

Test by: Southern MN FIRST New Richland, MN

## 2021 Corn Grain Top 30 Harvest Report

Minnesota South [MNSO] NERSTRAND, MN

Wheeling Grain Partnership, Keith, Kurt and Brian Schrader,  
Rice County, MN 55053

**Ultra Early-Season Test** 92 - 96 Day CRM  
B2021MNSO05u

### Top 30 of 35

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

### PREV. CROP/HERB:

Soybeans / Zidua Pro, Enlist,  
Roundup, Volunteer

### SOIL DESCRIPTION:

Port Byron-Dinsmore Complex  
silt loam, well drained, non-  
irrigated

### SOIL CONDITION:

Conventional W/ Fall Till, very  
high P, very high K, 6.2 pH,  
4.2% OM, 19.3 CEC

### PEST MANAGEMENT:

Force, Surestart li, Laudis

### FERTILITY - Applied N:

187 Spring

### Applied N-P-K (units):

187-78-120

### SEEDED - RATE - ROW:

May 3 35.3 /A 30" spacing

### HARVESTED - STAND:

Oct 23 33.9 /A

### TEST COMMENTS:

*Planting conditions were excellent but dry, and the seed sat in the ground for 17 days before rain helped full emergence. Rainfall came "just in time" all season, with enough moisture prior to, and during silking, to allow great pollination. Corn stood well at harvest, with minor stalk lodging in some plots. The corn grew taller than normal this year, due to the warm temps and deep roots. Rainfall from May 1 through Sept was 18.9", vs. 23.6" for the long-term average.*

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Dairyland	DS-3550AM ↗	AM	95	<b>258.9</b>	17.2	2	34.4	1342	2
Golden Harvest	G95M41-5122 EZR ↗	5122	95	<b>258.8</b>	17.0	7	35.3	1343	1
Pioneer	P9489AM GC ↗	AM	94	<b>257.8</b>	16.6	3	34.4	1341	3
NK Brand	NK9610-5122 EZR ↗	5122	96	<b>257.0</b>	17.0	4	33.9	1334	4
Anderson	7865 ↗	CONV	95	253.7	16.7	3	33.5	1319	5
Renk	RK485DGVT2P ↗	VT2PDG	94	252.6	16.4	10	34.8	1316	6
Augusta	A2545-5122-EZ ↗	5122	95	251.9	16.8	6	33.0	1309	7
Enestvedt	E658DP RIB ↗	VT2P	96	248.4	16.6	1	34.4	1292	8
Federal	4520 VT2PDG ↗	VT2PDG	95	248.1	16.5	2	34.4	1291	9
Federal	4680 VT2PRIB ↗	VT2P	96	243.4	16.3	7	33.0	1268	10
Dairyland	DS-3366AM ↗	AM	93	243.3	16.7	1	33.9	1264	11
Renk	RK429-3220A ↗	3220A	93	243.2	16.7	3	33.0	1264	12
Titan Pro	85-96 ↗	CONV	96	242.4	16.4	6	33.9	1262	13
Viking	42-92 ↗	CONV	92	241.5	16.6	3	35.3	1257	14
Hefty	H4653 RIB ↗	VT2PDG	96	241.4	16.5	5	33.5	1257	15
Titan Pro	82-95 2P ↗	VT2P	95	240.6	16.8	2	33.9	1250	16
NK Brand	NK9653-5222 EZR ↗	5222	96	240.1	17.0	1	35.3	1246	17
Viking	52-96 ↗	CONV	96	239.4	17.0	10	33.5	1242	19
Enestvedt	E640DP RIB ↗	VT2P	94	239.1	16.4	1	32.6	1245	18
Wyffels	W1466 ↗	VT2P	94	238.0	16.6	2	33.0	1238	20
Hefty	H4522 RIB ↗	VT2P	95	236.6	16.4	2	33.9	1232	21
Hefty	H4332 RIB ↗	VT2P	93	232.0	16.7	1	33.9	1206	22
Augusta	A2541-3110 ↗	3110	91	230.5	16.8	1	30.8	1198	24
Anderson	742VT2P ↗	VT2P	92	230.4	16.6	1	33.5	1199	23
Pioneer	P9492AM GC ↗	AM	94	228.2	16.2	0	34.4	1190	25
Anderson	786VT2P ↗	VT2P	95	226.1	17.1	2	33.9	1173	26
Wyffels	W1546RIB ↗	VT2P	96	224.6	17.1	2	32.1	1165	27
Titan Pro	91-95 ↗	CONV	95	223.6	16.5	7	34.4	1164	28
Augusta	A2345-5222-EZ ↗	5222	95	223.4	17.2	2	34.4	1158	30
DeKalb	DKC45-94RIB GC ↗	STX	95	223.2	16.2	3	34.8	1164	29

*Mark Querna*

Mark Querna

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

Averages = **236.1** **16.6** **3** **33.9** **1228**

LSD (0.10) = 19.2 0.4 ns

LSD (0.25) = 10.0 0.2 ns

C.V. = 7.7

Historic yield: 225.42 bu/a, 2 yr(s)

