

Test by: NewVenture, LLC Ellendale, MN

2020 Corn Grain Top 30 Harvest Report

Minnesota West Central [MNWC] KERKHOVEN, MN

Rolo Dairy, Rod and Brody Lindquist, Swift County, MN 56252

Early-Season Test	93 - 98 Day CRM B2020MNWC03a
Top 30 of 63	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Soybean / NA
SOIL DESCRIPTION:	Esmond-Heimdale-Sisseton Complex loam, well drained, non-irrigated
SOIL CONDITION:	Conventional W/ Fall Till, low P, low K, 7.0 pH, 4.7% OM, 22.5 CEC
PEST MANAGEMENT:	Force, Deliver, Mesostar, Triple Flex, Roundup Power Max, Latch
FERTILITY - Applied N:	210 Spring, 15 lbsS and 2 lbs Zn
Applied N-P-K (units):	210-80-60
SEEDED - RATE - ROW:	May 1 35.1 /A 30" spacing
HARVESTED - STAND:	Nov 3 33.2 /A

TEST COMMENTS:

This site was planted in the best conditions that we have seen in many years. The site is slightly rolling and represents that area well. There was some variability across the slight rises in the plot. The corn was standing very well at harvest. Rod noted that the yield was right in line with the surrounding field.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
GOLD COUNTRY	98-11R2P	VT2P,B	98	239.6	15.1	0	34.3	838	1
GOLD COUNTRY	97-75R2P	VT2P	97	228.0	15.4	0	33.4	796	2
GOLD COUNTRY	97-14R2P	VT2P	97	223.2	15.4	0	33.4	779	3
ANDERSON	609R	RR2	98	220.3	15.3	0	34.3	770	4
LATHAM	LH 4669 SS RIB	STX,B	96	220.3	15.5	0	33.4	768	5
THUNDER	T6098 VT2P	VT2P,B	98	218.6	15.6	0	32.4	762	6
TITAN PRO	86-96 2P	VT2P,B	96	218.0	15.8	0	33.4	758	8
DAHLMAN	R48-28VT2PRIB	VT2P,B	95	217.3	15.6	0	32.9	757	9
FEDERAL	4580 VT2PRIB	VT2P,B	95	217.2	15.1	0	33.4	759	7
DAHLMAN	R49-23VT2PRIB	VT2P,B	98	216.8	16.0	0	33.4	753	11
THUNDER	T6996 VT2P	VT2P,B	96	216.7	15.8	0	34.3	754	10
RENK	RK593VT2PRIB	VT2P,B	97	213.9	15.3	0	33.4	747	12
RENK	RK568VT2P	VT2P,B	95	213.6	15.5	0	33.4	745	13
PROSEED	1998 VT2PRIB	VT2P,B	98	213.2	15.5	0	33.4	744	14
HEFTY	H4734SSRIB	STX,B	97	213.2	16.1	0	31.9	740	16
TITAN PRO	82-95 2P	VT2P,B	95	212.3	15.4	0	33.4	741	15
HEFTY	H4842VT2P	VT2P	98	212.1	15.6	0	33.9	739	17
ROB-SEE-CO	RC4343 GC	3220A,B	93	211.8	15.5	0	32.9	739	18
DAHLMAN	R49-25VT2PRIB	VT2P,B	98	211.8	15.7	0	32.4	738	19
GOLDEN HARVEST	G96R61-5222-EZR	5222,B	96	211.8	15.9	0	33.9	737	20
INTEGRA	4509 VT2PRIB	VT2P,B	95	210.5	15.7	0	34.3	733	24
ROB-SEE-CO	RC4535 GC	3110	95	210.3	15.0	0	33.4	736	21
RENK	RK561DGVT2PRIB	VT2PDG,B	95	210.3	15.3	0	33.4	734	23
RENK	RK499VT2P	VT2P	94	210.2	14.6	0	33.4	736	22
NORTHSTAR	NS 97-547 GC	VT2P,B	97	209.8	16.2	0	31.5	728	26
ANDERSON	745SRC	STX	97	208.3	16.2	0	33.8	723	28
DAIRYLAND	DS-3810Q	QR,B	98	207.5	15.7	0	33.4	723	29
ENESTVEDT	E658DP RIB	VT2P,B	96	207.3	15.3	0	33.4	724	27
HEFTY	H4732VT2PRIB	VT2P,B	96	206.8	15.2	0	31.9	723	30
INTEGRA	4782 VT2PRIB	VT2P,B	97	206.3	15.1	0	34.3	722	31
PIONEER	P0075Q CK	QR	100	210.7	16.4	0	32.9	730	25
				Averages =	205.6	15.4	0	33.2	717
				LSD (0.10) =	14.3	0.3	ns		
				LSD (0.25) =	7.5	0.2	ns		
				C.V. =	6.6				

