

Test by: Southern MN FIRST New Richland, MN

2020 Corn Grain Top 30 Harvest Report

Minnesota Southwest [MNSW] MANKATO, MN
Greg Scheurer, Blue Earth County, MN 56001

Early-Season Test	97 - 102 Day CRM B2020MNSW02a
Top 30 of 80	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Soybean / Authority First, Liberty
SOIL DESCRIPTION:	Cordova clay loam, mod. well drained, non-irrigated
SOIL CONDITION:	Conventional W/O Fall Till, medium P, medium K, 5.7 pH, 4.1% OM, 26.3 CEC
PEST MANAGEMENT:	Volley, Force, Impact Z
FERTILITY - Applied N:	16 Fall, 140 Spring
Applied N-P-K (units):	156-78-56
SEEDED - RATE - ROW:	Apr 25 35.3 /A 30" spacing
HARVESTED - STAND:	Nov 3 33.1 /A

TEST COMMENTS:

Plants stood well at harvest with minimum lodging. Greg reported that this site received 32" of rain, with 7.25" falling on July 25. Two other 3" rain events also fell. We noticed that some ears were shorter than hoped in the ultra-early test, but yields were good. The third rep of the full-season test was lost at planting, but the other two reps looked great at harvest. Two October snowfalls delayed harvest here.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
TITAN PRO	26-00	5222,B	100	266.4	15.5	0	33.0	927	1
HEINE	6550VT2P	VT2P	99	255.1	14.4	0	34.4	893	2
GOLDEN HARVEST	G02K39-5122-EZR	5122,B	102	254.3	15.0	7	33.9	890	3
NK BRAND	NK0243-5122-EZR	5122,B	102	251.6	14.7	2	35.3	881	4
MILLER HYBRIDS	M02-73BGV	3220	102	246.7	15.3	0	34.8	861	5
GOLDEN HARVEST	G00H12-5122-EZR	5122,B	100	245.6	14.9	0	33.5	860	6
ANDERSON	6909	CONV	98	244.2	14.2	1	33.9	855	7
RENK	RK695GTCBLLBL	3220	102	243.7	15.3	0	30.3	850	8
HEFTY	H5144SS	STX	101	242.6	14.4	0	33.0	849	9
PIONEER	P0075Q GC	QR	100	242.4	14.6	0	31.7	848	10
PIONEER	P9998Q GC	QR	99	242.3	14.9	0	33.0	848	11
LATHAM	LH 5077 VT2P RIB	VT2P,B	100	241.8	14.4	0	33.9	846	12
MILLER HYBRIDS	M00-49	CONV	100	241.5	15.5	1	32.1	841	16
VIKING	55-02	CONV	102	241.4	15.2	1	32.6	843	14
HEFTY	H5132VT2P	VT2P	101	241.3	14.4	0	34.8	845	13
WYFFELS	W2506RIB	VT2P,B	101	240.6	14.5	0	34.4	842	15
DAIRYLAND	DS-4018AM	AM,AQ,B	101	239.5	14.8	0	32.6	838	17
DAIRYLAND	DS-4014Q	QR,B	100	236.9	15.0	0	34.4	829	18
INTEGRA	4782 VT2PRIB	VT2P,B	97	236.4	14.3	0	32.6	827	19
DAIRYLAND	DS-4000AMXTRIB	AMXT,B	100	236.3	14.9	0	33.5	827	20
INTEGRA	5280 VT2PRIB	VT2P,B	102	235.8	14.5	0	33.9	825	21
DAIRYLAND	DS-3810Q	QR,B	98	235.6	14.9	0	34.8	825	22
GOLD COUNTRY	97-14R2P	VT2P	97	235.1	14.1	0	33.0	823	23
PIONEER	P9772AM GC	AM,B	97	234.8	14.6	0	33.0	822	24
TITAN PRO	91-02	CONV	102	233.6	15.6	0	31.2	812	25
HEINE	6500VT2PRIB	VT2P,B	98	231.5	14.0	0	33.9	810	26
AUGUSTA	3052	5222,B	102	231.5	15.8	2	34.8	803	29
DYNA-GRO	D40VC41	VT2P	100	231.1	14.5	0	33.5	809	27
TITAN PRO	84-01 VT2PRIB	VT2P,B	101	229.7	14.4	0	28.5	804	28
HEINE	7010	VT2P	100	229.1	14.2	0	33.9	802	30
DEKALB	DKC52-35RIB CK	VT2P,B	102	226.9	14.7	0	32.6	794	36

