

Test by: Northland F.I.R.S.T., LLC Moorhead, MN

## 2021 Corn Grain Top 30 Harvest Report

Red River Central North Dakota & Minnesota [RRCE]

BUFFALO, ND

Tim Berntson, Cass County, ND

**Early-Season Test** 80 - 85 Day CRM  
B2021RRCE04a

**Top 30 of 32** For Gross Income  
(Sorted by Yield)  
Average of (4) Replications

**PREV. CROP/HERB:** Wheat / Huskie, Mcp Ester 4

**SOIL DESCRIPTION:** Barnes-Svea loam, well drained,  
non-irrigated

**SOIL CONDITION:** Conventional W/ Fall Till, high P,  
medium K, 7.5 pH, 3.4% OM,  
23.3 CEC

**PEST MANAGEMENT:** Armezon Pro, Stinger, Atrazine

**FERTILITY - Applied N:** 11 Fall, 138 Spring

**Applied N-P-K (units):** 149-52-36

**SEEDED - RATE - ROW:** May 5 34.5 /A 30" spacing

**HARVESTED - STAND:** Oct 23 32.7 /A

### TEST COMMENTS:

*Cold soil conditions in late April into May delayed emergence for most areas. Mid-summer was especially dry throughout the region, with this area receiving less than half an inch of rain from June 22 through the last week of August. Excellent yields and high test weights were a pleasant surprise given the stressful growing season. Tim said that they had some corn running 13% moisture with 59 lb/bu test weight. Tim also said that the field around the plot was averaging around 200 bu/ac.*

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank		
Golden Harvest	G84J92-3120A EZR ↗	3120A	84	<b>205.4</b>	14.3	0	32.9	1074	1		
Rob-See-Co	RC3240-GT ↗	GT	82	<b>198.8</b>	14.2	4	32.5	1040	3		
BioGene	BG510AT EZR ↗	3220A	81	<b>198.0</b>	14.4	0	32.9	1036	4		
REA	2B862 ↗	VT2P	86	197.6	13.8	0	32.5	1033	5		
Renk	RK256-3120-EZ ↗	3120	84	197.1	14.2	0	32.5	1031	6		
Thunder	T6983 VT2P ↗	VT2P	83	195.7	14.3	0	33.3	1024	7		
Golden Harvest	G85Z56-3220 EZR ↗	3220	85	192.5	13.6	0	32.2	1007	8		
Integra	3431 VT2PRIB ↗	VT2P	84	192.2	14.2	0	32.9	1005	9		
Thunder	T6085 VT2P ↗	VT2P	85	188.6	13.8	0	33.7	986	10		
Golden Harvest	G80Q01-3220A EZR ↗	3220A	80	186.7	13.7	0	33.7	976	11		
Thunder	T6185 VT2P ↗	VT2P	85	186.3	13.7	0	33.3	974	12		
Latham	LH 3325 VT2P RIB ↗	VT2P	83	186.2	13.9	0	32.5	974	13		
Hefty	H3322 RIB ↗	VT2P	83	185.3	13.8	0	31.8	969	14		
BioGene	BG512V2 RIB ↗	VT2P	81	184.6	13.9	0	31.4	965	15		
Hefty	H3442 RIB ↗	VT2P	84	183.5	13.5	0	32.2	960	16		
Hefty	H3042 RIB ↗	VT2P	80	183.4	13.7	0	31.0	959	17		
Thunder	T6181 VT2P ↗	VT2P	81	179.3	13.7	0	31.8	938	18		
Rob-See-Co	RC3418-3220A ↗	3220A	84	176.0	14.0	0	32.9	920	19		
Latham	LH 2977 VT2P RIB ↗	VT2P	79	175.8	13.5	0	33.7	919	20		
Dyna-Gro	D23VC83 ↗	VT2P	83	175.3	13.6	0	32.9	916	21		
Renk	RK227VT2P ↗	VT2P	82	174.9	14.3	0	32.5	915	22		
BioGene	BG520V2 RIB ↗	VT2P	82	172.5	14.0	0	33.3	902	23		
Thunder	T6782 VT2P ↗	VT2P	82	171.7	13.8	0	34.0	898	24		
Proseed	1882 VT2PRIB ↗	VT2P	82	171.3	14.0	0	32.9	895	25		
REA	2B863 ↗	VT2P	86	169.4	13.6	0	33.3	886	26		
REA	2B851 ↗	VT2P	85	167.8	13.5	0	32.2	878	27		
Latham	LH 3397 VT2P RIB ↗	VT2P	83	166.9	14.0	0	33.7	873	28		
Rob-See-Co	RC3041-3110A ↗	3110A	80	165.0	14.0	3	33.7	863	29		
Hefty	H3542 RIB ↗	VT2P	85	164.6	13.8	0	32.5	861	30		
Hefty	H2842 RIB ↗	VT2P	80	151.4	13.6	0	33.7	792	31		
DeKalb	DKC36-86RIB CK	VT2P	86	199.6	13.8	0	31.4	1044	2		
				<b>Averages =</b>	<b>180.9</b>	<b>13.9</b>	<b>0</b>	<b>32.7</b>	<b>946</b>		
				LSD (0.10) =	16.7	0.3	1				
				LSD (0.25) =	8.8	0.1	1				
				C.V. =	10.1						
Luke Brendemuhl										Historic yield: new site	
luke.brendemuhl@firstseedtests.com, (218) 790-4497											

