

Test by: Southern MN FIRST New Richland, MN

## 2021 Corn Grain Top 30 Harvest Report

Minnesota South [MNSO] MANKATO, MN

Greg Scheurer, Blue Earth County, MN 56001

**Ultra Early-Season Test** 92 - 96 Day CRM  
B2021MNSO03u

**Top 30 of 35** For Gross Income  
(Sorted by Yield)  
Average of (3) Replications

**PREV. CROP/HERB:** Soybeans / Extendmax,  
Roundup

**SOIL DESCRIPTION:** Cordova Clay Loam clay loam,  
mod. well drained, non-irrigated

**SOIL CONDITION:** Conventional W/O Fall Till, high  
P, high K, 6.0 pH, 6.4% OM,  
31.7 CEC

**PEST MANAGEMENT:** Volley, Impact, Atrazine

**FERTILITY - Applied N:** 150 Fall, 18 Spring

**Applied N-P-K (units):** 168-170-140

**SEDED - RATE - ROW:** Apr 29 35.3 /A 30" spacing

**HARVESTED - STAND:** Oct 27 33.2 /A

### TEST COMMENTS:

*Planting conditions were excellent here. We took stand counts on June 10; it was 95 degrees and humid, but the corn roots had not gotten down to find nitrogen yet. The plant color was much better 10 days later. Roots had to go deep in June, and this helped plants to get through the season. Greg noted that this field was lower yielding than other fields that were only a mile away, because this site received less rain. Plants were average height here vs. some fields where corn was 10' tall. Lodging was low, which was a nice way to finish harvesting FIRST corn plots for the year.*

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Pioneer	P9492AM GC ↗	AM	94	<b>232.0</b>	14.9	0	34.8	1218	1
Golden Harvest	G95M41-5122 EZR ↗	5122	95	<b>229.6</b>	15.2	4	34.4	1204	2
Titan Pro	85-96 ↗	CONV	96	<b>227.4</b>	15.4	0	32.1	1191	3
Augusta	A2541-3110 ↗	3110	91	<b>227.3</b>	15.7	0	33.5	1189	4
NK Brand	NK9610-5122 EZR ↗	5122	96	223.7	15.4	1	33.5	1172	5
Dairyland	DS-3550AM ↗	AM	95	222.5	15.9	1	33.0	1162	6
Augusta	A2545-5122-EZ ↗	5122	95	221.1	15.8	1	33.0	1155	7
Renk	RK485DGVT2P ↗	VT2PDG	94	219.8	15.2	0	33.9	1153	8
Titan Pro	91-95 ↗	CONV	95	219.8	15.3	2	34.4	1152	9
Viking	42-92 ↗	CONV	92	219.4	15.5	0	33.5	1148	10
Renk	RK429-3220A ↗	3220A	93	219.4	15.9	1	33.5	1146	11
Pioneer	P9489AM GC ↗	AM	94	215.0	15.4	1	33.9	1126	12
Anderson	7865 ↗	CONV	95	214.5	15.6	0	33.5	1122	13
Anderson	786VT2P ↗	VT2P	95	210.4	15.2	0	33.0	1103	14
Hefty	H4653 RIB ↗	VT2PDG	96	209.5	15.3	0	32.1	1098	15
Federal	4520 VT2PDG ↗	VT2PDG	95	208.9	15.2	1	34.4	1095	16
Enestvedt	E640DP RIB ↗	VT2P	94	208.3	15.2	1	33.5	1092	17
Enestvedt	E658DP RIB ↗	VT2P	96	207.1	15.4	0	33.0	1085	18
Hefty	H4522 RIB ↗	VT2P	95	206.9	15.1	1	34.8	1085	19
Augusta	A2345-5222-EZ ↗	5222	95	205.0	15.7	3	33.5	1072	20
NK Brand	NK9653-5222 EZR ↗	5222	96	204.7	16.4	0	32.1	1066	22
DeKalb	DKC45-94RIB GC ↗	STX	95	203.7	15.5	0	34.4	1067	21
Hefty	H4322 RIB ↗	VT2P	93	203.1	15.1	0	33.0	1066	23
Pioneer	P9188AMXT GC ↗	AMXT	91	202.1	15.4	1	33.0	1059	24
Dairyland	DS-3366AM ↗	AM	93	196.6	15.4	1	34.8	1030	25
Titan Pro	20-92 ↗	CONV	92	194.8	15.3	0	33.9	1021	26
Viking	52-96 ↗	CONV	96	193.0	15.3	1	30.8	1011	27
Hefty	H4132 ↗	VT2P	91	192.8	15.2	0	32.6	1011	28
Federal	4680 VT2PRIB ↗	VT2P	96	192.7	15.3	0	33.0	1010	29
Hefty	H4332 RIB ↗	VT2P	93	191.1	15.3	0	33.5	1002	30

