

2021 Corn Grain Top 30 Performance Summary for Minnesota West Central [MNWC]

Early-Season Test

93 - 98 Day CRM

B2021MNVCa

Top 30 of 48

For Gross Income (Sorted by Yield), (12) Replication Average

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Gross Income \$/Acre	Rank	Brooten	Clinton	Kerkhoven REJECTED	Lester Prairie	Montevideo	Starbuck No Results
DAIRYLAND	DS-3727AM ↗	AM	97	234.4	17.0	1	1186	2	286.6	244.6	167.3	213.0	193.4	
RENK	RK590VT2P ↗	VT2P	98	234.1	16.7	0	1186	3	270.9	229.4	210.5	211.0	225.1	
GOLD COUNTRY	97-14R2P ↗	VT2P	97	233.7	16.1	0	1190	1	242.9	236.4	197.3	228.7	226.8	
ENESTVEDT	E658DP RIB ↗	VT2P	96	231.6	16.2	0	1178	4	274.8	227.1	187.3	219.5	204.8	
PROSEED	2196 VT2PRIB ↗	VT2P	96	230.7	16.5	0	1173	5	255.1	219.1	194.2	223.6	224.9	
INTEGRA	4702 VT2PRIB ↗	VT2P	97	226.4	16.4	0	1153	6	261.6	213.5	199.3	228.1	202.6	
TITAN PRO	11-98 2P ↗	VT2P	98	225.6	16.7	10	1148	7	221.9	234.0	202.8	236.6	210.1	
RENK	RK593VT2PRIB ↗	VT2P	97	225.1	16.3	5	1144	8	250.0	235.7	199.3	203.6	211.0	
TITAN PRO	86-96 2P ↗	VT2P	96	224.5	16.4	1	1143	9	240.5	220.4	188.2	231.7	205.3	
HEFTY	H4842 RIB ↗	VT2P	98	224.4	16.6	0	1141	10	252.7	215.7	187.1	230.6	198.7	
FEDERAL	4880 VT2PRIB ↗	VT2P	98	223.9	16.2	4	1140	11	267.2	216.7	177.1	216.9	194.6	
RENK	RK429-3220A ↗	3220A	93	223.7	16.2	3	1139	12	240.6	244.4	185.0	215.6	194.2	
TITAN PRO	82-95 2P ↗	VT2P	95	223.3	16.6	3	1136	13	228.5	245.4	182.1	229.3	189.9	
HEFTY	H4732 ↗	VT2P	97	223.3	16.5	0	1134	15	252.0	232.0	182.0	207.8	201.2	
THUNDER	T6298 VT2P ↗	VT2P	98	223.2	16.0	5	1136	14	245.8	234.6	194.4	212.2	199.9	
DEKALB	DKC48-95RIB GC ↗	VT2P	98	222.6	16.5	2	1131	17	264.1	235.4	182.5	212.4	178.4	
RENK	RK485DGV2P ↗	VT2PDG	94	222.2	16.2	14	1132	16	269.5	207.8	155.3	225.4	186.0	
RENK	RK561DGV2PRIB ↗	VT2PDG	95	221.6	16.7	0	1125	19	250.8	232.7	192.3	211.4	191.6	
DAHLMAN	R49-23VT2PRIB ↗	VT2P	98	221.3	16.6	0	1122	20	262.8	226.3	202.1	195.1	200.8	
DYNA-GRO	D37VC64 ↗	VT2P	97	221.2	16.1	3	1126	18	244.7	240.6	182.1	211.4	188.2	
LATHAM	LH 4669 SS RIB ↗	STX	96	220.5	17.4	0	1116	22	252.5	217.3	186.3	209.7	202.4	
INTEGRA	4509 VT2PRIB ↗	VT2P	95	219.7	16.3	1	1119	21	252.2	206.4	177.3	222.0	198.4	
HEFTY	H4332 RIB ↗	VT2P	93	219.0	15.9	0	1115	23	256.6	221.9	152.0	207.4	190.0	
GOLD COUNTRY	95-03R2P ↗	VT2P	95	218.5	16.6	0	1112	24	252.4	220.0	152.9	225.1	176.4	
PROSEED	1998 VT2PRIB ↗	VT2P	98	217.3	16.3	0	1106	25	241.4	216.6	192.3	210.9	200.2	
DAIRYLAND	DS-3550AM ↗	AM	95	216.9	16.6	8	1103	26	228.4	221.5	194.3	219.0	198.8	
ANDERSON	609R ↗	RR2	98	216.9	16.2	1	1103	27	245.2	212.8	189.4	202.2	207.3	
DAIRYLAND	DS-3715AM ↗	AM	97	216.4	16.5	1	1101	29	240.8	216.4	193.1	213.7	194.7	
LATHAM	LH 4517 VT2P RIB ↗	VT2P	95	216.4	16.3	1	1103	28	235.5	210.5	198.7	219.8	199.8	
DAHLMAN	R49-25VT2PRIB ↗	VT2P	98	216.0	16.6	3	1098	30	246.8	205.2	196.0	216.0	196.0	
PIONEER	P0075Q CK	QR	100	215.2	17.4	4	1087	36	232.8	216.4	171.8	192.5	218.9	
Averages =				218.5	16.4	3	1111		244.5	221.4	186.4	212.4	195.1	
LSD (0.10) =				11.7	0.3	6			22.2	13.4	22.7	16.0	16.4	
LSD (0.25) =				6.1	0.2	3			11.6	7.0	11.9	8.4	8.6	