**Yield & Income Factors:** Base Moisture = 15.0% Shrink = 1.3 Drying = \$0.025 Prices: GMO = \$5.23

Report Date: 10/24/2021

† 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

©2021, All rights reserved by Elite Field Genetics, LLC

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

Test by: Northland F.I.R.S.T., LLC Moorhead, MN

## 2021 Corn Grain Top 30 Harvest Report

Red River Central North Dakota & Minnesota [RRCE]

BUFFALO, ND

Tim Berntson, Cass County, ND

<b>Full-Season Test</b>	<b>86 - 90</b> Day CRM B2021RRCE04b
<b>Top 30 of 32</b>	For Gross Income (Sorted by Yield) Average of (4) Replications
<b>PREV. CROP/HERB:</b>	Wheat / Huskie, Mcp Ester 4
<b>SOIL DESCRIPTION:</b>	Barnes-Svea loam, well drained, non-irrigated
<b>SOIL CONDITION:</b>	Conventional W/ Fall Till, high P, medium K, 7.5 pH, 3.4% OM, 23.3 CEC
<b>PEST MANAGEMENT:</b>	Armezon Pro, Stinger, Atrazine
<b>FERTILITY - Applied N:</b>	11 Fall, 138 Spring
<b>Applied N-P-K (units):</b>	149-52-36
<b>SEDED - RATE - ROW:</b>	May 5 34.5 /A 30" spacing
<b>HARVESTED - STAND:</b>	Oct 23 32.5 /A