Ed Dahle

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Historic yield: 200.0 bu/a, 4 yr(s)

Yield & Income Factors: Base Moisture = 15.0% Shrink = 1.3 Drying = \$0.025 Prices: GMO = \$3.50

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Rolo Dairy, Rod and Brody Lindquist, Swift County, MN 56252

Full-Season Test	99 - 102 Day CRM B2020MNWC03b
Top 30 of 47	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Soybean / NA
SOIL DESCRIPTION:	Esmond-Heimdale-Sisseton Complex loam, well drained, non-irrigated
SOIL CONDITION:	Conventional W/ Fall Till, low P, low K, 7.0 pH, 4.7% OM, 22.5 CEC
PEST MANAGEMENT:	Force, Deliver, Mesostar, Triple Flex, Roundup Power Max, Latch
FERTILITY - Applied N:	210 Spring, 15 lbsS and 2 lbs Zn
Applied N-P-K (units):	210-80-60
SEEDED - RATE - ROW:	May 1 35.1 /A 30" spacing
HARVESTED - STAND:	Nov 3 33.0 /A

TEST COMMENTS:

This site was planted in the best conditions that we have seen in many years. The site is slightly rolling and represents that area well. There was some variability across the slight rises in the plot. The corn was standing very well at harvest. Rod noted that the yield was right in line with the surrounding field.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
AUGUSTA	2050 GC	VT2P	100	227.7	15.4	0	33.9	794	1
TITAN PRO	92-99 2P	VT2P,B	99	226.1	15.2	0	34.8	790	2
HEFTY	H4933VT2PDGRIB	VT2PDG,B	99	222.5	15.4	0	33.4	777	3
ENESTVEDT	E699DP RIB	VT2P,B	99	219.5	15.3	0	33.9	767	4
LATHAM	LH 5049 SS RIB	STX,B	100	217.5	15.9	0	33.8	756	5
LATHAM	LH 4937 VT2P RIB	VT2P,B	99	216.0	15.1	0	33.4	755	6
FEDERAL	5110 STX	STX	101	214.1	16.2	0	33.4	743	7
DAIRYLAND	DS-4014Q	QR,B	100	213.6	16.3	0	32.4	741	9
RENK	RK600SSTX	STX,B	100	213.2	15.8	0	33.4	742	8
GOLD COUNTRY	99-01R2P	VT2P	99	212.5	16.0	0	31.4	739	12
TITAN PRO	22-00 2P	VT2P,B	100	212.3	15.9	0	32.7	738	13
HEFTY	H5003VT2PDGRIB	VT2PDG,B	100	212.2	15.8	0	32.4	738	14
GOLDEN HARVEST	G02K39-5122-EZR	5122,B	102	212.0	16.5	0	32.4	734	16
THUNDER	T6999 VT2P	VT2P,B	99	211.9	15.4	0	33.9	740	10
DYNA-GRO	D40VC41	VT2P	100	211.8	15.3	0	32.9	740	11
INTEGRA	5081 DGVT2PRIB	VT2PDG,B	100	211.8	15.7	0	34.3	737	15
DYNA-GRO	D43VC81	VT2P	102	211.5	16.2	0	33.9	734	17
GOLD COUNTRY	102-13RSS	STX	102	210.7	16.5	0	32.7	730	19
LATHAM	LH 5025 VT2PDG RIB	VT2PDG,B	100	209.9	16.1	0	31.9	729	20
PROSEED	19102 3110	3110	102	209.5	16.9	0	34.3	723	23
HEFTY	H4922VT2PRIB	VT2P,B	99	209.1	15.1	0	32.9	731	18
FEDERAL	5000 VT2PRIB	VT2P,B	100	208.1	16.4	0	32.4	721	24
DAIRYLAND	DS-4018AM	AM,AQ,B	101	207.7	15.7	0	34.8	724	22
NK BRAND	NK0243-5122-EZR	5122,B	102	207.7	16.7	0	32.9	718	28
FEDERAL	5280 VT2PRIB	VT2P,B	102	206.8	16.3	0	33.4	717	29
HEFTY	H5144SS	STX	101	206.4	15.6	0	34.3	719	26
LATHAM	LH 4989 SS RIB	STX,B	99	206.4	15.6	0	34.8	719	27
THUNDER	T6100 VT2P	VT2P,B	100	206.2	15.1	0	34.3	721	25
INTEGRA	5280 VT2PRIB	VT2P,B	102	205.9	16.5	0	34.3	713	30
DAHLMAN	R52-24VT2PRIB	VT2P,B	103	204.7	16.2	0	32.9	710	31
PIONEER	P0075Q CK	QR	100	210.2	16.7	0	33.9	727	21