Variable yields due to drought stress

Lost to severe drought

Ed Dahle
 ed.dahle@firstseedtests.com, (507) 456-6624

Prev. years average yield for region: 194.29 bu/a, 19 yr(s)

Yield & Income Factors: Base Moisture = 15.0% Shrink = 1.3 Drying = \$0.03 Prices: GMO = \$5.50

† 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. ↗ New! Links to full product yield results at www.firstseedtests.com *There were 2 reps for the site.

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2021 Corn Grain Top 30 Performance Summary for Minnesota West Central [MNWC]

Full-Season Test
99 - 102 Day CRM

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B2021MNWCb

For Gross Income (Sorted by Yield), (15) Replication Average

Company/Brand	Product/Brand	Technol. †	RM	Yield Bu/A ↓	Moisture %	Lodging %	Gross Income \$/Acre	Rank	Brooten	Clinton	Kerkhoven	Lester Prairie	Montevideo	Starbuck No Results	
LATHAM	LH 4937 VT2P RIB ↗	VT2P	99	233.1	16.3	7	1180	1	282.7	225.6	211.8	216.9	228.7		
DYNA-GRO	D43VC81 ↗	VT2P	102	228.9	17.8	1	1150	2	268.2	221.1	231.0	214.3	210.1		
THUNDER	T6999 VT2P ↗	VT2P	99	226.9	16.6	5	1148	3	265.9	237.6	207.5	234.3	188.9		
DYNA-GRO	D40VC41 ↗	VT2P	100	222.9	16.5	2	1126	4	250.6	238.5	217.1	204.5	203.6		
HEFTY	H5055 ↗	TRE	100	222.7	17.1	2	1123	5	246.8	236.2	209.2	211.7	209.5		
ENESTVEDT	E699DP RIB ↗	VT2P	99	222.3	16.7	3	1122	6	264.8	225.1	219.4	204.2	197.9		
TITAN PRO	22-00 2P ↗	VT2P	100	221.2	17.5	0	1112	7	258.5	236.5	217.9	198.2	194.8		
GOLD COUNTRY	99-01R2P ↗	VT2P	99	219.2	17.2	4	1105	9	243.9	232.5	225.5	206.9	187.2		
HEFTY	H4922 RIB ↗	VT2P	99	218.7	16.5	5	1106	8	240.7	228.4	209.5	212.3	202.8		
DAIRYLAND	DS-4000AMXT ↗	AMXT	100	218.3	17.2	0	1102	10	249.7	217.5	205.5	221.1	197.9		
INTEGRA	5280 VT2PRIB ↗	VT2P	102	217.6	17.6	0	1094	11	251.1	220.2	207.0	203.6	206.3		
FEDERAL	5280 VT2PRIB ↗	VT2P	102	216.7	17.7	0	1087	13	261.7	224.4	215.4	185.9	196.0		
DAIRYLAND	DS-4014Q ↗	QR	100	215.6	17.4	0	1086	15	247.8	224.8	210.7	211.6	183.1		
HEFTY	H4933 RIB ↗	VT2PDG	99	215.5	16.9	5	1087	14	246.5	225.6	213.5	202.6	189.4		