Mark Querna

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Averages = **225.2** **14.6** **0** **33.1** **787**

LSD (0.10) = 18.3 0.3 1

LSD (0.25) = 9.6 0.2 0

C.V. = 7.7

Historic yield: 221.0 bu/a, 1 yr(s)

Yield & Income Factors: Base Moisture = 15.0% Shrink = 1.4 Drying = \$0.04 Prices: GMO = \$3.50

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2020 Corn Grain Top 30 Harvest Report

Minnesota Southwest [MNSW] MANKATO, MN
Greg Scheurer, Blue Earth County, MN 56001

Full-Season Test	103 - 107 Day CRM B2020MNSW02b
Top 30 of 60	For Gross Income (Sorted by Yield) Average of (2) Replications
PREV. CROP/HERB:	Soybean / Authority First, Liberty
SOIL DESCRIPTION:	Cordova clay loam, mod. well drained, non-irrigated
SOIL CONDITION:	Conventional W/O Fall Till, medium P, medium K, 5.7 pH, 4.1% OM, 26.3 CEC
PEST MANAGEMENT:	Volley, Force, Impact Z
FERTILITY - Applied N:	16 Fall, 140 Spring
Applied N-P-K (units):	156-78-56
SEEDED - RATE - ROW:	Apr 25 35.3 /A 30" spacing
HARVESTED - STAND:	Nov 3 33.1 /A

TEST COMMENTS:

Plants stood well at harvest with minimum lodging. Greg reported that this site received 32" of rain, with 7.25" falling on July 25. Two other 3" rain events also fell. We noticed that some ears were shorter than hoped in the ultra-early test, but yields were good. The third rep of the full-season test was lost at planting, but the other two reps looked great at harvest. Two October snowfalls delayed harvest here.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
HEINE	7550	STX	106	266.5	15.7	0	32.6	926	1
VIKING	51-04	CONV	104	261.5	15.8	0	32.6	907	2
LATHAM	LH 5725 VT2P RIB	VT2P,B	107	257.3	15.6	0	32.6	895	4
RENK	RK726H	PC	106	256.9	15.4	0	34.0	896	3
RENK	RK710DGV2P	VT2PDG,B	106	253.5	15.6	1	33.3	882	5
WYFFELS	W4196RIB	VT2P,B	105	253.4	15.4	1	33.3	882	6
NK BRAND	NK0472-5222-EZR	5222,B	104	252.3	16.1	0	33.9	872	7
INTEGRA	5529 VT2PRIB	VT2P,B	105	246.7	15.1	1	32.6	862	8
TITAN PRO	24-04	PC	104	245.8	15.3	1	32.6	857	9
WYFFELS	W4246	VT2P	105	243.4	15.8	0	33.9	845	10
LATHAM	LH 5739 SS RIB	STX,B	107	240.6	14.8	0	32.6	842	11
PIONEER	P0421Q GC	QR,B	104	240.1	14.9	1	33.3	840	12
GOLDEN HARVEST	G03R40-5222-EZR	5222,B	103	240.1	15.5	0	33.9	836	14
TITAN PRO	20-05	STX,B	105	240.0	15.2	0	31.3	839	13
DAIRYLAND	DS-4580Q	QR,B	104	239.8	15.4	0	35.3	835	15
VIKING	84-05	CONV	105	238.3	15.0	0	32.6	834	16
HEFTY	H5522VT2PRIB	VT2P,B	105	237.6	14.6	0	34.0	832	17
INTEGRA	5719 VT2PRIB	VT2P,B	107	237.1	15.8	0	33.3	822	21
GOLD COUNTRY	106-09R2P	VT2P	106	236.4	15.4	1	32.6	824	20
HEFTY	H5524SSRIB	STX,B	105	236.3	14.9	0	31.9	827	18
NK BRAND	NK0624-5222-EZR	5222,B	106	235.8	14.9	2	34.0	825	19
GOLD COUNTRY	106-96RSS	STX,B	106	235.6	16.0	1	34.0	815	23
HEINE	7570	STX	105	235.2	15.5	1	34.0	819	22
TITAN PRO	84-03 2P	VT2P,B	103	232.2	14.7	1	33.3	813	24
GOLDEN HARVEST	G06Q68-5222-EZR	5222,B	106	232.2	15.1	1	34.0	812	25
PIONEER	P0589 CONV GC	CONV	105	231.3	14.8	1	34.6	810	26
GOLDEN HARVEST	G04G36-3111A	3111A	104	231.3	15.1	0	33.9	808	27
RENK	RK642VT2P	VT2P,B	103	231.0	14.2	0	31.9	808	28
HEFTY	H5442VT2P	VT2P	104	229.2	14.8	1	32.6	802	29
ENESTVEDT	E598	CONV	106	229.0	14.6	2	33.3	802	30
DEKALB	DKC52-35RIB CK	VT2P,B	102	202.4	14.0	0	33.3	708	55

