG	95	179.9	17.1	0	32.7	890	4
Federal	4300 VT2PRIB ↗	VT2P	93	179.7	16.8	0	31.2	891	3
Dairyland	DS-3162Q ↗	QR	91	179.7	17.0	0	31.9	890	5
Dairyland	DS-3550AM ↗	AM	95	178.1	18.1	0	32.0	877	8
Hefty	H4052 ↗	VT2P	90	177.8	16.8	0	31.2	881	7
Hefty	H3712 RIB ↗	VT2P	87	174.7	16.2	0	33.4	868	9
Hefty	H4322 RIB ↗	VT2P	93	174.2	17.0	0	30.5	862	10
Dairyland	DS-3022AM ↗	AM	90	173.1	16.9	1	31.9	857	12
Hefty	H4032 RIB ↗	VT2P	90	172.9	16.1	1	29.8	860	11
Latham	LH 4517 VT2P RIB GC ↗	VT2P	95	171.9	17.1	0	34.1	850	13
Gold Country	86-12R2P ↗	VT2P	86	171.1	16.4	0	33.4	850	14
Renk	RK485DGV2P ↗	VT2PDG	94	170.3	17.7	1	34.1	840	16
Renk	RK429-3220A ↗	3220A	93	170.0	17.4	4	34.1	840	17
Gold Country	90-07R2P ↗	VT2P	90	169.5	16.3	0	33.4	842	15
Renk	RK297VT2P ↗	VT2P	89	167.9	16.3	0	32.7	834	18
Hefty	H4522 RIB ↗	VT2P	95	167.3	17.4	1	32.7	827	19
Renk	RK315VT2P ↗	VT2P	90	165.1	16.7	0	30.5	819	20
Gold Country	95-03R2P ↗	VT2P	95	165.0	17.5	0	30.5	814	22
Enestvedt	E612RR ↗	RR2	92	164.9	17.3	0	32.7	815	21
Augusta	A2545-5122-EZ ↗	5122	95	163.6	18.4	0	34.8	804	24
Augusta	A2541-3110 ↗	3110	91	162.8	17.3	8	31.9	805	23
Dahlman	R45-25VT2PRIB ↗	VT2P	90	162.0	16.3	2	32.7	804	25
Hefty	H3632 RIB ↗	VT2P	86	160.3	15.6	0	29.8	799	26
Gold Country	94-44RSS ↗	STX	94	159.0	17.2	0	34.1	786	27
Dahlman	R47-24VT2PRIB ↗	VT2P	94	158.0	17.5	0	34.1	780	28
Hefty	H3922 RIB ↗	VT2P	89	157.6	17.1	0	33.4	780	29
Renk	RK312VT2PRIB ↗	VT2P	90	156.8	16.1	4	33.4	780	30

Averages = **161.7** **16.9** **1** **32.6** **801**

LSD (0.10) = 20.4 0.6 ns

LSD (0.25) = 10.7 0.3 ns

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C.V. = 9.7

Historic yield: 193.47 bu/a, 4 yr(s)

Yield & Income Factors: Base Moisture = 15.0% Shrink = 1.3 Drying = \$0.025 Prices: GMO = \$5.00