RENK	RK579DGV2P ↗	VT2PDG	99	214.7	17.1	2	1084	16	231.5	236.1	201.9	218.5	185.7		
FEDERAL	5120 STX ↗	STX	101	214.5	17.8	1	1078	19	240.3	212.4	210.3	206.0	203.5		
LATHAM	LH 4957 VT2P RIB ↗	VT2P	99	214.0	16.9	0	1082	17	242.0	215.8	211.3	219.6	181.2		
THUNDER	T8100 SS ↗	STX	100	213.6	16.9	0	1078	20	268.3	206.9	204.6	199.0	189.2		
TITAN PRO	92-99 2P ↗	VT2P	99	213.5	16.7	5	1078	18	255.2	223.0	213.2	199.8	176.1		
GOLDEN HARVEST	G99E68-5122 EZR ↗	5122	99	212.9	17.5	5	1070	22	287.8	221.7	197.4	193.9	163.7		
HEFTY	H4942 RIB ↗	VT2P	99	211.9	16.7	1	1072	21	260.3	223.0	186.1	211.7	178.7		
HEFTY	H5132 RIB ↗	VT2P	101	211.8	16.9	6	1069	23	240.3	218.4	221.2	197.9	181.5		
INTEGRA	5052 STXRIB ↗	STX	100	211.3	17.6	0	1063	24	234.5	218.3	193.9	200.0	209.7		
CHANNEL	199-29 STXRIB GC ↗	STX	99	210.8	17.2	0	1061	26	251.3	239.9	204.4	183.7	174.8		
THUNDER	T6100 VT2P ↗	VT2P	100	210.3	16.7	7	1062	25	235.7	209.5	216.6	196.5	193.4		
LATHAM	LH 5159 SS RIB ↗	STX	101	210.0	17.6	1	1057	29	244.1	202.9	214.7	210.1	178.0		
RENK	RK600VT2P ↗	VT2P	100	209.9	16.9	5	1061	27	243.0	221.0	199.3	212.8	173.6		
AGRIGOLD	A631-90VT2PRO GC ↗	VT2P	101	209.8	18.3	1	1050	31	261.4	229.4	196.6	182.7	179.0		
DAHLMAN	R50-25VT2PRIB ↗	VT2P	100	209.4	16.8	10	1057	28	224.0	218.2	214.9	196.7	193.1		
ENESTVEDT	E600DP RIB ↗	VT2P	99	208.1	16.5	2	1053	30	255.7	221.3	198.9	206.0	158.7		
PIONEER	P0075Q CK	QR	100	216.5	17.5	3	1090	12	250.5	225.9	195.8	207.5	202.9		
				Averages =	210.4	17.3	3	1060		244.7	216.7	204.0	200.5	185.1	
				LSD (0.10) =	10.7	0.3	5			21.0	19.1	14.1	14.9	25.1	
				LSD (0.25) =	5.6	0.1	2			11.0	10.0	7.4	7.8	13.2	

Lost to severe drought

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Yield & Income Factors: Base Moisture = 15.0% Shrink = 1.3 Drying = \$0.03 Prices: GMO = \$5.50

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Additional reports available at www.firstseedtests.com

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Report Date: 10/24/2021

2021 Corn Grain - Minnesota West Central [MNWC]

Early-Season Test Products (48 Total)

