

2021 Corn Grain Top 30 Performance Summary for Red River Central North Dakota & Minnesota [RRCE]

Early-Season Test

80 - 85 Day CRM

B2021RRCEa

Top 30 of 32

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

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Gross Income \$/Acre	Rank	Buffalo	East Grand Forks	Georgetown	Hope *	Warren REJECTED
ROB-SEE-CO	RC3240-GT ↗	GT	82	<b>202.1</b>	16.0	1	1048	1	<b>198.8</b>	<b>206.5</b>	<b>203.3</b>	<b>200.0</b>	117.3
GOLDEN HARVEST	G84J92-3120A EZR ↗	3120A	84	<b>196.6</b>	17.4	0	1012	2	<b>205.4</b>	<b>200.6</b>	<b>201.4</b>	179.1	158.9
REA	2B862 ↗	VT2P	86	<b>194.3</b>	16.5	0	1004	4	197.6	193.1	179.0	<b>207.7</b>	112.1
THUNDER	T6983 VT2P ↗	VT2P	83	<b>191.8</b>	16.1	0	994	5	195.7	<b>199.5</b>	182.2	189.8	152.5
LATHAM	LH 3325 VT2P RIB ↗	VT2P	83	<b>191.2</b>	16.4	0	989	6	186.2	189.0	<b>200.8</b>	188.8	148.7
GOLDEN HARVEST	G85Z56-3220 EZR ↗	3220	85	189.5	16.9	0	978	8	192.5	183.9	195.9	185.8	119.6
INTEGRA	3431 VT2PRIB ↗	VT2P	84	189.2	16.5	0	978	7	192.2	191.6	190.5	182.4	119.4
GOLDEN HARVEST	G80Q01-3220A EZR ↗	3220A	80	185.9	16.6	2	961	9	186.7	168.1	<b>216.0</b>	172.9	119.6
RENK	RK256-3120-EZ ↗	3120	84	185.5	16.5	0	959	10	197.1	186.0	181.6	177.2	119.6
HEFTY	H3322 RIB ↗	VT2P	83	184.3	16.5	1	953	12	185.3	179.0	186.5	186.6	119.3
BIOGENE	BG512V2 RIB ↗	VT2P	81	184.2	16.0	1	954	11	184.6	185.7	181.8	184.8	119.5
BIOGENE	BG510AT EZR ↗	3220A	81	183.6	17.0	6	948	13	<b>198.0</b>	141.2	<b>201.6</b>	193.5	119.7
PROSEED	1882 VT2PRIB ↗	VT2P	82	183.4	17.0	0	946	16	171.3	184.5	<b>199.2</b>	178.5	119.1
ROB-SEE-CO	RC3418-3220A ↗	3220A	84	182.9	16.2	0	947	15	176.0	184.7	<b>199.8</b>	171.3	119.2
DYNA-GRO	D23VC83 ↗	VT2P	83	182.7	15.5	0	948	14	175.3	<b>197.2</b>	191.1	167.3	119.7
HEFTY	H3042 RIB ↗	VT2P	80	181.9	15.8	1	943	17	183.4	189.1	168.4	186.7	119.5
HEFTY	H3442 RIB ↗	VT2P	84	181.4	15.7	0	941	18	183.5	190.2	178.0	173.9	119.2
THUNDER	T6782 VT2P ↗	VT2P	82	180.3	16.5	0	932	19	171.7	176.4	196.7	176.4	119.4
ROB-SEE-CO	RC3041-3110A ↗	3110A	80	180.2	16.8	7	931	20	165.0	155.0	<b>206.4</b>	194.6	119.5
THUNDER	T6185 VT2P ↗	VT2P	85	178.9	15.7	1	928	21	186.3	178.9	181.6	168.7	119.7
THUNDER	T6085 VT2P ↗	VT2P	85	177.3	15.4	0	921	22	188.6	180.6	186.4	153.6	119.4
REA	2B863 ↗	VT2P	86	176.6	16.2	1	914	25	169.4	181.2	180.2	175.7	119.9
LATHAM	LH 2977 VT2P RIB ↗	VT2P	79	176.0	14.6	0	917	23	175.8	175.1	179.2	174.0	142.5
REA	2B851 ↗	VT2P	85	176.0	15.4	0	914	24	167.8	183.1	184.3	168.9	119.0
BIOGENE	BG520V2 RIB ↗	VT2P	82	175.1	17.1	0	903	27	172.5	182.0	191.6	154.4	119.7
THUNDER	T6181 VT2P ↗	VT2P	81	174.3	15.4	0	906	26	179.3	176.7	177.2	164.1	141.6
RENK	RK227VT2P ↗	VT2P	82	173.2	16.2	0	898	28	174.9	177.7	186.0	154.3	127.6
HEFTY	H3542 RIB ↗	VT2P	85	170.9	16.1	0	885	29	164.6	189.3	168.6	161.3	143.3
LATHAM	LH 3397 VT2P RIB ↗	VT2P	83	162.6	15.3	1	846	30	166.9	159.6	164.8	159.0	113.7
INTEGRA	3009 VT2PRIB ↗	VT2P	80	145.6	15.6	4	755	31	147.3	144.0	128.8	162.4	110.6
DEKALB	DKC36-86RIB CK	VT2P	86	194.3	16.4	0	1005	3	<b>199.6</b>	<b>201.5</b>	190.1	186.2	151.3
<b>Averages =</b>				<b>180.5</b>	<b>16.1</b>	<b>1</b>	<b>935</b>		<b>180.9</b>	<b>180.3</b>	<b>184.8</b>	<b>176.0</b>	<b>132.1</b>
LSD (0.10) =				10.5	0.7	3			16.7	14.7	13.2	20.9	29.6
LSD (0.25) =				5.5	0.4	1			8.8	7.7	6.9	11.0	15.5