Report Date: 11/03/2021

† 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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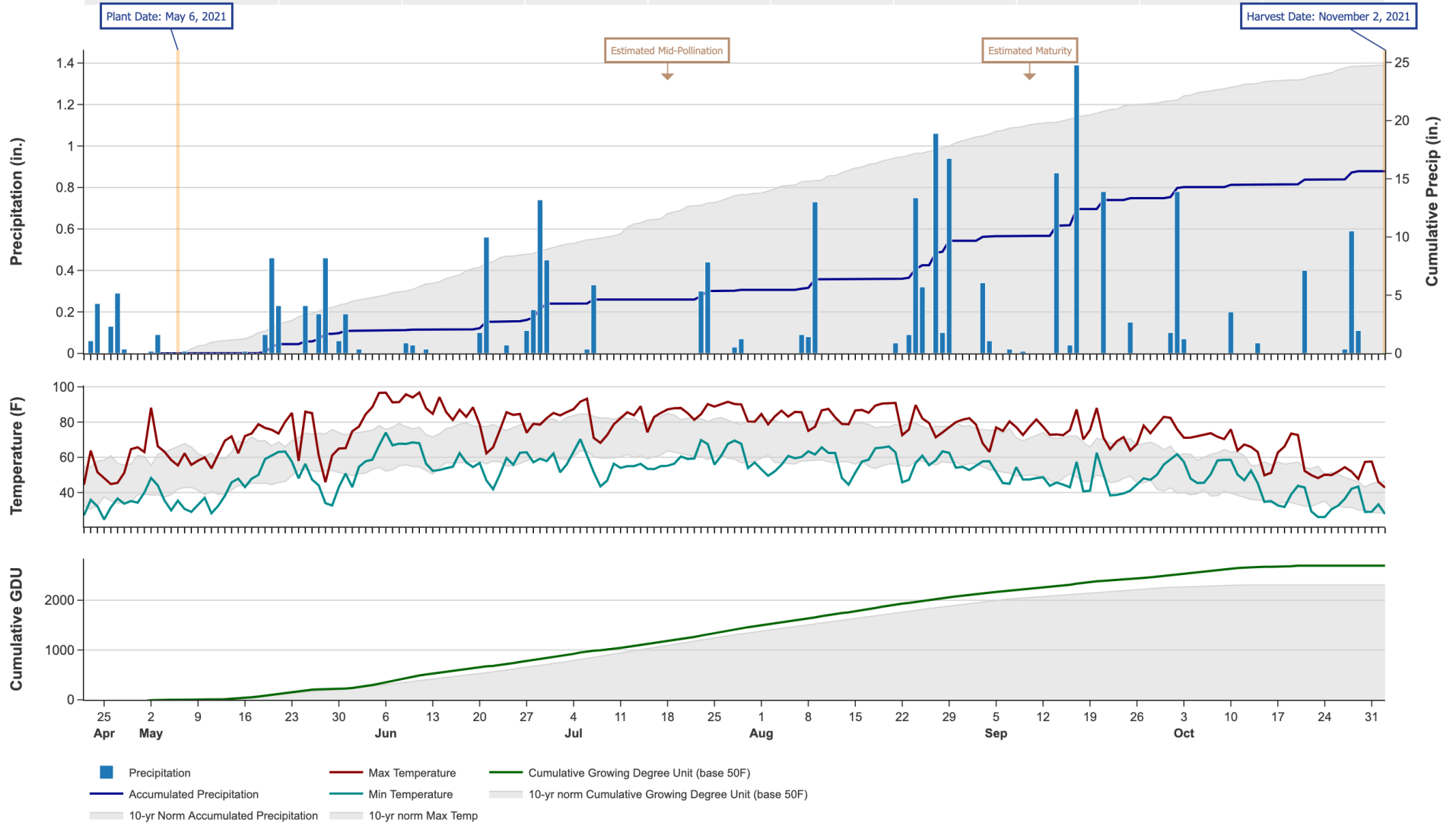
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2021 Corn - Minnesota East Central [MNEC]

Weather Conditions Summary at MILACA, MN

Weather Data Retrieved: 11/03/2021

Monthly Total	Apr*	May	Jun	Jul	Aug	Sep	Oct	Nov*	Total
Precip (in) Normal (Diff)	0.7 1.1 (-0.4)	2.0 4.9 (-2.9)	2.3 4.7 (-2.4)	1.2 4.8 (-3.6)	4.2 4.5 (-0.3)	3.7 3.4 (+0.3)	2.3 3.1 (-0.8)	0.0 0.0 (-0.0)	16.5 26.6 (-10.1)
GDU Normal (Diff)	8 0 (+8)	258 250 (+7)	610 484 (+125)	642 654 (-12)	617 558 (+58)	400 329 (+70)	200 57 (+142)	0 0 (0)	2735 2335 (+399)



* 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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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.