Averages = **206.9** **15.9** **0** **33.0** **719**

LSD (0.10) = 12.4 0.4 ns

LSD (0.25) = 6.5 0.2 ns

Ed Dahle

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C.V. = 5.7

Historic yield: 200.0 bu/a, 4 yr(s)

Yield & Income Factors: Base Moisture = 15.0% Shrink = 1.3 Drying = \$0.025 Prices: GMO = \$3.50

2020 Corn - Minnesota West Central [MNWC]

Early-Season Test Products (63 Total)

Company/Brand	Product/Brand	Technology	RM	Seed Treat.
ANDERSON	609R	RR2	98	MQ
ANDERSON	745SRC	STX	97	AC
ANDERSON	786VT2P	VT2P	95	AC
AUGUSTA	2345 GC	3220,B	95	C2
AUGUSTA	2545	5122,B	95	AVC,C2
AUGUSTA	2843 GC	3110	93	CM,C2
DAHLMAN	R47-26VT2PRIB	VT2P,B	94	AC250
DAHLMAN	R48-28VT2PRIB	VT2P,B	95	AC250
DAHLMAN	R49-23VT2PRIB	VT2P,B	98	AC250
DAHLMAN	R49-25VT2PRIB	VT2P,B	98	AC250
DAIRYLAND	DS-3519AM	AM,B	96	Lum,P1V
DAIRYLAND	DS-3550AM	AM,B	95	Lum,P5V
DAIRYLAND	DS-3715AMRIB	AM,B	97	Lum,P5V
DAIRYLAND	DS-3750AMRIB	AM,B	97	Lum,P1V
DAIRYLAND	DS-3810Q	QR,B	98	Lum,P1V
DEKALB	DKC47-54RIB GC	STX,B	97	AC,P5V,EDC-EL
DYNA-GRO	D37VC64	VT2P	97	AC,P5V,EDC-B
ENESTVEDT	E640DP RIB	VT2P,B	94	AC,P5V
ENESTVEDT	E658DP RIB	VT2P,B	96	AC,P2
ENESTVEDT	E660SS RIB	STX,B	97	AC,P5V
FEDERAL	4580 VT2PRIB	VT2P,B	95	AC,P2,MAG
FEDERAL	4800 VT2PRIB	VT2P,B	98	AC,P2
FEDERAL	4880 VT2PRIB	VT2P,B	98	AC,P2,MAG
GOLD COUNTRY	97-14R2P	VT2P	97	AC
GOLD COUNTRY	97-75R2P	VT2P	97	AC
GOLD COUNTRY	98-11R2P	VT2P,B	98	AC
GOLDEN HARVEST	G95M41-5122-EZR	5122,B	95	AVC,C2,Vi
GOLDEN HARVEST	G96R61-5222-EZR	5222,B	96	AVC,C2,Vi
HEFTY	H4322VT2PRIB	VT2P,B	93	HC
HEFTY	H4332VT2PRIB	VT2P,B	93	HC
HEFTY	H4732VT2PRIB	VT2P,B	96	HC
HEFTY	H4734SSRIB	STX,B	97	HC
HEFTY	H4842VT2P	VT2P	98	HC
INTEGRA	4311 VT2P	VT2P	93	AC,P5V,St,SU
INTEGRA	4509 VT2PRIB	VT2P,B	95	AC,P2V,St,SU
INTEGRA	4782 VT2PRIB	VT2P,B	97	AC,P2,St,SU

Company/Brand	Brand/Product	Technology	RM	Seed Treat.
INTEGRA	4888 VT2PRIB	VT2P,B	98	AC,P2,St,SU
LATHAM	LH 4375 VT2P RIB	VT2P,B	93	AC250
LATHAM	LH 4517 VT2P RIB	VT2P,B	95	AC250
LATHAM	LH 4657 VT2P RIB	VT2P,B	96	AC250
LATHAM	LH 4669 SS RIB	STX,B	96	AC,P5V
NK BRAND	NK9653-5222-EZR	5222,B	96	AVC,C5,Vi
NK BRAND	NK9738-5222-EZR	5222,B	97	AVC,C5,Vi
NORTHSTAR	NS 97-547 GC	VT2P,B	97	NA
NORTHSTAR	NS 98-513 STXRIB GC	STX,B	98	NA
PIONEER	P0075Q CK	QR	100	NA
PIONEER	P9492AM GC	AM,B	94	NA
PROSEED	1996 VT2PRIB	VT2P,B	96	NA
PROSEED	1998 VT2PRIB	VT2P,B	98	NA
RENK	RK499VT2P	VT2P	94	AC,P2
RENK	RK561DGV2PRIB	VT2PDG,B	95	AC,P2
RENK	RK568VT2P	VT2P,B	95	AC,P2
RENK	RK593VT2PRIB	VT2P,B	97	AC,P2
ROB-SEE-CO	RC4343 GC	3220A,B	93	CM,C2
ROB-SEE-CO	RC4535 GC	3110	95	CM,C2
THUNDER	T6094 VT2P	VT2P,B	94	AC,P2
THUNDER	T6098 VT2P	VT2P,B	98	AC,P2
THUNDER	T6595 VT2P	VT2P,B	95	AC,P2
THUNDER	T6993 VT2P	VT2P,B	93	AC,P2
THUNDER	T6996 VT2P	VT2P,B	96	AC,P2
TITAN PRO	82-95 2P	VT2P,B	95	AC250
TITAN PRO	86-96 2P	VT2P,B	96	AC250
TITAN PRO	TP 68-98 SS	STX,B	98	AC,P5V