Mark Querna

mark.querna@firstseedtests.com, (507) 380-9920

Averages = **207.1** **15.4** **1** **33.2** **1085**

LSD (0.10) = 18.8 0.4 ns

LSD (0.25) = 9.9 0.2 ns

C.V. = 8.6

Historic yield: 222.05 bu/a, 2 yr(s)

**Yield & Income Factors:** Base Moisture = 15.0% Shrink = 1.3 Drying = \$0.03 Prices: GMO = \$5.25

Report Date: 10/27/2021

† 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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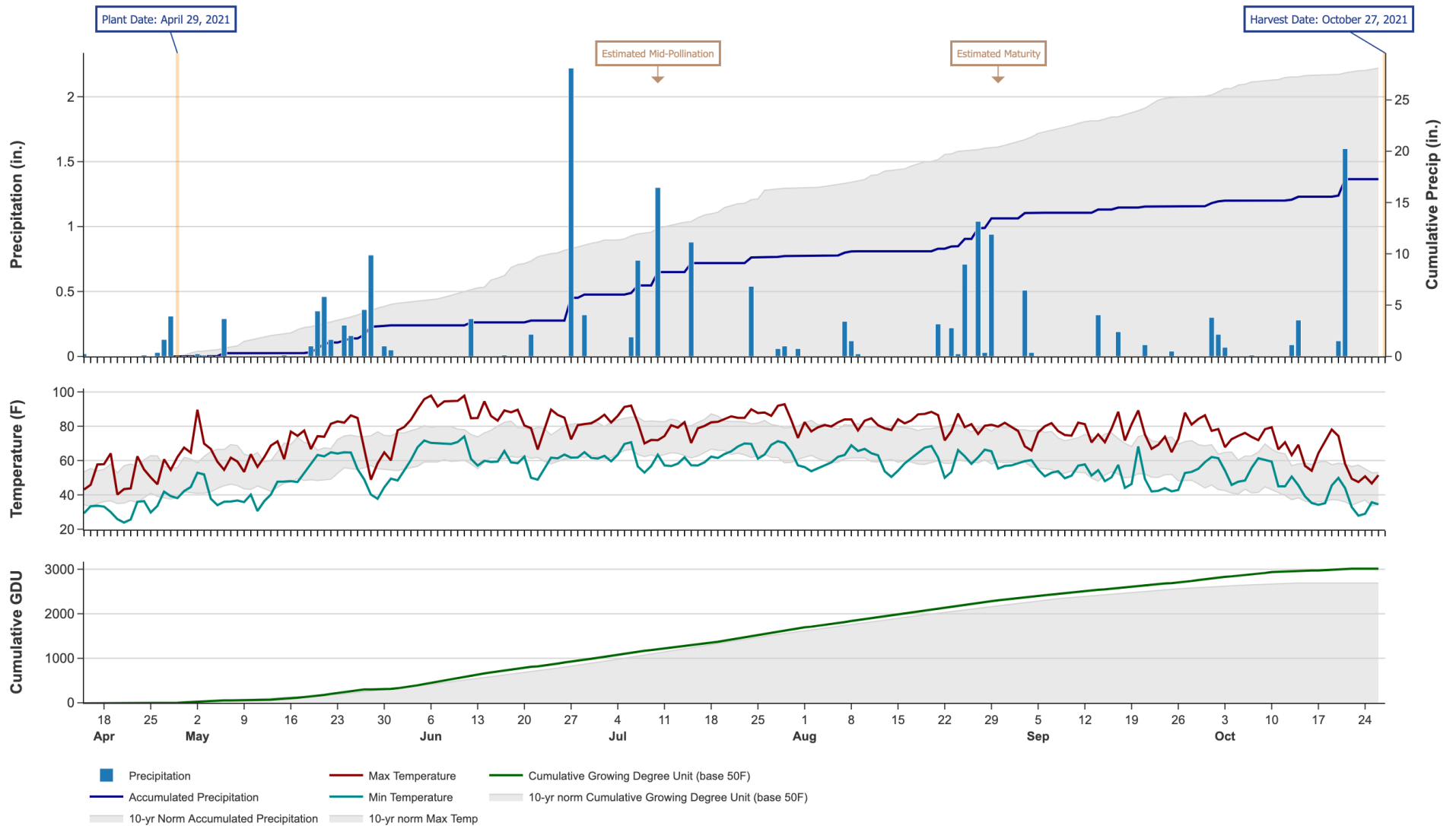
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# 2021 Corn - Minnesota South [ MNSO ]

