

Test by: Southern MN FIRST New Richland, MN

2021 Corn Grain Top 30 Harvest Report

Minnesota South [MNSO] KASSON, MN
Brian Herbst, Dodge County, MN 55944

Ultra Early-Season Test 92 - 96 Day CRM
B2021MNSO04u

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

PREV. CROP/HERB: Soybeans / Sonic, Warrant,
Flexstar, Fusilade, Miravis Nevo

SOIL DESCRIPTION: Readlyn silt loam, mod. well
drained, non-irrigated

SOIL CONDITION: Conventional W/ Fall Till, very
high P, high K, 6.5 pH, 5.6%
OM, 25.8 CEC

PEST MANAGEMENT: Force, Laudis, Atrazine, Trivapro
At Vt Stage

FERTILITY - Applied N: 190 Spring, 15# Elemental
Sulfur, 15# ATS Sulfur

Applied N-P-K (units): 190-95-150

SEEDED - RATE - ROW: May 2 35.3 /A 30" spacing

HARVESTED - STAND: Oct 19 34.3 /A

TEST COMMENTS:

The crop was planted in ideal conditions, which really helped roots to grow deep. A cold snap with no frost hit on May 27. The roots found some water in the subsoil until mid-July when the tile lines stopped flowing. The early heat in June pushed GDU's. The entire growing season was probably 10-14 days ahead of average. Some late-season diseases compromised the stalks in early maturity corn. It was very tall corn that stood quite well but had brittle stalks at harvest (no frost in the fall yet).

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Federal	4520 VT2PDG ↗	VT2PDG	95	243.9	15.7	1	33.9	1275	1
DeKalb	DKC45-94RIB GC ↗	STX	95	243.7	16.0	0	34.8	1272	2
Pioneer	P9489AM GC ↗	AM	94	243.7	16.9	2	34.8	1266	3
Augusta	A2545-5122-EZ ↗	5122	95	235.2	16.2	7	33.9	1226	4
Hefty	H4653 RIB ↗	VT2PDG	96	232.7	16.0	2	34.8	1214	5
Renk	RK561DGVT2PRIB ↗	VT2PDG	95	231.2	16.6	0	33.9	1203	6
NK Brand	NK9610-5122 EZR ↗	5122	96	227.5	16.2	1	34.4	1186	7
Wyffels	W1466 ↗	VT2P	94	226.8	15.6	5	33.9	1186	8
Augusta	A2541-3110 ↗	3110	91	223.5	16.1	0	33.0	1166	9
Hefty	H4522 RIB ↗	VT2P	95	222.7	15.8	5	35.3	1164	10
Hefty	H4322 RIB ↗	VT2P	93	222.3	16.1	0	33.9	1160	11
Anderson	786VT2P ↗	VT2P	95	221.4	16.2	0	33.5	1154	12
Viking	42-92 ↗	CONV	92	219.8	15.9	0	33.5	1148	13
Renk	RK485DGVT2P ↗	VT2PDG	94	219.4	16.0	0	34.8	1145	14
Wyffels	W1546RIB ↗	VT2P	96	217.5	16.1	0	33.0	1134	15
Anderson	7865 ↗	CONV	95	216.7	16.0	1	33.5	1131	16
Dairyland	DS-3550AM ↗	AM	95	216.2	16.6	7	33.9	1125	18
Titan Pro	82-95 2P ↗	VT2P	95	215.7	16.4	3	33.9	1123	19
Pioneer	P9492AM GC ↗	AM	94	215.4	15.8	1	34.8	1126	17
Augusta	A2345-5222-EZ ↗	5222	95	215.4	16.8	0	35.3	1119	20
Enestvedt	E640DP RIB ↗	VT2P	94	213.1	15.5	0	34.8	1116	21
Anderson	742VT2P ↗	VT2P	92	213.0	16.5	0	33.5	1109	22
Titan Pro	91-95 ↗	CONV	95	212.3	16.1	1	35.3	1108	23
Renk	RK429-3220A ↗	3220A	93	212.0	15.8	5	35.3	1108	24
NK Brand	NK9653-5222 EZR ↗	5222	96	211.8	16.6	0	33.0	1102	25
Golden Harvest	G95M41-5122 EZR ↗	5122	95	208.0	15.7	4	35.3	1088	26
Enestvedt	E658DP RIB ↗	VT2P	96	205.2	15.9	0	33.0	1072	27
Titan Pro	85-96 ↗	CONV	96	205.0	16.1	35	33.9	1070	28
Viking	52-96 ↗	CONV	96	204.2	16.1	1	33.0	1065	29
Titan Pro	20-92 ↗	CONV	92	202.8	15.7	7	34.8	1060	30

Mark Querna

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Averages = **215.4** **16.0** **5** **34.3** **1124**

LSD (0.10) = 16.8 0.4 10

LSD (0.25) = 8.8 0.2 5

C.V. = 7.4

Historic yield: 217.15 bu/a, 20 yr(s)