Yield variability due to drought stress

Luke Brendemuhl

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Prev. years average yield for region: 157.28 bu/a, 4 yr(s)

Yield & Income Factors:

Base Moisture = 15.0%

Shrink = 1.3

Drying = \$0.03

Prices: GMO = \$5.22

† 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 3 reps for the site.

Additional reports available at [www.firstseedtests.com](http://www.firstseedtests.com)

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Report Date: 10/24/2021

2021 Corn Grain Top 30 Performance Summary for Red River Central North Dakota & Minnesota [RRCE]

Full-Season Test

86 - 90 Day CRM

B2021RRCEb

Top 30 of 32

For Gross Income (Sorted by Yield), (16) Replication Average

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Gross Income \$/Acre	Rank	Buffalo	East Grand Forks	Georgetown	Hope * REJECTED	Warren	
DAIRYLAND	DS-3022AM ↗	AM	90	<b>214.3</b>	18.4	0	1101	1	<b>228.1</b>	<b>229.5</b>	<b>220.3</b>	140.3	179.3	
REA	3B912 ↗	VT2P	91	<b>211.4</b>	17.6	0	1089	2	<b>240.4</b>	<b>226.0</b>	<b>222.9</b>	161.0	156.2	
GOLDEN HARVEST	G90Y04-5222A EZR ↗	5222A	90	<b>210.9</b>	20.5	2	1074	4	<b>232.3</b>	197.4	<b>234.7</b>	160.2	179.1	
ROB-SEE-CO	RC3601-3011A ↗	3011A	86	<b>210.0</b>	17.9	0	1081	3	217.4	<b>216.4</b>	<b>226.1</b>	125.5	179.9	
REA	3B903 ↗	VT2P	90	<b>205.1</b>	17.2	0	1059	5	220.0	<b>217.2</b>	<b>215.8</b>	145.7	167.7	
RENK	RK312VT2PRIB ↗	VT2P	90	<b>204.1</b>	17.7	0	1051	6	207.9	<b>214.6</b>	<b>212.2</b>	141.1	<b>181.6</b>	
LATHAM	LH 3937 VT2P RIB ↗	VT2P	89	201.7	18.9	0	1034	9	214.2	<b>218.7</b>	200.9	141.5	173.2	
LATHAM	LH 3827 VT2P RIB ↗	VT2P	88	201.0	18.6	0	1031	10	214.8	<b>217.7</b>	210.0	141.9	161.7	
HEFTY	H4052 ↗	VT2P	90	201.0	18.9	0	1029	11	211.7	213.3	203.9	141.3	175.0	
DAIRYLAND	DS-2828AM ↗	AM	88	200.6	17.5	0	1034	8	216.7	<b>220.0</b>	209.4	141.3	156.3	
HEFTY	H3712 RIB ↗	VT2P	87	198.2	17.3	0	1023	12	216.0	<b>214.3</b>	200.9	141.3	161.8	
GOLDEN HARVEST	G90S99-5222 EZR ↗	5222	90	197.8	19.0	2	1014	16	<b>227.6</b>	197.8	200.9	141.2	164.9	
CHANNEL	189-64STXRIB GC ↗	STX	89	197.7	18.5	0	1016	14	215.7	202.1	205.7	141.9	167.5	
LATHAM	LH 3695 VT2P RIB ↗	VT2P	86	197.5	17.8	0	1018	13	212.0	197.7	202.7	141.2	177.7	
INTEGRA	4041 VT2PRIB ↗	VT2P	90	197.4	17.9	0	1015	15	211.6	<b>228.1</b>	188.0	170.0	162.1	
DYNA-GRO	D27VC87 ↗	VT2P	87	197.2	18.2	0	1013	17	199.8	<b>220.1</b>	190.1	141.1	178.9	
PROSEED	1787 VT2PRIB ↗	VT2P	87	195.9	17.8	0	1009	18	204.7	202.2	198.1	141.2	178.6	
CHANNEL	187-20VT2PRIB GC ↗	VT2P	87	195.7	18.3	0	1006	19	208.1	197.3	198.3	141.7	179.1	
INTEGRA	3629 VT2PRIB ↗	VT2P	86	193.6	17.7	0	997	20	220.1	201.4	194.1	141.4	158.8	
RENK	RK315VT2P ↗	VT2P	90	193.2	18.1	1	992	21	206.5	<b>214.9</b>	197.1	141.9	154.3	
HEFTY	H3922 RIB ↗	VT2P	89	190.7	17.9	0	983	22	218.9	192.0	193.5	141.0	158.7	
RENK	RK297VT2P ↗	VT2P	89	188.0	17.7	0	968	23	190.0	208.0	191.0	141.9	163.1	
THUNDER	T6888 VT2P ↗	VT2P	88	187.9	17.9	0	967	24	201.7	195.8	185.2	146.9	168.8	
STINE	9202-G ↗	3011A	86	187.0	17.6	0	964	25	213.7	197.1	197.0	141.5	140.1	
INNOTECH	IC3983-3220 ↗	3220	89	186.5	18.9	6	957	27	208.5	189.1	199.7	141.6	148.6	
THUNDER	T6190 VT2P ↗	VT2P	90	186.1	18.0	0	957	26	196.6	204.8	192.6	141.2	150.5	
AGRIGOLD	A617-78VT2RIB GC ↗	VT2P	87	184.8	17.1	0	955	28	195.0	168.4	199.2	125.1	176.7	
HEFTY	H4032 RIB ↗	VT2P	90	179.3	17.8	0	923	29	185.0	194.1	182.5	142.6	155.4	
THUNDER	T6987 VT2P ↗	VT2P	87	177.0	16.8	0	916	30	197.7	176.0	173.3	164.0	161.0	
THUNDER	T7188 VT2P ↗	VT2P	88	166.0	17.7	0	856	31	191.2	172.6	166.1	119.0	134.1	
DEKALB	DKC36-86RIB CK	VT2P	86	200.3	17.1	0	1035	7	216.1	205.7	204.6	192.5	174.9	
				<b>Averages =</b>	<b>194.1</b>	<b>18.0</b>	<b>0</b>	<b>999</b>		<b>209.5</b>	<b>203.9</b>	<b>198.9</b>	<b>158.4</b>	<b>163.6</b>
				LSD (0.10) =	9.2	0.7	2			16.6	9.6	11.2	49.4	16.4
				LSD (0.25) =	4.8	0.4	1			8.7	5.1	5.9	25.9	8.6