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Averages = **227.8** **15.1** **0** **33.1** **795**

LSD (0.10) = 24.7 0.5 ns

LSD (0.25) = 12.9 0.3 ns

C.V. = 8.4

Historic yield: 221.0 bu/a, 1 yr(s)

Yield & Income Factors: Base Moisture = 15.0% Shrink = 1.4 Drying = \$0.04 Prices: GMO = \$3.50

2020 Corn - Minnesota Southwest [MNSW]

Early-Season Test Products (80 Total)

Company/Brand	Product/Brand	Technology	RM	Seed Treat.
ANDERSON	609VT2P	VT2P,B	98	CM,C2,Vi
ANDERSON	611R	RR2	100	MQ
ANDERSON	6581	CONV	101	MQ
ANDERSON	6811	CONV	100	MQ
ANDERSON	6909	CONV	98	MQ
AUGUSTA	2545	5122,B	95	AVC,C2
AUGUSTA	3052	5222,B	102	AVC
DAIRYLAND	DS-3750AMRIB	AM,B	97	Lum,P1V
DAIRYLAND	DS-3810Q	QR,B	98	Lum,P1V
DAIRYLAND	DS-4000AMXTRIB	AMXT,B	100	Lum,P1V
DAIRYLAND	DS-4014Q	QR,B	100	Lum,P1V
DAIRYLAND	DS-4018AM	AM,AQ,B	101	Lum,P5V
DEKALB	DKC47-54RIB GC	STX,B	97	AC,P5V,EDC-EL
DEKALB	DKC50-08RIB GC	STX,B	100	ACb
DEKALB	DKC52-35RIB CK	VT2P,B	102	AC,P5V,EDC-EL
DYNA-GRO	D40VC41	VT2P	100	AC,P5V,EDC-B
DYNA-GRO	D43VC81	VT2P	102	AC,P5V,EDC-B
ENESTVEDT	E600DP RIB	VT2P,B	100	AC,P5V
ENESTVEDT	E658DP RIB	VT2P,B	96	AC,P2
ENESTVEDT	E660SS RIB	STX,B	97	AC,P5V
ENESTVEDT	E696SS RIB	STX,B	100	AC,P5V
ENESTVEDT	E699DP RIB	VT2P,B	99	AC,P2
EPLEY	E1040 GC	CONV	100	Vi5
FEDERAL	5110 STX	STX	101	AC,P5V,MAG
FEDERAL	5280 CONV	CONV	101	CM,C2,Vi
GOLD COUNTRY	102-07	CONV	102	AC
GOLD COUNTRY	97-14R2P	VT2P	97	AC
GOLD COUNTRY	97-75R2P	VT2P	97	AC
GOLD COUNTRY	98-11R2P	VT2P,B	98	AC
GOLD COUNTRY	99-01R2P	VT2P	99	AC
GOLDEN HARVEST	G00H12-5122-EZR	5122,B	100	AVC,C2,Vi
GOLDEN HARVEST	G02K39-5122-EZR	5122,B	102	AVC,C2,Vi
GOLDEN HARVEST	G99E68-5122-EZR	5122,B	99	AVC,C2,Vi
HEFTY	H4734SSRIB	STX,B	97	HC
HEFTY	H4842VT2P	VT2P	98	HC
HEFTY	H4922VT2PRIB	VT2P,B	99	HC