### Yield & Income Factors:

Base Moisture = 15.0%

Shrink = 1.3

Drying = \$0.03

Prices: GMO = \$5.25

Report Date: 10/24/2021

† 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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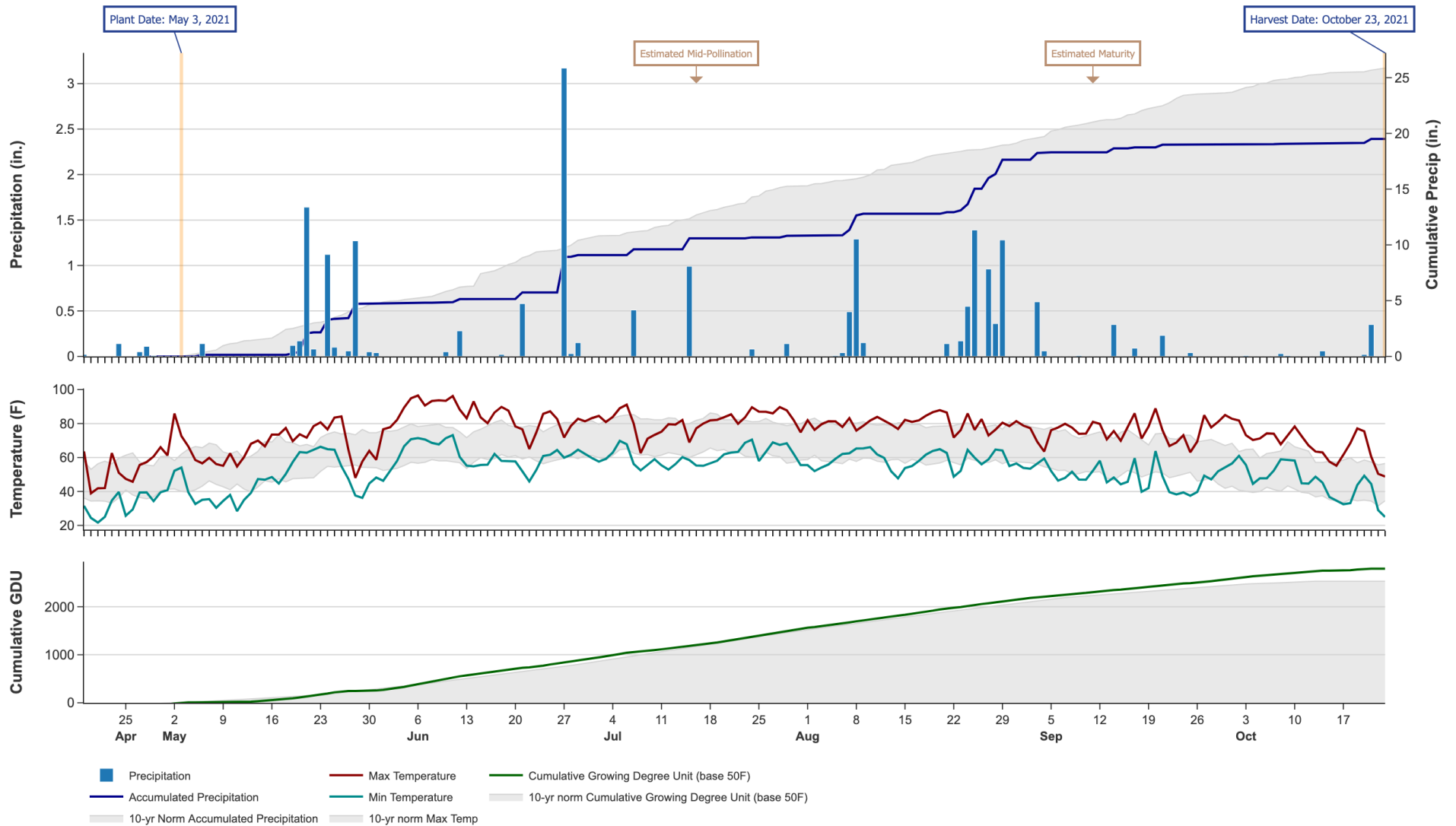
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# 2021 Corn - Minnesota South [ MNSO ]

## Weather Conditions Summary at NERSTRAND, MN

Weather Data Retrieved: 10/24/2021

Monthly Total	Apr*	May	Jun	Jul	Aug	Sep	Oct*	Total
Precip (in)   Normal (Diff)	0.3   1.4 (-1.0)	4.8   5.3 (-0.5)	4.3   5.8 (-1.5)	1.7   4.8 (-3.0)	6.8   3.8 (+3.0)	1.4   4.5 (-3.1)	0.5   2.2 (-1.7)	19.8   27.9 (-8.0)
GDU   Normal (Diff)	8   17 (-9)	294   292 (+1)	646   539 (+106)	641   676 (-35)	607   579 (+27)	418   371 (+46)	223   82 (+140)	2837   2561 (+275)



\* 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 (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.