

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

## 2022 Corn Grain Top 30 Harvest Report

Red River Central North Dakota & Minnesota [RRCE]

GEORGETOWN, MN

WCD Brendemuhl Farms, Curtis Brendemuhl, Clay County, MN 56560

**Early-Season Test** 80 - 85 Day CRM  
B2022RRCE02a

**Top 30 of 40** For Gross Income  
(Sorted by Yield)  
Average of (4) Replications

**PREV. CROP/HERB:** Soybeans / Enlist Duo, Liberty

**SOIL DESCRIPTION:** Fargo silty clay loam, poorly drained, non-irrigated

**SOIL CONDITION:** Conventional W/ Fall Till, high P, high K, 6.5 pH, 4.9% OM, 33.5 CEC

**PEST MANAGEMENT:** Capreno, Atrazine

**FERTILITY - Applied N:** 22 Fall, 81 Spring, 60 Sidedress

**Applied N-P-K (units):** 163-115-11

**SEEDED - RATE - ROW:** May 24 34.5 /A 30" spacing

**HARVESTED - STAND:** Oct 12 32.8 /A

### TEST COMMENTS:

Although this location was planted later than usual, timely rains with excellent subsoil paired with plenty of heat units, allowed for excellent corn yields in this area. Ears at harvest had many hybrids with 18-20 kernels around and filled to the tip. Very minimal root lodging was noticed among a few hybrids. Curt stated they are finding excellent yields, 20% higher corn yields than average for their farm.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Golden Harvest	G85Z56-V ↗	V	85	<b>222.5</b>	18.7	0	32.2	1454	1
Renk	RK256-3120-EZ ↗	AA	84	<b>213.8</b>	19.2	0	32.5	1395	2
BioGene	BG510AT ↗	V	81	<b>210.6</b>	19.0	0	31.8	1375	3
Golden Harvest	G80Q01-V ↗	V	80	<b>210.1</b>	18.6	0	32.2	1374	4
Legacy	LC354-20 ↗	3110	85	<b>209.6</b>	18.5	0	32.5	1371	5
REA	2B851 ↗	VT2P	85	<b>207.4</b>	16.6	0	33.3	1366	6
NK Brand	NK8519-V ↗	V	85	<b>206.7</b>	18.9	2	32.9	1351	7
Hefty	H3442 RIB ↗	VT2P	84	204.6	17.2	0	32.9	1345	8
Thunder	THX22-85 ↗	VT2P	85	204.2	17.8	0	32.5	1340	9
Hefty	H3262 ↗	VT2P	84	201.7	17.6	0	32.9	1324	11
Proseed	1882 VT2PRIB ↗	VT2P	82	201.3	16.2	0	33.7	1329	10
Integra	3431 VT2PRIB ↗	VT2P	84	199.4	16.8	0	32.5	1313	13
Dairyland	DS-2505Q ↗	QR	85	199.3	17.5	0	33.3	1309	15
Dyna-Gro	D23VC83RIB ↗	VT2P	83	198.9	15.9	1	32.2	1314	12
Hefty	H3322 RIB ↗	VT2P	83	198.7	16.5	0	33.3	1310	14
Thunder	T6185 VT2P ↗	VT2P	85	198.7	17.5	0	31.8	1305	16
Renk	RK223RR ↗	RR2	82	198.6	17.4	0	33.3	1305	17
Rob-See-Co	RC3041-3110A ↗	3110A	80	197.0	17.8	0	31.8	1293	18
NK Brand	NK8005-V ↗	V	80	196.6	19.4	0	33.7	1282	22
Thunder	T6085 VT2P ↗	VT2P	85	195.7	17.0	0	32.2	1288	20
Dairyland	DS-2531AM ↗	AM	85	194.9	17.3	0	31.4	1281	23
Hefty	H3122 ↗	VT2P	81	194.6	16.2	0	32.5	1284	21
Thunder	T6983 VT2P ↗	VT2P	83	193.2	17.1	0	33.7	1271	24
REA	83B33 ↗	VT2P	83	190.7	15.9	2	33.7	1260	25
Renk	RK227VT2P ↗	VT2P	82	190.2	16.7	0	32.2	1253	26
Integra	3282 VT2PRIB ↗	VT2P	82	190.0	16.4	0	32.5	1253	27
Stine	9141-30 ↗	V	81	189.9	18.8	1	32.5	1241	30
Dyna-Gro	D21VC81RIB ↗	VT2P	81	189.0	16.7	0	33.7	1245	28
Proseed	2181 VT2PRIB ↗	VT2P	81	188.6	16.2	0	34.4	1245	29
Latham	LH 3325 VT2P RIB ↗	VT2P	83	188.4	17.3	0	32.5	1238	31
DEKALB	DKC35-88RIB CK	VT2P	85	196.0	16.3	0	32.5	1293	19