Company/Brand	Brand/Product	Technology	RM	Seed Treat.
HEFTY	H5132VT2P	VT2P	101	HC
HEFTY	H5144SS	STX	101	HC
HEINE	6500VT2PRIB	VT2P,B	98	AC,P2
HEINE	6550VT2P	VT2P	99	AC,P5V,EDC-EL
HEINE	6575	VT2P	99	AC,P5V,EDC-EL
HEINE	7010	VT2P	100	AC,P5V,EDC-B
HEINE	7200	VT2P	102	AC,P5V
HI FIDELITY GENETICS	HFG1001	CONV	100	AC,P5V
INTEGRA	4782 VT2PRIB	VT2P,B	97	AC,P2,St,SU
INTEGRA	4888 VT2PRIB	VT2P,B	98	AC,P2,St,SU
INTEGRA	5081 DGVT2PRIB	VT2PDG,B	100	AC,P2,St,SU
INTEGRA	5280 VT2PRIB	VT2P,B	102	AC,P2,St,SU
LATHAM	LH 4937 VT2P RIB	VT2P,B	99	AC250
LATHAM	LH 4989 SS RIB	STX,B	99	AC,P5V
LATHAM	LH 5047 VT2P RIB	VT2P,B	100	AC250
LATHAM	LH 5077 VT2P RIB	VT2P,B	100	AC250
MILLER HYBRIDS	M00-49	CONV	100	MSC
MILLER HYBRIDS	M02-73BGV	3220	102	MSC
NK BRAND	NK0243-5122-EZR	5122,B	102	AVC,C2,Vi
NK BRAND	NK9991-5122-EZR	5122,B	99	AVC,C5,Vi
NORTHSTAR	NS 100-121	STX,B	100	NA
NORTHSTAR	NS 97-547	VT2P,B	97	NA

Company/Brand	Brand/Product	Technology	RM	Seed Treat.
NORTHSTAR	NS 98-513 STXRIB	STX,B	98	NA
PIONEER	P0075Q GC	QR	100	NA
PIONEER	P9772AM GC	AM,B	97	NA
PIONEER	P9998Q GC	QR	99	NA
RENK	RK593VT2PRIB	VT2P,B	97	AC,P2
RENK	RK600SSTX	STX,B	100	AC,P5V
RENK	RK626SSTX	STX	102	AC,P5V
RENK	RK695GTCBLLBL	3220	102	CM,C2
TITAN PRO	22-00 2P	VT2P,B	100	AC250
TITAN PRO	26-00	5222,B	100	C2
TITAN PRO	84-01 VT2PRIB	VT2P,B	101	AC250
TITAN PRO	91-02	CONV	102	C2
TITAN PRO	92-99 2P	VT2P,B	99	AC250
VIKING	44-98	CONV	98	CM,C2,Sb
VIKING	52-00	CONV	100	CM,C2,Sb
VIKING	55-02	CONV	102	CM,C2,Sb
VIKING	99-00	CONV	100	CM,C2,Sb
WYFFELS	W1636RIB	VT2P,B	96	AC250
WYFFELS	W2196RIB	VT2P,B	99	AC250
WYFFELS	W2236RIB	VT2P,B	99	AC250
WYFFELS	W2506RIB	VT2P,B	101	AC250
WYFFELS	W3018	STX	102	AC,P5V