### TEST COMMENTS:

Cold soil conditions in late April into May delayed emergence for most areas. Mid-summer was especially dry throughout the region, with this area receiving less than half an inch of rain from June 22 through the last week of August. Excellent yields and high test weights were a pleasant surprise given the stressful growing season. Tim said that they had some corn running 13% moisture with 59 lb/bu test weight. Tim also said that the field around the plot was averaging around 200 bu/ac.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
REA	3B912 ↗	VT2P	91	<b>240.4</b>	14.8	0	31.8	1257	1
Golden Harvest	G90Y04-5222A EZR ↗	5222A	90	<b>232.3</b>	15.9	1	32.9	1210	2
Dairyland	DS-3022AM ↗	AM	90	<b>228.1</b>	15.2	0	32.9	1192	3
Golden Harvest	G90S99-5222 EZR ↗	5222	90	<b>227.6</b>	15.4	0	33.3	1188	4
Integra	3629 VT2PRIB ↗	VT2P	86	220.1	14.5	0	32.9	1151	5
REA	3B903 ↗	VT2P	90	220.0	14.0	0	32.9	1150	6
Hefty	H3922 RIB ↗	VT2P	89	218.9	14.9	0	33.7	1144	7
Rob-See-Co	RC3601-3011A ↗	3011A	86	217.4	14.8	0	31.8	1137	8
Dairyland	DS-2828AM ↗	AM	88	216.7	14.7	0	32.5	1133	9
Hefty	H3712 RIB ↗	VT2P	87	216.0	14.5	0	32.9	1130	11
Channel	189-64STXRIB GC ↗	STX	89	215.7	14.8	0	32.9	1128	12
Latham	LH 3827 VT2P RIB ↗	VT2P	88	214.8	14.8	0	32.5	1123	13
Latham	LH 3937 VT2P RIB ↗	VT2P	89	214.2	15.1	0	34.0	1120	14
Stine	9202-G ↗	3011A	86	213.7	14.6	0	33.3	1118	15
Latham	LH 3695 VT2P RIB ↗	VT2P	86	212.0	14.4	0	32.5	1109	16
Hefty	H4052 ↗	VT2P	90	211.7	15.0	0	32.2	1107	17
Integra	4041 VT2PRIB ↗	VT2P	90	211.6	14.1	0	32.5	1107	18
Innotech	IC3983-3220 ↗	3220	89	208.5	15.0	0	32.2	1090	19
Channel	187-20VT2PRIB GC ↗	VT2P	87	208.1	14.8	0	32.2	1088	20
Renk	RK312VT2PRIB ↗	VT2P	90	207.9	14.5	0	32.2	1087	21
Renk	RK315VT2P ↗	VT2P	90	206.5	14.6	1	32.9	1079	22
Proseed	1787 VT2PRIB ↗	VT2P	87	204.7	14.5	0	32.5	1071	23
Thunder	T6888 VT2P ↗	VT2P	88	201.7	14.8	0	31.8	1055	24
Dyna-Gro	D27VC87 ↗	VT2P	87	199.8	14.6	0	32.2	1045	25
Thunder	T6987 VT2P ↗	VT2P	87	197.7	14.2	0	32.2	1034	26
Thunder	T6190 VT2P ↗	VT2P	90	196.6	15.2	0	32.2	1027	27
AgriGold	A617-78VT2RIB GC ↗	VT2P	87	195.0	14.2	0	33.7	1019	28
Thunder	T7188 VT2P ↗	VT2P	88	191.2	14.7	0	33.3	1000	29
Renk	RK297VT2P ↗	VT2P	89	190.0	14.8	0	31.8	994	30
Hefty	H4032 RIB ↗	VT2P	90	185.0	15.2	0	29.9	967	31
DeKalb	DKC36-86RIB CK	VT2P	86	216.1	14.3	0	31.8	1130	10
				<b>Averages =</b>	<b>209.5</b>	<b>14.7</b>	<b>0</b>	<b>32.5</b>	<b>1096</b>
				LSD (0.10) =	16.6	0.5	ns		
				LSD (0.25) =	8.7	0.2	ns		
				C.V. =	8.7				

