

2020 Corn Grain Top 30 Performance Summary for Minnesota West Central [MNWC]



Test by: NewVenture, LLC Ellendale, MN

Early-Season Test

93 - 98 Day CRM

B2020MNWCa

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For Gross Income (Sorted by Yield), (17) Replication Average

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Gross Income \$/Acre	Rank	Clinton	Kerkhoven	Lester Prairie	Montevideo	Sedan	Starbuck *
GOLD COUNTRY	97-14R2P	VT2P	97	216.0	15.4	0	753	1	235.4	223.2	183.3	226.2	236.9	190.9
GOLD COUNTRY	98-11R2P	VT2P,B	98	212.7	15.4	0	742	2	226.8	239.6	184.8	211.1	230.0	184.1
LATHAM	LH 4669 SS RIB	STX,B	96	210.8	15.7	0	734	3	221.5	220.3	186.5	199.6	233.3	203.9
GOLD COUNTRY	97-75R2P	VT2P	97	209.3	15.4	0	730	4	219.3	228.0	171.5	207.4	234.0	195.7
TITAN PRO	86-96 2P	VT2P,B	96	208.2	15.8	0	725	5	233.2	218.0	216.2	207.5	208.7	165.9
INTEGRA	4888 VT2PRIB	VT2P,B	98	207.7	15.2	0	725	6	222.7	199.3	210.2	206.9	229.5	177.6
DAHLMAN	R49-25VT2PRIB	VT2P,B	98	206.8	15.5	0	720	7	206.2	211.8	188.9	205.7	221.9	206.0
ANDERSON	609R	RR2	98	206.6	15.6	0	720	8	221.0	220.3	187.2	211.4	214.4	185.4
RENK	RK568VT2P	VT2P,B	95	206.5	15.5	0	720	9	203.6	213.6	191.5	201.3	223.2	205.7
FEDERAL	4580 VT2PRIB	VT2P,B	95	206.1	15.4	0	718	10	213.5	217.2	192.6	194.7	219.0	199.6
RENK	RK593VT2PRIB	VT2P,B	97	205.3	15.4	0	716	11	215.0	213.9	184.7	211.8	228.9	177.6
PROSEED	1996 VT2PRIB	VT2P,B	96	204.7	15.7	0	713	12	227.4	199.6	187.5	200.5	222.8	190.4
PROSEED	1998 VT2PRIB	VT2P,B	98	204.3	15.5	0	712	13	214.9	213.2	192.9	204.4	210.0	190.7
DEKALB	DKC47-54RIB GC	STX,B	97	204.2	16.4	0	707	20	215.2	205.0	197.5	193.8	236.2	177.1
DAHLMAN	R49-23VT2PRIB	VT2P,B	98	203.9	15.7	0	709	16	214.4	216.8	185.4	196.2	221.8	188.6
FEDERAL	4880 VT2PRIB	VT2P,B	98	203.6	15.1	0	711	14	213.0	201.2	189.5	200.3	217.4	200.1
LATHAM	LH 4657 VT2P RIB	VT2P,B	96	203.6	15.5	0	710	15	217.8	197.1	186.5	200.5	219.2	200.7
ANDERSON	786VT2P	VT2P	95	203.4	15.7	0	708	17	224.6	207.0	190.5	194.2	216.0	188.1
DAIRYLAND	DS-3810Q	QR,B	98	203.4	16.2	0	706	22	205.6	207.5	221.0	200.2	221.6	164.9
TITAN PRO	82-95 2P	VT2P,B	95	203.3	15.6	0	708	18	222.7	212.3	201.2	200.4	215.4	168.0
DAHLMAN	R48-28VT2PRIB	VT2P,B	95	203.1	15.6	0	708	19	214.9	217.3	195.5	187.6	211.6	192.0
THUNDER	T6996 VT2P	VT2P,B	96	202.6	15.7	0	705	23	225.2	216.7	182.8	190.8	230.7	169.4
NORTHSTAR	NS 98-513 STXRIB GC	STX,B	98	202.5	15.3	0	707	21	224.0	197.5	186.8	196.8	213.0	196.6
FEDERAL	4800 VT2PRIB	VT2P,B	98	202.4	15.5	0	705	24	210.6	202.7	186.7	196.0	226.4	191.9
THUNDER	T6098 VT2P	VT2P,B	98	201.8	15.8	0	702	27	213.8	218.6	184.0	202.9	204.7	186.9
ROB-SEE-CO	RC4535 GC	3110	95	201.7	15.4	0	704	25	208.6	210.3	185.0	202.8	224.6	178.9
PIONEER	P9492AM GC	AM,B	94	201.6	15.1	0	704	26	209.3	206.1	198.0	196.7	225.4	174.4
DYNA-GRO	D37VC64	VT2P	97	201.0	15.1	0	702	28	212.4	194.3	200.8	208.3	232.2	157.9
INTEGRA	4509 VT2PRIB	VT2P,B	95	200.9	15.8	0	699	29	219.6	210.5	194.0	192.3	210.5	178.2
HEFTY	H4842VT2P	VT2P	98	200.7	15.9	0	698	30	206.9	212.1	195.5	205.9	223.5	160.6
PIONEER	P0075Q CK	QR	100	198.5	17.0	0	685	40	200.5	210.7	182.8	192.9	221.8	182.3
Averages =				199.0	15.6	0	693		212.7	205.6	185.2	198.0	215.1	177.1
LSD (0.10) =				8.2	0.2	ns			12.1	14.3	16.9	13.9	14.2	19.5
Ed Dahle LSD (0.25) =				4.3	0.1	ns			6.4	7.5	8.9	7.3	7.4	10.2