Averages = **194.9** **17.1** **0** **32.8** **1282**

LSD (0.10) = 9.8 0.6 ns

LSD (0.25) = 5.2 0.3 ns

C.V. = 5.5

Historic yield: 178.22 bu/a, 4 yr(s)

Luke Brendemuhl

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

**Yield & Income Factors:**

Base Moisture = 15.0%

Shrink = 1.3

Drying = \$0.025

Prices: GMO = \$6.63

Report Date: 10/14/2022

† 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. ↗ Links to full product yield results at www.firstseedtests.com

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GEORGETOWN, MN

WCD Brendemuhl Farms, Curtis Brendemuhl, Clay County,  
MN 56560

**Full-Season Test** 86 - 90 Day CRM  
B2022RRCE02b

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

**PREV. CROP/HERB:** Soybeans / Enlist Duo, Liberty

**SOIL DESCRIPTION:** Fargo silty clay loam, poorly  
drained, non-irrigated

**SOIL CONDITION:** Conventional W/ Fall Till, high P,  
high K, 6.5 pH, 4.9% OM, 33.5  
CEC

**PEST MANAGEMENT:** Capreno, Atrazine

**FERTILITY - Applied N:** 22 Fall, 81 Spring, 60 Sidedress

**Applied N-P-K (units):** 163-115-11

**SEEDED - RATE - ROW:** May 24 34.5 /A 30" spacing

**HARVESTED - STAND:** Oct 12 32.9 /A

### TEST COMMENTS:

Although this location was planted later than usual, timely rains with excellent subsoil paired with plenty of heat units, allowed for excellent corn yields in this area. Ears at harvest had many hybrids with 18-20 kernels around and filled to the tip. Very minimal root lodging was noticed among a few hybrids. Curt stated they are finding excellent yields, 20% higher corn yields than average for their farm.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Legacy	LC403-22 ↗	AA	90	<b>234.1</b>	22.3	0	32.5	1510	1
Innotech	IC3983-3220 ↗	V	89	<b>222.2</b>	21.0	0	32.9	1440	2
NK Brand	NK9023-DV ↗	DV	90	<b>221.5</b>	22.1	0	33.7	1429	4
Thunder	6090 AA ↗	AA	90	<b>221.1</b>	20.6	0	32.9	1435	3
Renk	RK297VT2P ↗	VT2P	89	<b>219.1</b>	20.6	0	32.2	1422	5
Renk	RK400VT2P ↗	VT2P	90	<b>217.9</b>	22.2	0	33.3	1405	8
NK Brand	NK8760-V ↗	V	87	216.2	20.3	0	33.3	1405	9
Dairyland	DS-2919AM ↗	AM	89	216.1	20.8	0	32.2	1401	11
REA	EXP88B04 ↗	VT2P	88	215.8	18.8	0	32.9	1410	7
REA	3B903 ↗	VT2P	90	215.5	19.6	0	32.9	1403	10
Thunder	T6389 VT2P ↗	VT2P	89	215.2	17.2	0	33.3	1415	6
Golden Harvest	G84J92-AA ↗	AA	84	212.8	20.8	0	32.9	1380	12
Proseed	1790 VT2PRIB ↗	VT2P	90	212.2	22.0	0	32.9	1370	13
Hefty	H4052 ↗	VT2P	90	211.9	22.7	0	32.9	1364	16
Latham	LH 3937 VT2P RIB ↗	VT2P	89	211.4	21.7	0	32.9	1366	15
REA	2B863 ↗	VT2P	86	210.5	20.0	1	34.0	1369	14
Rob-See-Co	RC3601-GTA ↗	GTA	86	209.8	20.1	0	32.5	1364	17
Golden Harvest	G87A53-V ↗	V	87	207.7	20.2	0	32.9	1350	19
Hefty	H3712 RIB ↗	VT2P	87	207.7	18.8	1	32.2	1357	18
Latham	LH 3827 VT2P RIB ↗	VT2P	88	207.4	20.6	0	31.8	1346	21
Dairyland	DS-3022AM ↗	AM	90	206.9	19.4	0	33.7	1349	20
Hefty	H4064 ↗	STX	90	205.1	20.5	0	32.9	1332	22
Latham	LH 3867 VT2P RIB ↗	VT2P	88	204.0	19.3	0	33.7	1330	23
Thunder	T6888 VT2P ↗	VT2P	88	203.4	19.9	0	32.9	1324	24
Dyna-Gro	D27VC87RIB ↗	VT2P	87	201.8	18.8	0	33.3	1319	25
Thunder	T6987 VT2P ↗	VT2P	87	200.4	18.9	0	33.3	1309	27
Latham	LH 3695 VT2P RIB ↗	VT2P	86	200.1	18.3	0	32.5	1310	26
Dyna-Gro	D28VC33 ↗	VT2P	88	190.9	18.9	0	33.3	1247	28
DeKalb	DKC40-99RIB ↗	TRE	90	188.7	20.1	0	32.9	1227	30
REA	86A94 ↗	STX	86	187.0	17.7	0	33.3	1227	31
DEKALB	DKC35-88RIB CK	VT2P	85	186.8	16.8	0	32.2	1230	29

