

Test by: NewVenture, LLC Ellendale, MN

## 2020 Corn Grain Top 30 Harvest Report

Minnesota West Central [MNCW] STARBUCK, MN

Matt Moe, Pope County, MN 56381

<b>Early-Season Test</b>	93 - 98 Day CRM B2020MNCW05a
<b>Top 30 of 63</b>	For Gross Income (Sorted by Yield) Average of (2) Replications
<b>PREV. CROP/HERB:</b>	Soybean / Roundup Power Max, Avalanche Ultra, Interlock, Destiny Hc, Section Three
<b>SOIL DESCRIPTION:</b>	Hokns-Buse Loam loam, mod. well drained, non-irrigated
<b>SOIL CONDITION:</b>	Conventional W/ Fall Till, high P, medium K, 7.0 pH, 4.5% OM, 23.3 CEC
<b>PEST MANAGEMENT:</b>	Force, Halex Gt, Class Act
<b>FERTILITY - Applied N:</b>	145 Spring
<b>Applied N-P-K (units):</b>	145-65-85
<b>SEEDED - RATE - ROW:</b>	Apr 30 35.1 /A 30" spacing
<b>HARVESTED - STAND:</b>	Nov 1 33.2 /A

### TEST COMMENTS:

Planting conditions were excellent. This site is a slightly rolling site. The yield did seem to be lower over the small rises and higher in the lower spots. Matt said that August was dry and that rains were spotty. He also said that there was 3" more rain on the South side of town as they had on the North side.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
DAHLMAN	R49-25VT2PRIB	VT2P,B	98	<b>206.0</b>	16.1	0	31.2	715	1
RENK	RK568VT2P	VT2P,B	95	<b>205.7</b>	16.4	0	33.4	713	2
LATHAM	LH 4669 SS RIB	STX,B	96	<b>203.9</b>	16.9	0	32.7	704	3
LATHAM	LH 4657 VT2P RIB	VT2P,B	96	<b>200.7</b>	16.6	0	32.7	694	5
FEDERAL	4880 VT2PRIB	VT2P,B	98	<b>200.1</b>	16.0	0	34.1	695	4
FEDERAL	4580 VT2PRIB	VT2P,B	95	<b>199.6</b>	16.6	0	33.4	691	6
ENESTVEDT	E640DP RIB	VT2P,B	94	<b>196.6</b>	15.1	0	34.1	688	7
NORTHSTAR	NS 98-513 STXRIB GC	STX,B	98	<b>196.6</b>	16.2	0	33.4	682	8
GOLD COUNTRY	97-75R2P	VT2P	97	195.7	16.3	0	32.7	679	9
ENESTVEDT	E658DP RIB	VT2P,B	96	194.0	16.8	0	33.4	670	10
NK BRAND	NK9738-5222-EZR	5222,B	97	192.8	17.4	0	33.4	663	12
DAHLMAN	R48-28VT2PRIB	VT2P,B	95	192.0	16.4	0	32.7	665	11
FEDERAL	4800 VT2PRIB	VT2P,B	98	191.9	16.7	0	33.4	663	13
GOLD COUNTRY	97-14R2P	VT2P	97	190.9	16.2	0	34.1	662	14
PROSEED	1998 VT2PRIB	VT2P,B	98	190.7	16.5	0	34.8	661	15
PROSEED	1996 VT2PRIB	VT2P,B	96	190.4	16.9	0	34.1	657	16
DAHLMAN	R49-23VT2PRIB	VT2P,B	98	188.6	16.3	0	33.4	654	17
ANDERSON	786VT2P	VT2P	95	188.1	16.3	0	33.4	652	18
THUNDER	T6098 VT2P	VT2P,B	98	186.9	16.3	0	32.7	648	19
HEFTY	H4734SSRIB	STX,B	97	185.9	18.0	0	33.4	637	23
AUGUSTA	2545	5122,B	95	185.5	16.3	0	32.7	643	20
ANDERSON	609R	RR2	98	185.4	16.7	0	34.1	641	21
THUNDER	T6595 VT2P	VT2P,B	95	184.7	16.1	0	32.0	641	22
ANDERSON	745SRC	STX	97	184.6	17.7	0	33.4	634	25
GOLD COUNTRY	98-11R2P	VT2P,B	98	184.1	16.6	0	32.7	637	24
GOLDEN HARVEST	G95M41-5122-EZR	5122,B	95	181.6	16.2	0	33.4	630	26
ROB-SEE-CO	RC4535 GC	3110	95	178.9	16.5	0	31.2	620	28
INTEGRA	4509 VT2PRIB	VT2P,B	95	178.2	16.8	0	34.8	616	31
INTEGRA	4888 VT2PRIB	VT2P,B	98	177.6	15.9	0	33.4	618	29
RENK	RK593VT2PRIB	VT2P,B	97	177.6	16.1	0	33.4	617	30
PIONEER	P0075Q CK	QR	100	182.3	18.2	0	34.1	624	27

Averages = **177.1** **16.6** **0** **33.2** **613**

LSD (0.10) = 19.5 0.5 ns

LSD (0.25) = 10.2 0.3 ns

C.V. = 8.5

Historic yield: 210.3 bu/a, 3 yr(s)

Ed Dahle

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### Yield & Income Factors:

Base Moisture = 15.0%

Shrink = 1.3

Drying = \$0.025

Prices: GMO = \$3.50

Test by: NewVenture, LLC Ellendale, MN

## 2020 Corn Grain Top 30 Harvest Report

Minnesota West Central [MNWC] STARBUCK, MN

Matt Moe, Pope County, MN 56381

<b>Full-Season Test</b>	99 - 102 Day CRM B2020MNWC05b
<b>Top 30 of 47</b>	For Gross Income (Sorted by Yield) Average of (3) Replications
<b>PREV. CROP/HERB:</b>	Soybean / Roundup Power Max, Avalanche Ultra, Interlock, Destiny Hc, Section Three
<b>SOIL DESCRIPTION:</b>	Hokns-Buse Loam loam, mod. well drained, non-irrigated
<b>SOIL CONDITION:</b>	Conventional W/ Fall Till, high P, medium K, 7.0 pH, 4.5% OM, 23.3 CEC
<b>PEST MANAGEMENT:</b>	Force, Halex Gt, Class Act
<b>FERTILITY - Applied N:</b>	145 Spring
<b>Applied N-P-K (units):</b>	145-65-85
<b>SEEDED - RATE - ROW:</b>	Apr 30 35.1 /A 30" spacing
<b>HARVESTED - STAND:</b>	Nov 1 33.2 /A

### TEST COMMENTS:

Planting conditions were excellent. This site is a slightly rolling site. The yield did seem to be lower over the small rises and higher in the lower spots. Matt said that August was dry and that rains were spotty. He also said that there was 3" more rain on the South side of town as they had on the North side.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank	
DYNA-GRO	D43VC81	VT2P	102	<b>212.4</b>	18.1	0	33.4	727	2	
THUNDER	T6999 VT2P	VT2P,B	99	<b>211.2</b>	16.3	0	34.3	732	1	
DYNA-GRO	D40VC41	VT2P	100	<b>204.5</b>	17.2	0	33.8	704	3	
HEFTY	H4922VT2PRIB	VT2P,B	99	<b>203.3</b>	16.4	0	34.8	704	4	
DAIRYLAND	DS-4000AMXTRIB	AMXT,B	100	195.7	17.8	0	32.9	671	6	
ENESTVEDT	E600DP RIB	VT2P,B	100	195.4	17.4	0	31.9	672	5	
FEDERAL	5110 STX	STX	101	194.3	17.7	0	33.8	667	7	
DAIRYLAND	DS-4014Q	QR,B	100	194.0	18.2	0	31.9	663	9	
THUNDER	T6100 VT2P	VT2P,B	100	193.3	17.1	0	33.4	666	8	
HEFTY	H5003VT2PDGRIB	VT2PDG,B	100	192.8	17.9	0	32.4	661	10	
TITAN PRO	22-00 2P	VT2P,B	100	192.1	17.6	0	31.4	660	11	
INTEGRA	5081 DGVT2PRIB	VT2PDG,B	100	190.6	17.8	0	32.9	654	14	
LATHAM	LH 4989 SS RIB	STX,B	99	190.2	17.3	0	33.4	655	13	
GOLD COUNTRY	99-01R2P	VT2P	99	190.2	17.6	0	30.5	653	15	
ENESTVEDT	E696SS RIB	STX,B	100	190.1	18.2	0	29.5	650	17	
GOLD COUNTRY	102-13RSS	STX	102	190.0	18.2	0	32.4	650	18	
DAHLMAN	R51-22VT2PRIB	VT2P,B	100	189.3	16.5	0	32.4	656	12	
TITAN PRO	92-99 2P	VT2P,B	99	188.8	16.9	0	33.9	652	16	
GOLDEN HARVEST	G02K39-5122-EZR	5122,B	102	187.9	18.5	0	32.9	641	22	
FEDERAL	5000 VT2PRIB	VT2P,B	100	187.7	17.7	0	33.4	644	19	
DAHLMAN	R52-24VT2PRIB	VT2P,B	103	187.2	17.3	0	32.4	644	20	
RENK	RK600SSTX	STX,B	100	186.9	17.5	0	33.8	642	21	
LATHAM	LH 5025 VT2PDG RIB	VT2PDG,B	100	186.6	17.6	0	33.9	641	23	
AUGUSTA	2050 GC	VT2P	100	184.8	17.1	0	33.8	637	24	
ANDERSON	611VT2P	VT2P,B	100	184.7	17.5	0	33.9	635	26	
NK BRAND	NK9991-5122-EZR	5122,B	99	184.7	17.7	0	33.9	634	28	
LATHAM	LH 5049 SS RIB	STX,B	100	184.6	17.5	0	33.4	634	29	
HEFTY	H4933VT2PDGRIB	VT2PDG,B	99	184.3	16.9	0	34.3	636	25	
LATHAM	LH 4937 VT2P RIB	VT2P,B	99	183.7	16.6	0	33.4	635	27	
RENK	RK579DGVT2P	VT2PDG,B	99	182.9	16.7	0	33.9	632	30	
PIONEER	P0075Q CK	QR	100	164.0	18.7	0	34.8	559	46	
				<b>Averages =</b>	<b>186.4</b>	<b>17.6</b>	<b>0</b>	<b>33.2</b>	<b>641</b>	
				LSD (0.10) =	13.8	0.5	ns			
				LSD (0.25) =	7.3	0.3	ns			
				C.V. =	7.0					
Ed Dahle				Historic yield: 210.3 bu/a, 3 yr(s)						
ed.dahle@firstseedtests.com, (507) 456-6624										

**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

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^ 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\*

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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®

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

## Corn Seed Treatments\*\*

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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

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