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## 2021 Corn Grain - Red River Central North Dakota & Minnesota [ RRCE ]

### Early-Season Test Products (32 Total)

Company/Brand	Product/Brand	Technology	RIB	RM	Seed Treat.
BioGene	BG510AT EZR	3220A	Y	81	CM,C2,Vi
BioGene	BG512V2 RIB	VT2P	Y	81	AC250
BioGene	BG520V2 RIB	VT2P	Y	82	AC250
DeKalb	DKC36-86RIB CK	VT2P	Y	86	AC,P5V,EDC-EL
Dyna-Gro	D23VC83	VT2P	N	83	AC,P5V
Golden Harvest	G80Q01-3220A EZR	3220A	Y	80	AVC,C5,Vi
Golden Harvest	G84J92-3120A EZR	3120A	Y	84	AVC,C2,Vi
Golden Harvest	G85Z56-3220 EZR	3220	Y	85	AVC,C2,Vi
Hefty	H2842 RIB	VT2P	Y	80	HC
Hefty	H3042 RIB	VT2P	Y	80	HC
Hefty	H3322 RIB	VT2P	Y	83	HC
Hefty	H3442 RIB	VT2P	Y	84	HC
Hefty	H3542 RIB	VT2P	Y	85	HC
Integra	3009 VT2PRIB	VT2P	Y	80	AC,P5V,SU
Integra	3431 VT2PRIB	VT2P	Y	84	AC,P5V,SU
Latham	LH 2977 VT2P RIB	VT2P	Y	79	AC,P2
Latham	LH 3325 VT2P RIB	VT2P	Y	83	AC,P2
Latham	LH 3397 VT2P RIB	VT2P	Y	83	AC,P2
Proseed	1882 VT2PRIB	VT2P	Y	82	AVC,C2,Vi
REA	2B851	VT2P	Y	85	AC,P5,B360
REA	2B862	VT2P	Y	86	AC,P5,B360
REA	2B863	VT2P	Y	86	AC,P5,B360
Renk	RK227VT2P	VT2P	N	82	AC,P2
Renk	RK256-3120-EZ	3120	Y	84	CM,C2
Rob-See-Co	RC3041-3110A	3110A	N	80	CM,C2,Vi
Rob-See-Co	RC3240-GT	GT	N	82	CM,C2,Vi
Rob-See-Co	RC3418-3220A	3220A	Y	84	CM,C2,Vi
Thunder	T6085 VT2P	VT2P	Y	85	AC,P2
Thunder	T6181 VT2P	VT2P	Y	81	AC,P2
Thunder	T6185 VT2P	VT2P	Y	85	AC,P2
Thunder	T6782 VT2P	VT2P	Y	82	AC,P2
Thunder	T6983 VT2P	VT2P	Y	83	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 - Red River Central North Dakota & Minnesota [ RRCE ]