Averages = **208.1** **20.0** **0** **32.9** **1354**

LSD (0.10) = 9.6 0.6 ns

LSD (0.25) = 5.1 0.3 ns

C.V. = 5.1

Historic yield: 178.22 bu/a, 4 yr(s)

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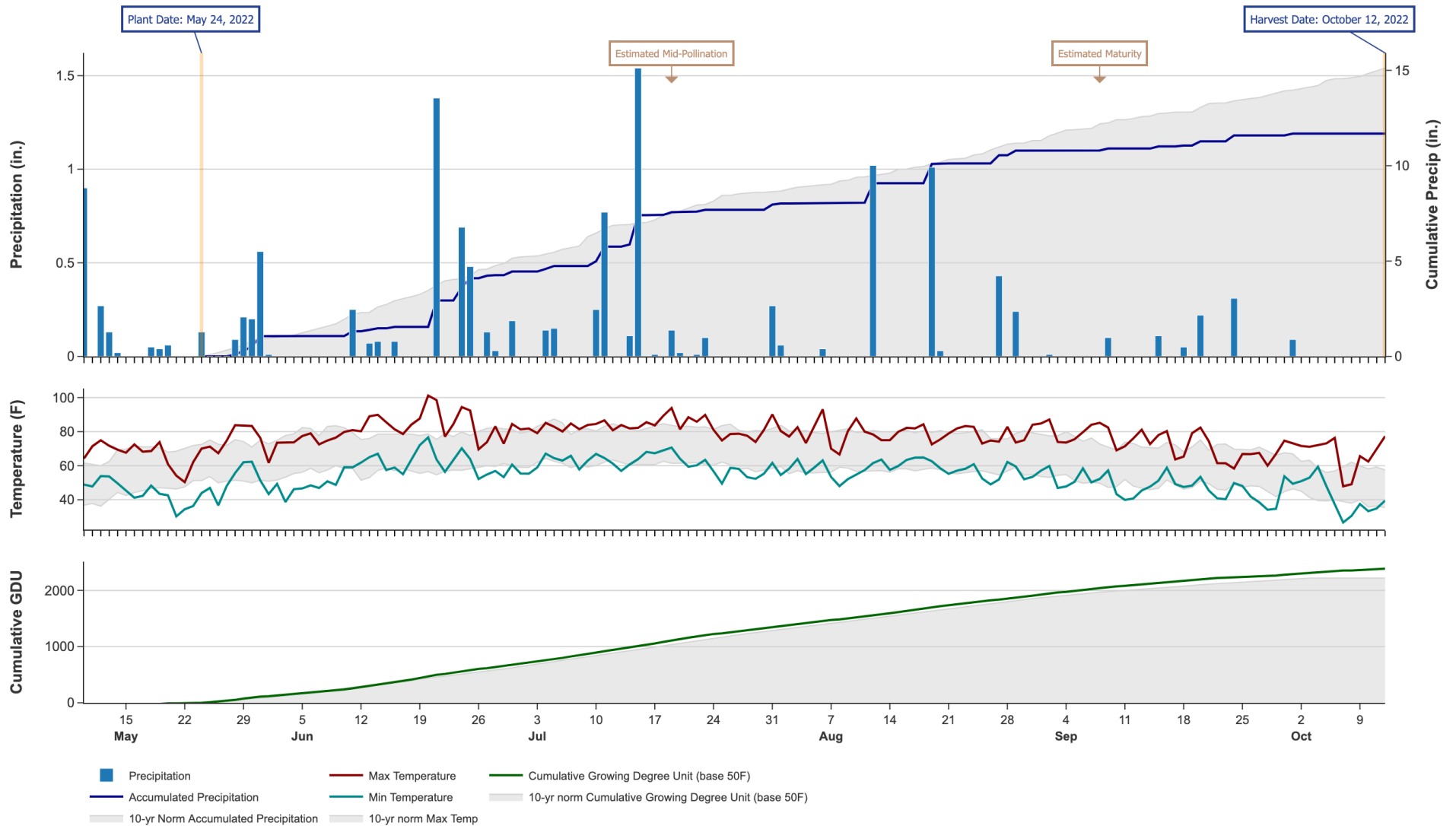
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# 2022 Corn - Red River Central North Dakota & Minnesota [ RRCE ]