Luke Brendemuhl

luke.brendemuhl@firstseedtests.com, (218) 790-4497

Historic yield: new site

**Yield & Income Factors:** Base Moisture = 15.0% Shrink = 1.3 Drying = \$0.025 Prices: GMO = \$5.23

Report Date: 10/24/2021

† 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

©2021, All rights reserved by Elite Field Genetics, LLC

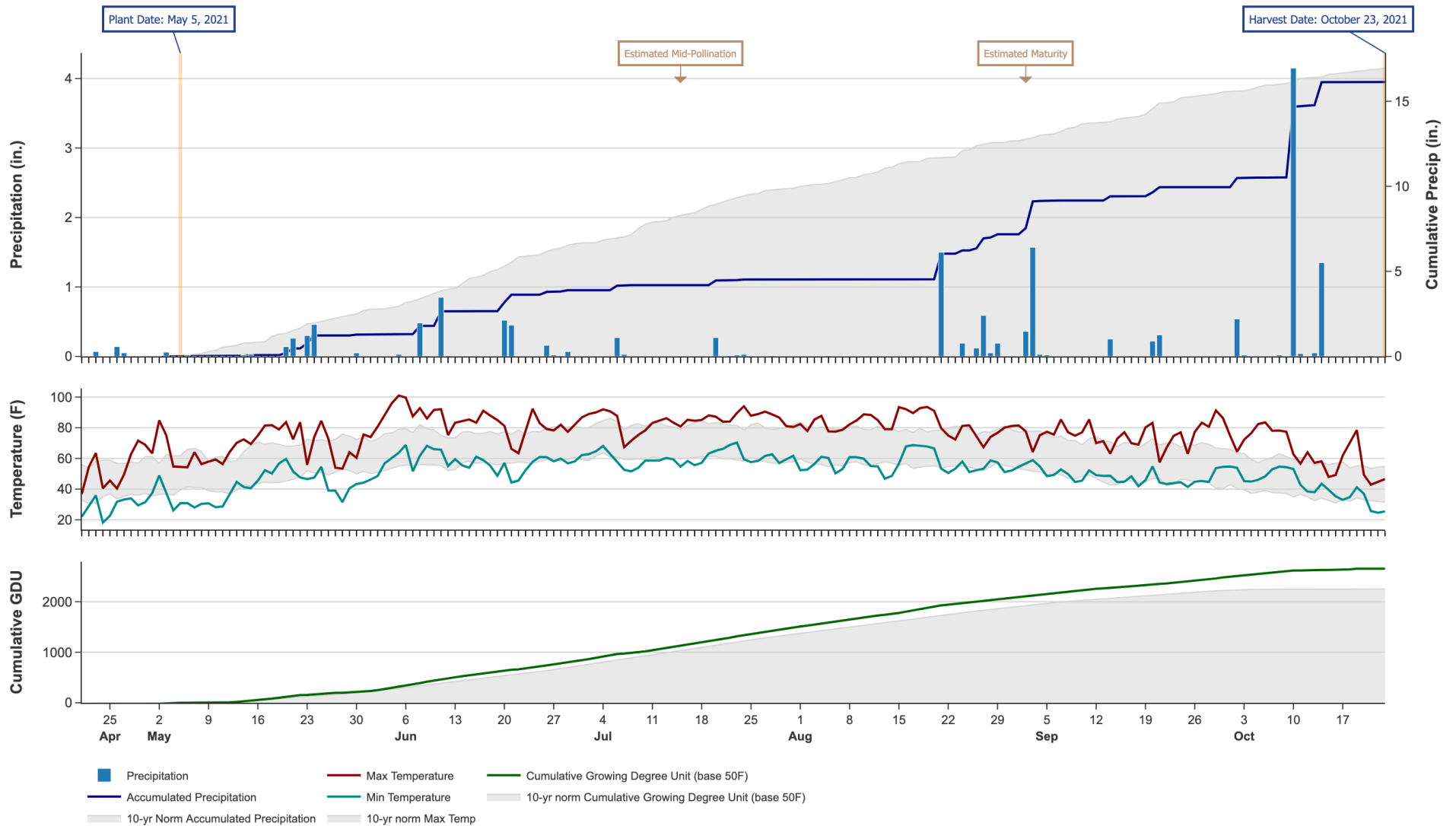
Additional reports available at [www.firstseedtests.com](http://www.firstseedtests.com)

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

## Weather Conditions Summary at BUFFALO, ND

Weather Data Retrieved: 10/24/2021

Monthly Total	Apr*	May	Jun	Jul	Aug	Sep	Oct*	Total
Precip (in)   Normal (Diff)	0.3   0.7 (-0.4)	1.3   3.0 (-1.6)	2.6   3.9 (-1.3)	0.6   3.3 (-2.6)	2.6   2.8 (-0.1)	2.8   2.9 (-0.1)	6.2   1.4 (+4.8)	16.4   17.9 (-1.4)
GDU   Normal (Diff)	20   0 (+20)	259   221 (+37)	594   500 (+93)	677   642 (+34)	585   540 (+44)	402   324 (+77)	172   27 (+144)	2709   2258 (+450)



\* First monthly total starts on the date 14 days prior to planting and final monthly total ends on the harvest date.

Note: Weather information from PRISM Climate Group. Data may be revised by the provider after retrieval. FIRST will not revise or update reports to reflect any weather data changes. For information purposes only.

## 2021 Corn - 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 - 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 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 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.