Company/Brand	Product/Brand	Technology	RIB	RM	Seed Treat.
Anderson	609R	RR2	N	98	MQ
Anderson	786R	RR2	N	95	MQ
Dahlman	R49-23VT2PRIB	VT2P	Y	98	AC,P2
Dahlman	R49-25VT2PRIB	VT2P	Y	98	AC,P2
Dairyland	DS-3366AM	AM	Y	93	Lum,P1V
Dairyland	DS-3550AM	AM	Y	95	Lum,P1V
Dairyland	DS-3715AM	AM	Y	97	Lum,P1V
Dairyland	DS-3727AM	AM	Y	97	Lum,P1V
DeKaib	DKC48-95RIB GC	VT2P	Y	98	AC,P5,B360
Dyna-Gro	D37VC64	VT2P	N	97	AC,P5V
Enestvedt	E658DP RIB	VT2P	Y	96	AC250
Federal	4820 VT2P	VT2P	N	98	AC,P5V,MAG
Federal	4880 VT2PRIB	VT2P	Y	98	AC,P2,MAG
Gold Country	94-44RSS	STX	N	94	AC,P5,B360
Gold Country	95-03R2P	VT2P	N	95	AC,P5,B360
Gold Country	97-14R2P	VT2P	N	97	AC,P5,B360
Gold Country	98-11R2P	VT2P	Y	98	AC,P5,B360
Golden Harvest	G95M41-5122 EZR	5122	Y	95	AVC,C2,Vi
Golden Harvest	G96R61-5222 EZR	5222	Y	96	AVC,C2,Vi
Hefty	H4322 RIB	VT2P	Y	93	HC
Hefty	H4332 RIB	VT2P	Y	93	HC
Hefty	H4522 RIB	VT2P	Y	95	HC
Hefty	H4732	VT2P	N	97	HC
Hefty	H4842 RIB	VT2P	Y	98	HC
Integra	4311 VT2PRIB	VT2P	Y	93	AC,P5V,SU
Integra	4509 VT2PRIB	VT2P	Y	95	AC,P2,SU
Integra	4702 VT2PRIB	VT2P	Y	97	AC,P5V,EDC-B
Latham	LH 4375 VT2P RIB	VT2P	Y	93	AC,P2
Latham	LH 4454 VT2P RIB	VT2P	Y	94	AC,P2
Latham	LH 4517 VT2P RIB	VT2P	Y	95	AC,P2
Latham	LH 4657 VT2P RIB	VT2P	Y	96	AC,P2
Latham	LH 4669 SS RIB	STX	Y	96	AC,P5
NK Brand	NK9653-5222 EZR	5222	Y	96	AVC,C2,Vi
Pioneer	P0075Q CK	QR	Y	100	Lum
Proseed	1998 VT2PRIB	VT2P	Y	98	AVC,C2,Vi
Proseed	2196 VT2PRIB	VT2P	Y	96	AVC,C2,Vi
Renk	RK429-3220A	3220A	N	93	CM,C2
Renk	RK485DGV2P	VT2PDG	N	94	AC,P5V
Renk	RK561DGV2PRIB	VT2PDG	Y	95	AC,P2
Renk	RK590VT2P	VT2P	N	98	AC,P5V
Renk	RK593VT2PRIB	VT2P	Y	97	AC,P2
Thunder	T6294 VT2P	VT2P	Y	94	AC,P5,B360

Company/Brand	Brand/Product	Technology	RIB	RM	Seed Treat.
Thunder	T6298 VT2P	VT2P	Y	98	AC,P5,B360
Thunder	T6595 VT2P	VT2P	Y	95	AC,P2
Thunder	T6996 VT2P	VT2P	Y	96	AC,P2
Titan Pro	11-98 2P	VT2P	Y	98	AC,P5
Titan Pro	82-95 2P	VT2P	Y	95	AC,P2
Titan Pro	86-96 2P	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.

2021 Corn Grain - Minnesota West Central [MNWC]

Full-Season Test Products (46 Total)