## Weather Conditions Summary at GEORGETOWN, MN

Weather Data Retrieved: 10/14/2022

Monthly Total	May*	Jun	Jul	Aug	Sep	Oct*	Total
Precip (in)   Normal (Diff)	2.7   2.4 (+0.3)	3.4   4.2 (-0.8)	3.5   3.5 (0.0)	2.8   2.7 (+0.1)	0.8   2.6 (-1.8)	0.1   1.2 (-1.1)	13.3   16.6 (-3.3)
GDU   Normal (Diff)	231   206 (+24)	561   537 (+23)	672   663 (+8)	563   565 (-2)	372   345 (+26)	107   21 (+85)	2506   2339 (+166)



\* 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.

## 2022 Corn - Red River Central North Dakota & Minnesota [ RRCE ]

### Early-Season Test Products (40 Total)

Company/Brand	Product/Brand	Technology	RIB	RM	Seed Treat.
BioGene	BG510AT	V	Y	81	CM,C2,Vi
BioGene	BG512V2 RIB	VT2P	Y	81	AC
Channel	180-33VT2PRIB	VT2P	Y	80	AC,P5V,EDC-B
Dairyland	DS-2505Q	QR	Y	85	Lum, L1
Dairyland	DS-2531AM	AM	Y	85	Lum, L1
DeKalb	DKC35-88RIB CK	VT2P	Y	85	AC,P5V,EDC-EL
Dyna-Gro	D21VC81RIB	VT2P	Y	81	AC,P5V
Dyna-Gro	D23VC83RIB	VT2P	N	83	AC,P5V
Golden Harvest	G80Q01-V	V	Y	80	AVC,C2,CM,C5,Vi,Va
Golden Harvest	G85Z56-V	V	Y	85	AVC,C2,Vi,Va
Hefty	H3122	VT2P	N	81	HC
Hefty	H3262	VT2P	N	84	HC
Hefty	H3322 RIB	VT2P	Y	83	HC
Hefty	H3432 RIB	VT2P	Y	84	HC
Hefty	H3442 RIB	VT2P	Y	84	HC
Integra	3009 VT2PRIB	VT2P	Y	80	AC,P5V,SU+Zn
Integra	3282 VT2PRIB	VT2P	Y	82	AC,P5V,SU+Zn
Integra	3431 VT2PRIB	VT2P	Y	84	AC,P5V,SU+Zn
Latham	LH 2977 VT2P RIB	VT2P	Y	79	AC,P2
Latham	LH 3325 VT2P RIB	VT2P	Y	83	AC,P2
Legacy	LC354-20	3110	N	85	CM,C2,Vi
NK Brand	NK8005-V	V	N	80	AVC,C2,Vi,Va
NK Brand	NK8519-V	V	Y	85	AVC,C2,Vi,Va
Pioneer	P8048AM GC	AM	Y	80	NA
Pioneer	P8588AM GC	AM	Y	85	NA
Proseed	1882 VT2PRIB	VT2P	Y	82	CM,C2,Vi
Proseed	2181 VT2PRIB	VT2P	Y	81	CM,C2,Vi,Va
REA	2B851	VT2P	Y	85	AC,P5V,EDC-B
REA	83B33	VT2P	Y	83	AC,P5V,EDC-B
Renk	RK223RR	RR2	N	82	AC,P2
Renk	RK227VT2P	VT2P	N	82	AC,P2
Renk	RK256-3120-EZ	AA	Y	84	CM,C2
Rob-See-Co	RC2862-3220	V	Y	78	CM,C2,Vi
Rob-See-Co	RC3041-3110A	3110A	N	80	CM,C2,Vi
Stine	9141-30	V	N	81	Se,Sa,Sn,Sp
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	T6983 VT2P	VT2P	Y	83	AC,P2
Thunder	THX22-85	VT2P	N	85	AC,P5V,EDC-B

\* 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.