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

Report Date: 10/19/2021

† 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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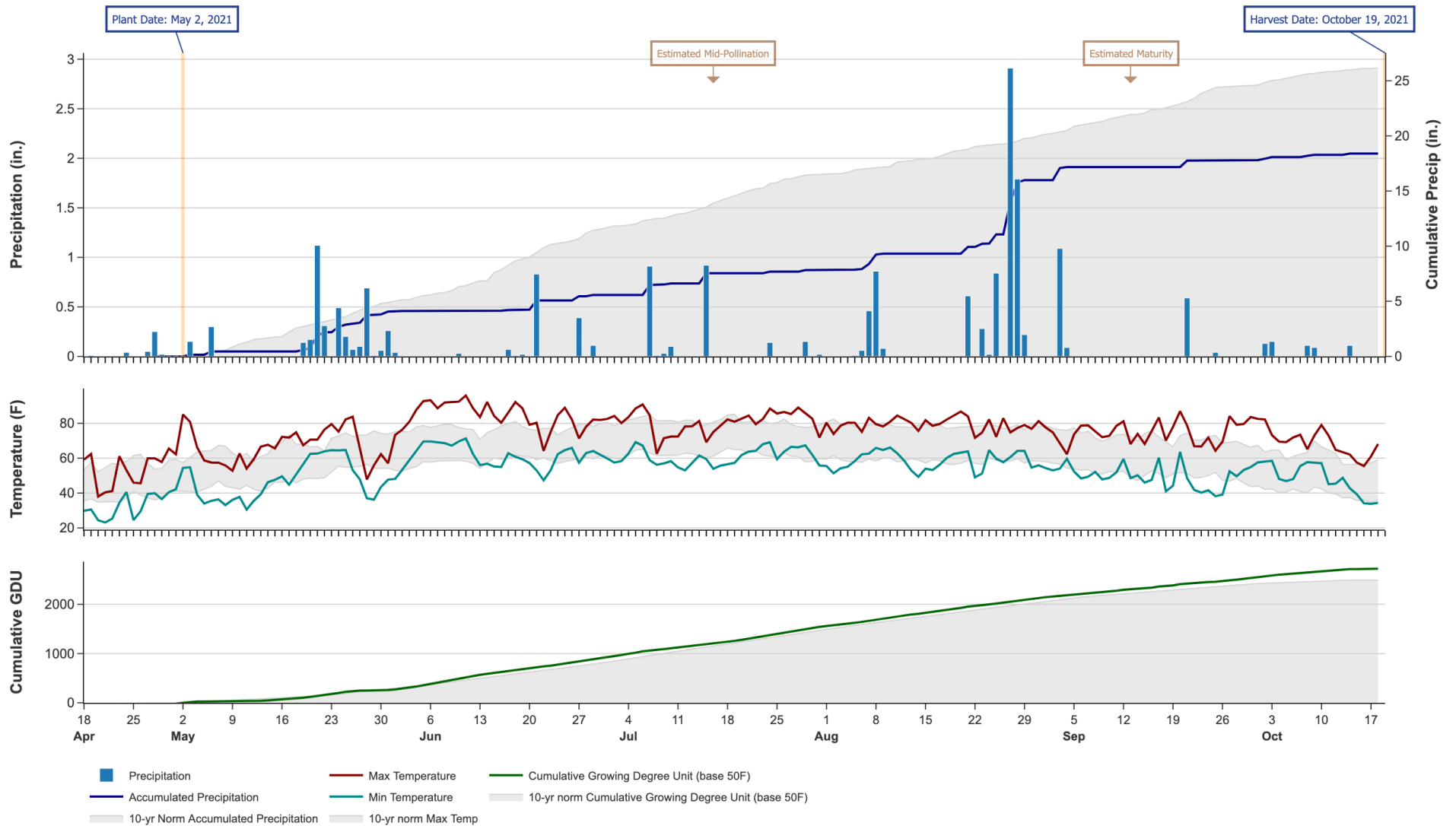
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2021 Corn - Minnesota South [MNSO]

Weather Conditions Summary at KASSON, MN

Weather Data Retrieved: 10/19/2021

Monthly Total	Apr*	May	Jun	Jul	Aug	Sep	Oct*	Total
Precip (in) Normal (Diff)	0.4 1.8 (-1.4)	4.1 5.4 (-1.3)	1.5 6.6 (-5.1)	2.3 5.0 (-2.7)	8.1 3.5 (+4.6)	1.8 4.5 (-2.7)	0.6 1.6 (-1.0)	18.8 28.4 (-9.7)
GDU Normal (Diff)	8 11 (-3)	284 280 (+3)	647 532 (+114)	635 664 (-29)	589 575 (+13)	407 362 (+44)	186 80 (+105)	2756 2507 (+248)



* 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

[^] 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.