2020 Corn - Minnesota West Central [MNWC]

Full-Season Test Products (47 Total)

Company/Brand	Product/Brand	Technology	RM	Seed Treat.
ANDERSON	611VT2P	VT2P,B	100	AC
AUGUSTA	2050 GC	VT2P	100	AC,P5V
CHANNEL	199-11SXTRIB GC	STX,B	99	NA
DAHLMAN	R51-22VT2PRIB	VT2P,B	100	AC250
DAHLMAN	R52-24VT2PRIB	VT2P,B	103	AC250
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
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	E696SS RIB	STX,B	100	AC,P5V
ENESTVEDT	E699DP RIB	VT2P,B	99	AC,P2
FEDERAL	5000 VT2PRIB	VT2P,B	100	AC,P2,MAG
FEDERAL	5110 STX	STX	101	AC,P5V,MAG
FEDERAL	5280 VT2PRIB	VT2P,B	102	AC,P2,MAG
GOLD COUNTRY	102-13RSS	STX	102	AC
GOLD COUNTRY	99-01R2P	VT2P	99	AC
GOLD COUNTRY	99-30R2P	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
HEFTY	H4922VT2PRIB	VT2P,B	99	HC
HEFTY	H4933VT2PDGRIB	VT2PDG,B	99	HC
HEFTY	H5003VT2PDGRIB	VT2PDG,B	100	HC
HEFTY	H5144SS	STX	101	HC
HEFTY	H5212VT2PRIB	VT2P,B	102	HC
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 5025 VT2PDG RIB	VT2PDG,B	100	AC250
LATHAM	LH 5049 SS RIB	STX,B	100	AC,P5V
NK BRAND	NK0243-5122-EZR	5122,B	102	AVC,C2,Vi
NK BRAND	NK9991-5122-EZR	5122,B	99	AVC,C5,Vi
PIONEER	P0075Q CK	QR	100	NA
PIONEER	P9998Q GC	QR	99	NA

Company/Brand	Brand/Product	Technology	RM	Seed Treat.
PROSEED	19102 3110	3110	102	NA
RENK	RK579DGVT2P	VT2PDG,B	99	AC,P2
RENK	RK600SSTX	STX,B	100	AC,P5V
RENK	RK626SSTX	STX	102	AC,P5V
RENK	RK695GTCBLLBL	3220	102	CM,C2
THUNDER	T6100 VT2P	VT2P,B	100	AC,P2
THUNDER	T6902 VT2P	VT2P,B	102	AC,P2
THUNDER	T6999 VT2P	VT2P,B	99	AC,P2
TITAN PRO	22-00 2P	VT2P,B	100	AC250
TITAN PRO	92-99 2P	VT2P,B	99	AC250
TITAN PRO	TP 58-01 2P	VT2P,B	101	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*

3110 Agrisure® Viptera® 3110 (Vip, CB,LL,GT)
 3220 Agrisure® Viptera® 3220 (Vip,CB,HX,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
 AQ Optimum® AQUAmax®
 B Blend, Refuge in a Bag (RIB) or EZ-Refuge
 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
AC,P2	Acceleron, Poncho 250
AC,P2,MAG	Acceleron 250, Federal ArmourGuard
AC,P2,St,SU	Acceleron 250, Stamina, StepUp
AC,P2V,St,SU	Acceleron Poncho 250 Votivo, 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, Federal ArmorGuard
AC,P5V,St,SU	Acceleron Poncho 500/Votivo, Stamina, StepUp
AVC,C2	Avicta Complete 250
AVC,C2,Vi	Avicta Complete 250, Vibrance
AVC,C5,Vi	Avicta Complete 500, Vibrance
C2	Cruiser 250
CM,C2	CruiserMaxx 250
HC	Hefty Complete
Lum,P1V	Lumigen Poncho 1250/Votivo
Lum,P5V	Lumigen Poncho 500/Votivo
MQ	Maxim Quattro

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