## Weather Conditions Summary at MANKATO, MN

Weather Data Retrieved: 10/27/2021

Monthly Total	Apr*	May	Jun	Jul	Aug	Sep	Oct*	Total
Precip (in)   Normal (Diff)	0.5   2.3 (-1.8)	3.0   5.0 (-1.9)	3.0   6.0 (-2.9)	3.8   5.4 (-1.6)	3.6   4.2 (-0.5)	1.2   4.8 (-3.6)	2.6   2.7 (-0.1)	17.8   30.3 (-12.5)
GDU   Normal (Diff)	20   18 (+1)	304   302 (+1)	676   578 (+97)	686   707 (-21)	646   611 (+34)	458   393 (+64)	233   89 (+143)	3023   2701 (+321)



\* 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 South [ MNSO ]

### Ultra Early-Season Test Products (35 Total)

Company/Brand	Product/Brand	Technology	RIB	RM	Seed Treat.
Anderson	742VT2P	VT2P	N	92	AC,P2V
Anderson	7865	CONV	N	95	MQ
Anderson	786VT2P	VT2P	N	95	AC,P2V
Augusta	A2345-5222-EZ	5222	Y	95	CM,C2
Augusta	A2541-3110	3110	N	91	CM,C2
Augusta	A2545-5122-EZ	5122	Y	95	CM,C2
Dairyland	DS-3366AM	AM	Y	93	Lum,P1V
Dairyland	DS-3550AM	AM	Y	95	Lum,P1V
DeKalb	DKC45-94RIB GC	STX	Y	95	AC,P5V,B-360
Enestvedt	E640DP RIB	VT2P	Y	94	AC250
Enestvedt	E658DP RIB	VT2P	Y	96	AC250
Federal	4520 VT2PDG	VT2PDG	N	95	AC,P5V,MAG
Federal	4680 VT2PRIB	VT2P	Y	96	AC,P2,MAG
Golden Harvest	G95M41-5122 EZR	5122	Y	95	AVC,C2,Vi
Hefty	H4132	VT2P	N	91	HC
Hefty	H4322 RIB	VT2P	Y	93	HC
Hefty	H4332 RIB	VT2P	Y	93	HC
Hefty	H4522 RIB	VT2P	Y	95	HC
Hefty	H4653 RIB	VT2PDG	Y	96	HC
NK Brand	NK9610-5122 EZR	5122	Y	96	AVC,C2,Vi
NK Brand	NK9653-5222 EZR	5222	Y	96	AVC,C2,Vi
Pioneer	P9188AMXT GC	AMXT	Y	91	Lum
Pioneer	P9489AM GC	AM	N*	94	Lum
Pioneer	P9492AM GC	AM	Y	94	Lum
Renk	RK429-3220A	3220A	N	93	CM,C2
Renk	RK485DGV2P	VT2PDG	N	94	AC,P5V
Renk	RK561DGV2PRIB	VT2PDG	Y	95	AC,P2
Titan Pro	20-92	CONV	N	92	AC,P2
Titan Pro	82-95 2P	VT2P	Y	95	AC,P2
Titan Pro	85-96	CONV	N	96	AC,P2
Titan Pro	91-95	CONV	N	95	AC,P2
Viking	42-92	CONV	N	92	CM,C2,Sb
Viking	52-96	CONV	N	96	CM,C2,Sb
Wyffels	W1466	VT2P	N	94	AC,P2
Wyffels	W1546RIB	VT2P	Y	96	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.

## Footnotes and Abbreviations Descriptions

### Brand Footnotes

<sup>^</sup> 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
AM	Optimum® AcreMax®
AMXT	Optimum® AcreMax® Xtreme
CONV	Conventional
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,MAG	Acceleron® 250, Federal ArmourGuard
AC,P2V	Acceleron® Poncho 250/Votivo
AC,P5V	Acceleron® Poncho 500/Votivo
AC,P5V,B-360	Acceleron® Poncho 500/Votivo with B-360 SAT
AC,P5V,MAG	Acceleron® Poncho 500/Votivo, Federal ArmourGuard
AVC,C2,Vi	Avicta® Complete 250, Vibrance®
CM,C2	CruiserMaxx® 250
CM,C2,Sb	CruiserMaxx® 250, SabrEx Inoculant
HC	Hefty Complete
Lum	LumiGEN™ (Corteva Agriscience)
Lum,P1V	LumiGEN™ Poncho 1250/Votivo
MQ	Maxim Quattro
Treated	Treated seed, unspecified

\* Seed treatments may include unspecified plant health promoting components.