2020 Corn - Minnesota Southwest [MNSW]

Full-Season Test Products (60 Total)

Company/Brand	Product/Brand	Technology	RM	Seed Treat.
DAIRYLAND	DS-4310AMRIB	AM,B	104	Lum,P5V
DAIRYLAND	DS-4440AM	AM,B	104	Lum,P5V
DAIRYLAND	DS-4580Q	QR,B	104	Lum,P5V
DEKALB	DKC52-35RIB CK	VT2P,B	102	AC,P5V,EDC-EL
DEKALB	DKC54-64RIB GC	STX,B	104	AC,P5V,EDC-EL
DEKALB	DKC55-53RIB GC	STX,B	105	AC,P5V,EDC-EL
ENESTVEDT	E539	CONV	103	CM,C2,Vi
ENESTVEDT	E598	CONV	106	CM,C2,Vi
FEDERAL	5700 VT2P	VT2P	107	AC,P5V,MAG
GOLD COUNTRY	103-58RSS	STX	103	AC
GOLD COUNTRY	104-11	CONV	104	AC
GOLD COUNTRY	106-09R2P	VT2P	106	AC
GOLD COUNTRY	106-96RSS	STX,B	106	AC
GOLD COUNTRY	107-84R2P	VT2P	107	AC
GOLDEN HARVEST	G03R40-5222-EZR	5222,B	103	AVC,C2,Vi
GOLDEN HARVEST	G04G36-3111A	3111A	104	AVC,C2,Vi
GOLDEN HARVEST	G06Q68-5222-EZR	5222,B	106	AVC,C2,Vi
HEFTY	H5432VT2PRIB	VT2P,B	104	HC
HEFTY	H5442VT2P	VT2P	104	HC
HEFTY	H5522VT2PRIB	VT2P,B	105	HC
HEFTY	H5524SSRIB	STX,B	105	HC
HEFTY	H5624SSRIB	STX,B	106	HC
HEINE	740	VT2P,B	103	AC,P2
HEINE	7450	VT2P	104	AC,P5V,EDC-EL
HEINE	7550	STX	106	AC,P5V,EDC-EL
HEINE	7570	STX	105	AC,P5V,EDC-EL
HEINE	7710	VT2P	107	AC,P2
HI FIDELITY GENETICS	HFG1071	CONV	107	AC,P5V
INTEGRA	5351 5122-EZ	5122,B	103	AVC,C2,Vi,St,SU
INTEGRA	5529 VT2PRIB	VT2P,B	105	AC,P2,St,SU
INTEGRA	5719 VT2PRIB	VT2P,B	107	AC,P2,St,SU
INTEGRA	5770 STXRIB	STX,B	107	AC,P5V,St,SU
LATHAM	LH 5377 VT2P RIB	VT2P,B	103	AC250
LATHAM	LH 5389 SS RIB	STX,B	103	AC,P5V
LATHAM	LH 5517 VT2P RIB	VT2P,B	105	AC250
LATHAM	LH 5725 VT2P RIB	VT2P,B	107	AC250