Company/Brand	Product/Brand	Technology	RIB	RM	Seed Treat.
AgriGold	A629-12VT2RIB GC	VT2P	Y	99	AC,P5V
AgriGold	A631-90VT2PRO GC	VT2P	N	101	AC,P5V
Augusta	A2150-5222-EZ	5222	Y	100	CM,C2
Channel	199-29 STXRIB GC	STX	Y	99	AC,P5V
Dahlman	R50-25VT2PRIB	VT2P	Y	100	AC,P2
Dairyland	DS-3959Q	QR	Y	99	Lum,P1V
Dairyland	DS-4000AMXT	AMXT	Y*	100	Lum,P1V
Dairyland	DS-4014Q	QR	Y	100	Lum,P1V
Dairyland	DS-4018AM	AM	Y	101	Lum,P1V
Dyna-Gro	D40VC41	VT2P	N	100	AC,P5V
Dyna-Gro	D43VC81	VT2P	N	102	AC,P5V
Enestvedt	E600DP RIB	VT2P	Y	99	AC250
Enestvedt	E699DP RIB	VT2P	Y	99	AC250
Federal	5120 STX	STX	N	101	AC,P5V,MAG
Federal	5280 VT2PRIB	VT2P	Y	102	AC,P2,MAG
Gold Country	101-49RSS	STX	N	101	AC,P5V,B-360
Gold Country	102-07RSS	STX	Y	102	AC,P5V,B-360
Gold Country	99-01R2P	VT2P	N	99	AC,P5,B360
Golden Harvest	G02K39-5122 EZR	5122	Y	102	AVC,C2,Vi
Golden Harvest	G99E68-5122 EZR	5122	Y	99	AVC,C2,Vi
Hefty	H4922 RIB	VT2P	Y	99	HC
Hefty	H4933 RIB	VT2PDG	Y	99	HC
Hefty	H4942 RIB	VT2P	Y	99	HC
Hefty	H5055	TRE	N	100	HC
Hefty	H5132 RIB	VT2P	Y	101	HC
Integra	5052 STXRIB	STX	Y	100	AC,P5V,EDC-B
Integra	5280 VT2PRIB	VT2P	Y	102	AC,P2,SU
Latham	LH 4937 VT2P RIB	VT2P	Y	99	AC,P2
Latham	LH 4957 VT2P RIB	VT2P	Y	99	AC,P5V,EDC-B
Latham	LH 5049 SS RIB	STX	Y	100	AC,P5
Latham	LH 5159 SS RIB	STX	Y	101	AC,P5
Latham	LH 5209 5222-EZ	5222	Y	102	AVC,C5
NK Brand	NK0243-5122 EZR	5122	Y	102	AVC,C2,Vi
NK Brand	NK9930-5122 EZR	5122	Y	99	AVC,C2,Vi
NK Brand	NK9991-5122 EZR	5122	Y	99	AVC,C2,Vi
Pioneer	P0075Q CK	QR	Y	100	Lum
Renk	RK579DGV2P	VT2PDG	Y	99	AC,P2
Renk	RK600VT2P	VT2P	N	100	AC,P2
Thunder	T6100 VT2P	VT2P	Y	100	AC,P2
Thunder	T6902 VT2P	VT2P	Y	102	CM,C2,Vi
Thunder	T6999 VT2P	VT2P	Y	99	AC,P2
Thunder	T8100 SS	STX	Y	100	AC,P5

Company/Brand	Brand/Product	Technology	RIB	RM	Seed Treat.
Titan Pro	16-00 5222	5222	Y	100	AVC,C5,Vi
Titan Pro	22-00 2P	VT2P	Y	100	AC,P2
Titan Pro	58-01 2P	VT2P	Y	101	AC,P2
Titan Pro	92-99 2P	VT2P	Y	99	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.

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

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
QR	Qrome™
RR2	Roundup Ready® 2 Corn
STX	SmartStax®
TRE	Genuity® Trecepta™
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 Grain Seed Treatments*

NA	Not Available
AC250	Acceleron® 250
AC,P2	Acceleron® 250
AC,P2,MAG	Acceleron® 250, Federal ArmourGuard
AC,P2,SU	Acceleron® 250, StepUp
AC,P5	Acceleron® 500
AC,P5,B360	Acceleron® 500 with BioRise™ B-360 ST
AC,P5V	Acceleron® Poncho 500/Votivo
AC,P5V,B-360	Acceleron® Poncho 500/Votivo with B-360 SAT
AC,P5V,EDC-B	Acceleron® BASIC Poncho 500/Votivo with Enhanced Disease Control
AC,P5V,MAG	Acceleron® Poncho 500/Votivo, Federal ArmourGuard
AC,P5V,SU	Acceleron® Poncho 500/Votivo, StepUp
AVC,C2,Vi	Avicta® Complete 250, Vibrance®
AVC,C5	Avicta® Complete 500
AVC,C5,Vi	Avicta® Complete 500, Vibrance
CM,C2	CruiserMaxx® 250
CM,C2,Vi	CruiserMaxx® 250 with Vibrance
HC	Hefty Complete
Lum	LumiGEN™ (Corteva Agriscience)
Lum,P1V	LumiGEN™ Poncho 1250/Votivo
MQ	Maxim Quattro

* Seed treatments may include unspecified plant health promoting components.