

Test by: Southern MN FIRST New Richland, MN

## 2021 Corn Grain Top 30 Harvest Report

Minnesota South [MNSO] JACKSON, MN  
Steve Ryberg, Jackson County, MN 56143

**Ultra Early-Season Test** 92 - 96 Day CRM  
B2021MNSO01u

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

**PREV. CROP/HERB:** Soybeans / Sonic, Liberty, Dual,  
Fusilade

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

**SOIL CONDITION:** Conventional W/ Fall Till, high P,  
medium K, 6.5 pH, 3.9% OM,  
25.0 CEC

**PEST MANAGEMENT:** Surpass, Force, Laudis, Atrazine

**FERTILITY - Applied N:** 183 Fall, 19# Sulfur

**Applied N-P-K (units):** 183-70-124

**SEDED - RATE - ROW:** May 1 35.3 /A 30" spacing

**HARVESTED - STAND:** Oct 14 34.0 /A

### TEST COMMENTS:

We had great planting conditions, with 3.8" rain in late May. Rainfall was below average for the season, but came at opportune times and never in excess (see weather chart on the report). Temperatures were warm all season, with June being quite warm (and more dry). Plants generally stood well at harvest, with stalk lodging affecting some plots. Stalks were weak, as no frost had been recorded as of harvest, and plants put all available nutrients into the kernels.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Hefty	H4653 RIB ↗	VT2PDG	96	<b>244.3</b>	16.9	0	33.9	1268	1
Renk	RK561DGVT2PRIB ↗	VT2PDG	95	<b>239.7</b>	17.4	0	31.7	1241	2
NK Brand	NK9610-5122 EZR ↗	5122	96	<b>234.2</b>	17.3	2	34.6	1213	3
Federal	4520 VT2PDG ↗	VT2PDG	95	232.0	16.5	1	34.8	1207	4
Pioneer	P9492AM GC ↗	AM	94	230.0	16.8	2	33.9	1195	5
Titan Pro	91-95 ↗	CONV	95	226.9	17.3	2	33.0	1176	6
Augusta	A2541-3110 ↗	3110	91	224.7	17.6	2	33.9	1162	7
Hefty	H4522 RIB ↗	VT2P	95	223.0	17.4	0	35.3	1155	8
Wyffels	W1546RIB ↗	VT2P	96	222.4	17.7	0	33.5	1150	9
Augusta	A2345-5222-EZ ↗	5222	95	221.9	18.2	2	34.4	1144	10
NK Brand	NK9653-5222 EZR ↗	5222	96	218.6	18.4	0	33.5	1125	12
Pioneer	P9489AM GC ↗	AM	94	218.2	17.2	6	34.4	1131	11
DeKalb	DKC45-94RIB GC ↗	STX	95	217.4	17.8	0	34.8	1123	14
Golden Harvest	G95M41-5122 EZR ↗	5122	95	216.4	16.9	3	33.9	1124	13
Enestvedt	E640DP RIB ↗	VT2P	94	213.8	16.8	1	33.9	1111	15
Anderson	7865 ↗	CONV	95	213.7	17.2	6	34.4	1108	16
Anderson	742VT2P ↗	VT2P	92	210.4	17.3	0	32.6	1090	17
Federal	4680 VT2PRIB ↗	VT2P	96	208.8	16.9	0	33.5	1085	18
Augusta	A2545-5122-EZ ↗	5122	95	207.7	17.6	1	33.0	1074	20
Wyffels	W1466 ↗	VT2P	94	207.2	17.2	3	34.8	1074	21
Titan Pro	85-96 ↗	CONV	96	206.9	16.8	6	33.9	1075	19
Viking	52-96 ↗	CONV	96	206.5	17.0	4	33.9	1072	22
Renk	RK485DGVT2P ↗	VT2PDG	94	203.6	16.8	1	34.4	1058	23
Renk	RK429-3220A ↗	3220A	93	203.3	17.3	2	33.5	1054	24
Dairyland	DS-3550AM ↗	AM	95	202.4	17.8	7	34.4	1046	25
Dairyland	DS-3366AM ↗	AM	93	201.6	17.2	3	34.4	1045	26
Hefty	H4332 RIB ↗	VT2P	93	200.9	16.8	1	33.9	1044	27
Titan Pro	20-92 ↗	CONV	92	200.7	17.2	3	34.8	1041	28
Viking	42-92 ↗	CONV	92	200.1	17.1	0	34.4	1038	29
Anderson	786VT2P ↗	VT2P	95	195.0	17.4	0	33.9	1010	30

*Mark Querna*

Mark Querna

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Averages = **210.6** **17.2** **2** **34.0** **1093**

LSD (0.10) = 21.9 0.4 2

LSD (0.25) = 11.5 0.2 1

C.V. = 9.8

Historic yield: 202.02 bu/a, 19 yr(s)