Company/Brand	Brand/Product	Technology	RM	Seed Treat.
LATHAM	LH 5739 SS RIB	STX,B	107	AC,P5V
MILLER HYBRIDS	M05-72	VT2P	105	MSC
NK BRAND	NK0472-5222-EZR	5222,B	104	AVC,C2,Vi
NK BRAND	NK0624-5222-EZR	5222,B	106	AVC,C2,Vi
NORTHSTAR	NS 103-537	VT2P,B	103	NA
PIONEER	P0421Q GC	QR,B	104	NA
PIONEER	P0589 CONV GC	CONV	105	NA
PIONEER	P0688Q GC	QR	106	NA
RENK	RK642VT2P	VT2P,B	103	AC,P2
RENK	RK700SSTX	STX	107	AC,P5V
RENK	RK710DGV2P	VT2PDG,B	106	AC,P2
RENK	RK726H	PC	106	AC,P2
TITAN PRO	20-05	STX,B	105	AC250
TITAN PRO	24-04	PC	104	C2
TITAN PRO	26-03 5222	5222,B	103	C2
TITAN PRO	84-03 2P	VT2P,B	103	AC250
TITAN PRO	96-06 2P	VT2P,B	106	AC250
VIKING	42-05	CONV	105	CM,C2,Sb
VIKING	51-04	CONV	104	CM,C2,Sb
VIKING	84-05	CONV	105	CM,C2,Sb
WYFFELS	W4196RIB	VT2P,B	105	AC250
WYFFELS	W4246	VT2P	105	AC250
WYFFELS	W5086RIB	VT2P,B	107	AC250
WYFFELS	W5516RIB	VT2P,B	108	AC250

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*

3111A	Agrisure® Artesian® Viptera® 3111 (Vip,CB,RW,LL,GT)
3220	Agrisure® Viptera® 3220 (Vip,CB,HX,LL,GT)
5122	Agrisure® Duracade™ 5122
5222	Agrisure® Duracade™ 5222
AM	Optimum® AcreMax®
AMXT	Optimum® AcreMax® Xtreme
AQ	Optimum® AQUAmax®
B	Blend, Refuge in a Bag (RIB) or EZ-Refuge
CONV	Conventional
PC	PowerCore™
QR	Qrome™
RR2	Roundup Ready® 2 Corn
STX	SmartStax®
VT2P	Genuity® VT Double PRO®
VT2PDG	Genuity® VT Double PRO® DroughtGard®

*The refuge component genetics may vary in a refuge blend seed product.

Corn Seed Treatments**

NA	Not Available
AC	Acceleron®, unspecified
AC250	Acceleron 250
ACb	Acceleron B-300 SAT
AC,P2	Acceleron, Poncho 250
AC,P2,St,SU	Acceleron 250, Stamina, StepUp
AC,P5V	Acceleron, Poncho 500/Votivo
AC,P5V,EDC-B	Acceleron, Basic Poncho 500/Votivo with Enhanced Disease Control
AC,P5V,EDC-EL	Acceleron, ELITE Poncho 500/Votivo with Enhanced Disease Control
AC,P5V,MAG	Acceleron® Poncho 500/Votivo, FederalArmorGuard
AC,P5V,St,SU	Acceleron Poncho 500/Votivo, Stamina, StepUp
AVC	Avicta® Complete Corn
AVC,C2	Avicta Complete 250
AVC,C2,Vi	Avicta Complete 250, Vibrance
AVC,C2,Vi,St,SU	Avicta Complete 250, Vibrance, Stamina, StepUp
AVC,C5,Vi	Avicta Complete 500, Vibrance
C2	Cruiser 250
CM,C2	CruiserMaxx 250
CM,C2,Sb	CruiserMaxx 250, SabrEx Inoculant
CM,C2,Vi	CruiserMaxx 250 with Vibrance
HC	Hefty Complete
Lum,P1V	Lumigen Poncho 1250/Votivo
Lum,P5V	Lumigen Poncho 500/Votivo
MQ	Maxim Quattro
MSC	Miller Hybrids ShieldCoat™, Vertex
Vi5	Vibrance® Cinco

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