## 2022 Corn - Red River Central North Dakota & Minnesota [ RRCE ]

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

Company/Brand	Product/Brand	Technology	RIB	RM	Seed Treat.
Dairyland	DS-2919AM	AM	Y	89	Lum, L1
Dairyland	DS-3022AM	AM	Y	90	Lum, L1
DeKaib	DKC35-88RIB CK	VT2P	Y	85	AC,P5V,EDC-EL
DeKaib	DKC40-99RIB	TRE	Y	90	Treated
Dyna-Gro	D27VC87RIB	VT2P	N	87	AC,P5V
Dyna-Gro	D28VC33	VT2P	N	88	AC,P5V
Golden Harvest	G84J92-AA	AA	Y	84	AVC,C2,CM,C5,Vi,Va
Golden Harvest	G87A53-V	V	Y	87	AVC,C2,Vi,Va
Hefty	H3632	VT2P	N	86	HC
Hefty	H3712 RIB	VT2P	Y	87	HC
Hefty	H4052	VT2P	N	90	HC
Hefty	H4064	STX	N	90	HC
Innotech	IC3983-3220	V	Y	89	AVC,C2,Vi,Va
Latham	LH 3695 VT2P RIB	VT2P	Y	86	AC,P2
Latham	LH 3827 VT2P RIB	VT2P	Y	88	AC,P2
Latham	LH 3867 VT2P RIB	VT2P	Y	88	AC,P2
Latham	LH 3937 VT2P RIB	VT2P	Y	89	AC,P2
Legacy	LC403-22	AA	Y	90	AC,P2
NK Brand	NK8760-V	V	Y	87	AVC,C2,Vi,Va
NK Brand	NK9023-DV	DV	Y	90	AVC,C2,Vi,Va
Proseed	1790 VT2PRIB	VT2P	Y	90	CM,C2,Vi,Va
REA	2B863	VT2P	Y	86	AC,P5V,EDC-B
REA	3B903	VT2P	Y	90	AC,P5V,EDC-B
REA	86A94	STX	Y	86	AC,P5V,EDC-B
REA	EXP88B04	VT2P	Y	88	AC,P5V,EDC-B
Renk	RK297VT2P	VT2P	N	89	AC,P2
Renk	RK400VT2P	VT2P	N	90	AC,P2
Rob-See-Co	RC3601-GTA	GTA	N	86	CM,C2,Vi
Thunder	6090 AA	AA	Y	90	AC,P2
Thunder	T6389 VT2P	VT2P	Y	89	AC,P2
Thunder	T6888 VT2P	VT2P	Y	88	AC,P2
Thunder	T6987 VT2P	VT2P	Y	87	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

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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)
3110A	Agrisure® Artesian® Viptera® 3110 (Vip, CB,LL,GT)
AA	Agrisure® Above (CB,HX,LL,GT), formerly Agrisure® 3120
AM	Optimum® AcreMax®
DV	DuracadeViptera™ (Vip,CB,HX,RW,RW2,LL,GT), formerly Agrisure Duracade® 5222
GTA	Agrisure® Artesian® GTA
QR	Qrome™
RR2	Roundup Ready® 2 Corn
STX	SmartStax®
TRE	Trecepta®
V	Viptera™ (Vip,CB,HX,LL,GT), formerly Agrisure Viptera® 3220
VT2P	VT Double PRO®

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NOTE: 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
AC,P2	Acceleron® 250
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,SU+Zn	Acceleron® Poncho 500/Votivo, StepUp SP, StepUp Zn
AVC,C2,CM,C5,Vi,Va	Avicta® Complete 250, CruiserMaxx 500, Vibrance®, Vayantis®
AVC,C2,Vi,Va	Avicta® Complete 250, Vibrance®, Vayantis®
CM,C2	CruiserMaxx® 250
CM,C2,Vi	CruiserMaxx® 250 with Vibrance
CM,C2,Vi,Va	CruiserMaxx® 250 with Vibrance, Vayantis®
HC	Hefty Complete
Lum, L1	(2022) LumiGEN, Lumisure 1250
Se,Sa,Sn,Sp	Senator 250, Sativa, Spirato, Sebring
Treated	Treated seed, unspecified

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