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Prev. years average yield for region: 199.2 bu/a, 18 yr(s)

Yield & Income Factors:

Base Moisture = 15.0%

Shrink = 1.3

Drying = \$0.03

Prices: GMO = \$3.50

† 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. *There were 2 reps for the site.

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2020 Corn Grain Top 30 Performance Summary for Minnesota West Central [MNWC]



Full-Season Test

99 - 102 Day CRM

B2020MNWCb

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For Gross Income (Sorted by Yield), (18) Replication Average

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Gross Income \$/Acre	Rank	Clinton	Kerkhoven	Lester Prairie	Montevideo	Sedan	Starbuck	
DYNA-GRO	D43VC81	VT2P	102	219.3	17.2	0	755	1	233.0	211.5	216.5	197.5	244.9	212.4	
DAIRYLAND	DS-4014Q	QR,B	100	216.8	17.0	0	748	3	238.9	213.6	202.0	221.6	230.6	194.0	
GOLD COUNTRY	99-01R2P	VT2P	99	216.0	16.3	0	749	2	236.1	212.5	211.5	220.2	225.5	190.2	
AUGUSTA	2050 GC	VT2P	100	214.7	16.1	0	746	4	232.6	227.7	182.8	219.4	241.0	184.8	
TITAN PRO	92-99 2P	VT2P,B	99	214.1	15.7	0	745	5	227.8	226.1	194.4	220.5	227.2	188.8	
DYNA-GRO	D40VC41	VT2P	100	213.9	15.9	0	744	6	231.1	211.8	174.6	222.2	239.3	204.5	
DAIRYLAND	DS-4000AMXTRIB	AMXT,B	100	213.7	16.8	0	739	10	225.6	197.9	213.6	211.5	237.9	195.7	
THUNDER	T6999 VT2P	VT2P,B	99	213.6	15.7	0	744	7	219.3	211.9	205.5	200.5	233.5	211.2	
THUNDER	T6100 VT2P	VT2P,B	100	213.2	15.9	0	741	8	234.8	206.2	200.8	216.3	227.9	193.3	
HEFTY	H4933VT2PDGRIB	VT2PDG,B	99	212.8	15.8	0	740	9	235.4	222.5	196.0	200.9	237.7	184.3	
INTEGRA	5081 DGV2PRIB	VT2PDG,B	100	212.6	16.5	0	736	11	233.5	211.8	194.0	200.9	244.8	190.6	
ENESTVEDT	E600DP RIB	VT2P,B	100	211.1	16.1	0	734	12	242.6	189.9	189.0	213.6	236.4	195.4	
PIONEER	P9998Q GC	QR	99	211.0	16.6	0	730	13	227.3	203.4	227.0	218.4	210.7	179.0	
GOLD COUNTRY	102-13RSS	STX	102	209.5	17.2	0	722	20	225.4	210.7	182.3	209.1	239.6	190.0	
HEFTY	H4922VT2PRIB	VT2P,B	99	209.1	15.8	0	727	14	215.8	209.1	192.2	206.9	227.4	203.3	