**Yield & Income Factors:**

Base Moisture = 15.0%

Shrink = 1.3

Drying = \$0.03

Prices: GMO = \$5.25

Report Date: 10/15/2021

† 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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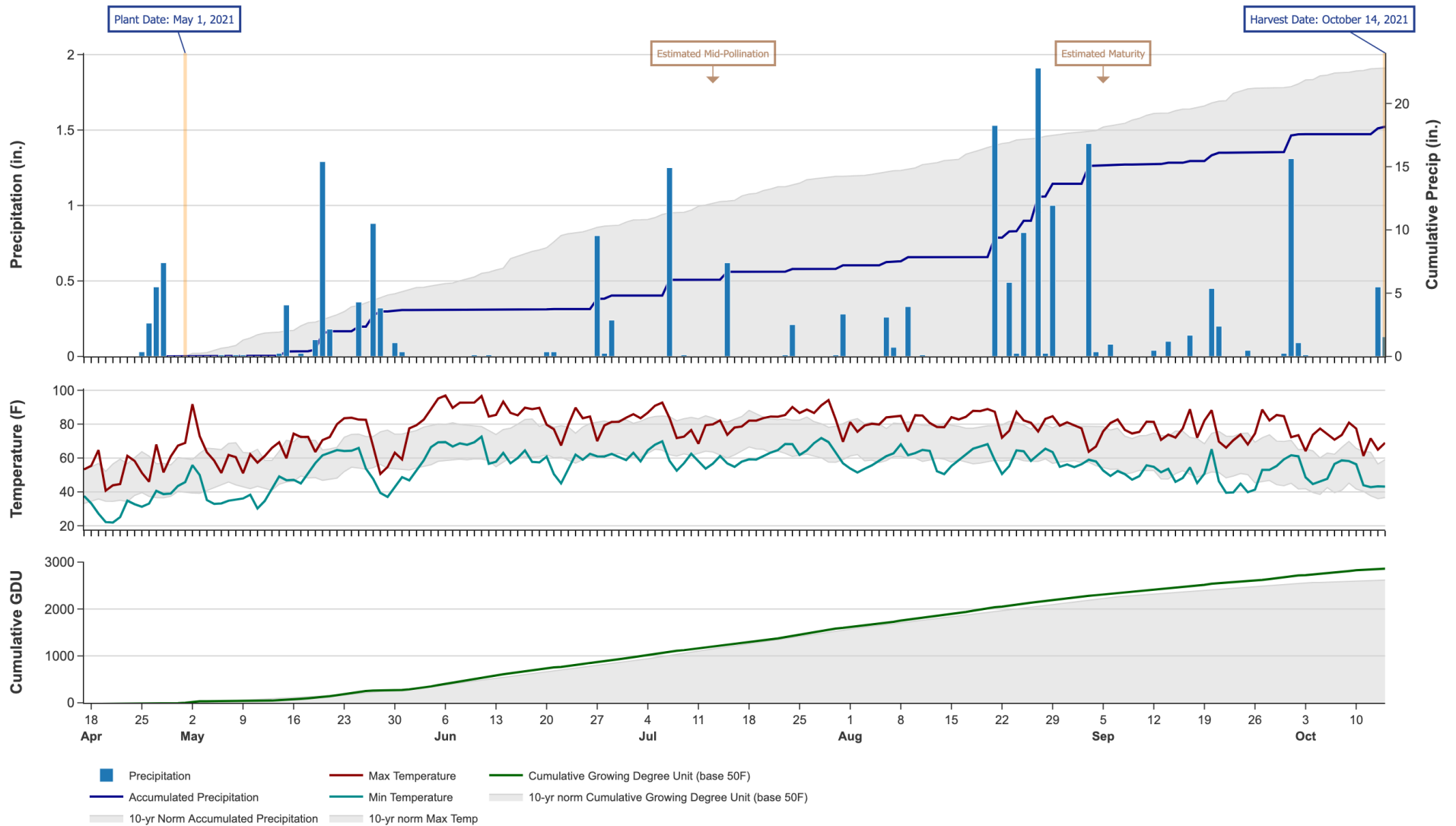
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# 2021 Corn - Minnesota South [ MNSO ]

## Weather Conditions Summary at JACKSON, MN

Weather Data Retrieved: 10/15/2021

Monthly Total	Apr*	May	Jun	Jul	Aug	Sep	Oct*	Total
Precip (in)   Normal (Diff)	1.3   1.5 (-0.2)	3.7   5.4 (-1.7)	1.1   5.3 (-4.1)	2.4   3.9 (-1.5)	6.5   3.4 (+3.1)	2.5   3.6 (-1.1)	2.0   1.5 (+0.5)	19.5   24.6 (-5.1)
GDU   Normal (Diff)	18   12 (+5)	282   281 (0)	656   570 (+85)	669   696 (-27)	640   595 (+44)	444   390 (+53)	178   84 (+93)	2887   2630 (+256)



\* 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.