### Full-Season Test Products (32 Total)

Company/Brand	Product/Brand	Technology	RIB	RM	Seed Treat.
AgriGold	A617-78VT2RIB GC	VT2P	Y	87	AC,P5V
Channel	187-20VT2PRIB GC	VT2P	Y	87	AC,P5,B360
Channel	189-64STXRIB GC	STX	Y	89	AC,P5V,B-360
Dairyland	DS-2828AM	AM	Y	88	Lum
Dairyland	DS-3022AM	AM	Y	90	Lum,P1V
DeKalb	DKC36-86RIB CK	VT2P	Y	86	AC,P5V,EDC-EL
Dyna-Gro	D27VC87	VT2P	N	87	AC,P5V
Golden Harvest	G90S99-5222 EZR	5222	Y	90	AVC,C2,Vi
Golden Harvest	G90Y04-5222A EZR	5222A	Y	90	AVC,C2,Vi
Hefty	H3632 RIB	VT2P	Y	86	HC
Hefty	H3712 RIB	VT2P	Y	87	HC
Hefty	H3922 RIB	VT2P	Y	89	HC
Hefty	H4032 RIB	VT2P	Y	90	HC
Hefty	H4052	VT2P	N	90	HC
Innotech	IC3983-3220	3220	Y	89	AVC,C2,Vi
Integra	3629 VT2PRIB	VT2P	Y	86	AC,P5V
Integra	4041 VT2PRIB	VT2P	Y	90	AC,P5,SU
Latham	LH 3695 VT2P RIB	VT2P	Y	86	AC,P2
Latham	LH 3827 VT2P RIB	VT2P	Y	88	AC,P2
Latham	LH 3937 VT2P RIB	VT2P	Y	89	AC,P2
Proseed	1787 VT2PRIB	VT2P	Y	87	AVC,C2,Vi
REA	3B903	VT2P	Y	90	AC,P5,B360
REA	3B912	VT2P	Y	91	AC,P5,B360
Renk	RK297VT2P	VT2P	N	89	AC,P5V
Renk	RK312VT2PRIB	VT2P	Y	90	AC,P2
Renk	RK315VT2P	VT2P	N	90	AC,P2
Rob-See-Co	RC3601-3011A	3011A	N	86	CM,C2,Vi
Stine	9202-G	3011A	N	86	Treated
Thunder	T6190 VT2P	VT2P	Y	90	AC,P2
Thunder	T6888 VT2P	VT2P	Y	88	AC,P2
Thunder	T6987 VT2P	VT2P	Y	87	AC,P2
Thunder	T7188 VT2P	VT2P	Y	88	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.

## Footnotes and Abbreviations Descriptions

### Brand Footnotes

<sup>^</sup> 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

3011A	Agrisure® Artesian® 3011A (CB,RW,LL,GT)
3110A	Agrisure® Artesian® Viptera® 3110 (Vip, CB,LL,GT)
3120	Agrisure® 3120 (CB,HX,LL,GT)
3120A	Agrisure® Artesian® 3120 (CB,HX,LL,GT)
3220	Agrisure® Viptera® 3220 (Vip,CB,HX,LL,GT)
3220A	Agrisure® Artesian® Viptera® 3220 (Vip,CB,HX,LL,GT)
5222	Agrisure® Duracade™ 5222
5222A	Agrisure® Duracade™ Artesian® 5222
AM	Optimum® AcreMax®
GT	Agrisure® GT
STX	SmartStax®
VT2P	Genuity® VT Double PRO®

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,P5,B360	Acceleron® 500 with BioRise™ B-360 ST
AC,P5,SU	Acceleron® 500, StepUp
AC,P5V	Acceleron® Poncho 500/Votivo
AC,P5V,B-360	Acceleron® Poncho 500/Votivo with B-360 SAT
AC,P5V,EDC-EL	Acceleron® ELITE Poncho 500/Votivo with Enhanced Disease Control
AC,P5V,SU	Acceleron® Poncho 500/Votivo, StepUp
AVC,C2,Vi	Avicta® Complete 250, Vibrance®
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
Treated	Treated seed, unspecified

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