FEDERAL	5280 VT2PRIB	VT2P,B	102	209.1	16.4	0	725	15	238.7	206.8	211.0	201.9	213.9	182.5	
FEDERAL	5110 STX	STX	101	209.0	16.5	0	724	16	239.3	214.1	183.4	200.8	222.3	194.3	
LATHAM	LH 5025 VT2PDG RIB	VT2PDG,B	100	208.4	16.4	0	722	18	219.4	209.9	193.1	206.0	235.2	186.6	
DAIRYLAND	DS-4018AM	AM,AQ,B	101	208.4	16.5	0	722	21	213.1	207.7	207.1	210.8	229.7	181.9	
RENK	RK626SSTX	STX	102	208.4	17.0	0	719	23	232.2	199.0	199.1	226.9	208.8	184.7	
TITAN PRO	22-00 2P	VT2P,B	100	208.2	16.3	0	722	19	223.2	212.3	190.2	196.9	234.4	192.1	
HEFTY	H5003VT2PDGRIB	VT2PDG,B	100	208.0	16.5	0	720	22	219.8	212.2	198.9	203.9	220.4	192.8	
GOLD COUNTRY	99-30R2P	VT2P	99	206.7	15.9	0	719	24	212.9	200.9	218.6	208.5	220.0	179.1	
ENESTVEDT	E699DP RIB	VT2P,B	99	206.3	15.7	0	719	25	216.0	219.5	201.3	204.1	216.1	180.9	
HEFTY	H5144SS	STX	101	205.7	16.3	0	714	26	238.1	206.4	191.6	211.8	215.4	171.1	
RENK	RK600SSTX	STX,B	100	205.3	16.4	0	711	30	222.8	213.2	178.0	203.6	227.2	186.9	
LATHAM	LH 4989 SS RIB	STX,B	99	205.1	16.3	0	712	29	214.5	206.4	182.3	195.9	241.7	190.2	
RENK	RK579DGV2P	VT2PDG,B	99	204.9	16.0	0	712	28	230.8	193.7	193.4	203.0	225.4	182.9	
DAHLMAN	R51-22VT2PRIB	VT2P,B	100	204.4	15.4	0	713	27	209.9	200.8	195.0	209.3	222.3	189.3	
TITAN PRO	TP 58-01 2P	VT2P,B	101	204.0	15.8	0	709	31	211.1	190.6	204.9	204.9	235.1	177.1	
PIONEER	P0075Q CK	QR	100	209.6	17.1	0	723	17	219.6	210.2	203.2	214.0	246.4	164.0	
				Averages =	207.0	16.5	0	717		224.3	206.9	193.8	205.5	224.7	186.4
				LSD (0.10) =	7.2	0.2	ns			13.0	12.4	17.9	12.9	15.0	13.8
Ed Dahle				LSD (0.25) =	3.8	0.1	ns			6.8	6.5	9.4	6.8	7.9	7.3

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Yield & Income Factors:

Base Moisture = 15.0%

Shrink = 1.3

Drying = \$0.03

Prices: GMO = \$3.50

† 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.

2020 Corn Grain - 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 Grain - 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	RK579DGV2P	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 Grain 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 Grain 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.