

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

## 2022 Corn Grain Top 30 Harvest Report

Red River South North Dakota & Minnesota [RRSO]

MILNOR, ND

Steve Hogness, Sargent County, ND

<b>Early-Season Test</b>	<b>85 - 90</b> Day CRM B2022RRSO04a
<b>Top 30 of 36</b>	For Gross Income (Sorted by Yield) Average of (4) Replications
<b>PREV. CROP/HERB:</b>	Soybeans / Enlist Duo, Liberty
<b>SOIL DESCRIPTION:</b>	Gardena-Glyndon silt loam, moderately drained, non- irrigated
<b>SOIL CONDITION:</b>	Strip-Till, very high P, very high K, 6.2 pH, 4.6% OM, 22.7 CEC
<b>PEST MANAGEMENT:</b>	Accuron Flexi
<b>FERTILITY - Applied N:</b>	11 Fall
<b>Applied N-P-K (units):</b>	11-52-0
<b>SEDED - RATE - ROW:</b>	May 23 34.5 /A 30" spacing
<b>HARVESTED - STAND:</b>	Oct 20 33.3 /A

### TEST COMMENTS:

The plot was planted into strip-till the last part of May. Dry weather followed, with this area receiving an estimated 6 inches less than the average rainfall. Drought affected some hybrids worse than others, with zippering of the ears common among lower-yielding products. Minimal stalk-lodging was noticed throughout the plot. Steve said they had yields ranging from 130-180, depending on soil conditions in the field and how the planted hybrid handled the dry season.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Golden Harvest	G90S99-DV ↗	DV	90	<b>196.9</b>	16.6	0	33.4	1260	1
Legacy	LC403-22 ↗	AA	90	<b>195.8</b>	16.4	0	34.0	1254	2
Integra	4023-3220A ↗	V	90	<b>193.6</b>	16.8	0	33.3	1238	3
Dairyland	DS-3022AM ↗	AM	90	<b>178.3</b>	14.9	0	33.3	1148	4
Innotech	IC3983-3220 ↗	V	89	<b>177.8</b>	15.6	0	33.3	1143	5
Hefty	H4052 ↗	VT2P	90	<b>177.6</b>	15.4	0	32.5	1142	6
Thunder	T6389 VT2P ↗	VT2P	89	<b>176.6</b>	14.2	0	33.3	1137	7
REA	3B903 ↗	VT2P	90	172.5	14.4	0	33.7	1111	8
Renk	RK400VT2P ↗	VT2P	90	172.3	15.7	0	34.0	1107	9
Hefty	H4064 ↗	STX	90	171.4	14.6	0	32.5	1104	10
Dairyland	DS-2505Q ↗	QR	85	171.0	14.2	0	32.9	1101	11
Rob-See-Co	RC3601-GTA ↗	GTA	86	167.9	15.7	0	34.0	1078	12
Dairyland	DS-2919AM ↗	AM	89	166.5	15.2	0	32.9	1071	13
Latham	LH 3937 VT2P RIB ↗	VT2P	89	164.7	15.7	0	32.5	1058	14
Legacy	LC353-22 ↗	AA	85	163.6	15.2	0	33.3	1053	15
Golden Harvest	G87A53-V ↗	V	87	163.1	16.0	1	32.5	1046	17
Renk	RK297VT2P ↗	VT2P	89	163.0	14.5	0	33.7	1050	16
NK Brand	NK8760-V ↗	V	87	162.2	16.0	0	32.2	1041	18
Integra	3629 VT2PRIB ↗	VT2P	86	161.4	14.4	0	32.9	1039	19
Latham	LH 3867 VT2P RIB ↗	VT2P	88	160.8	14.7	0	33.7	1036	20
Thunder	T6888 VT2P ↗	VT2P	88	160.4	14.5	0	32.9	1033	21
REA	EXP88B04 ↗	VT2P	88	159.4	14.2	0	32.9	1026	22
Thunder	T6085 VT2P ↗	VT2P	85	158.0	14.0	0	33.3	1018	23
REA	86A94 ↗	STX	86	155.5	14.6	0	33.3	1001	24
Thunder	T6987 VT2P ↗	VT2P	87	155.5	14.3	3	32.9	1001	25
REA	2B863 ↗	VT2P	86	154.3	15.3	0	34.4	993	26
Dairyland	DS-2531AM ↗	AM	85	154.2	14.1	0	34.0	993	27
Hefty	H3712 RIB ↗	VT2P	87	153.8	14.5	2	32.9	990	28
Latham	LH 3827 VT2P RIB ↗	VT2P	88	153.8	15.0	0	34.0	990	29
Dyna-Gro	D27VC87RIB ↗	VT2P	87	152.0	14.5	0	32.9	978	30
DEKALB	DKC40-99RIB CK	TRE	90	151.0	14.9	0	33.7	972	32

Averages = **163.8** **14.9** **0** **33.3** **1055**

LSD (0.10) = 9.2 0.4 ns

LSD (0.25) = 4.9 0.2 ns

C.V. = 6.2

Historic yield: 197.61 bu/a, 3 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 = \$6.44

Report Date: 10/21/2022

† 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

©2022, 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

## 2022 Corn Grain Top 30 Harvest Report

Red River South North Dakota & Minnesota [RRSO]  
MILNOR, ND  
Steve Hogness, Sargent County, ND

**Full-Season Test** 91 - 95 Day CRM  
B2022RRSO04b

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

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

**SOIL DESCRIPTION:** Gardena-Glyndon silt loam,  
moderately drained, non-  
irrigated

**SOIL CONDITION:** Strip-Till, very high P, very high  
K, 6.2 pH, 4.6% OM, 22.7 CEC

**PEST MANAGEMENT:** Accuron Flexi

**FERTILITY - Applied N:** 11 Fall

**Applied N-P-K (units):** 11-52-0

**SEDED - RATE - ROW:** May 23 34.5 /A 30" spacing

**HARVESTED - STAND:** Oct 20 33.2 /A

### TEST COMMENTS:

The plot was planted into strip-till the last part of May. Dry weather followed, with this area receiving an estimated 6 inches less than the average rainfall. Drought affected some hybrids worse than others, with zippering of the ears common among lower-yielding products. Minimal stalk-lodging was noticed throughout the plot. Steve said they had yields ranging from 130-180, depending on soil conditions in the field and how the planted hybrid handled the dry season.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Rob-See-Co	RC4166-3110A ↗	3110A	91	<b>161.6</b>	15.9	0	33.7	1037	1
Rob-See-Co	RC4535-3110 ↗	3110	95	<b>156.6</b>	15.7	0	33.3	1006	2
NK Brand	NK9175-DV ↗	DV	91	<b>156.1</b>	17.1	0	32.9	997	3
Golden Harvest	G91V51-DV ↗	DV	91	<b>149.5</b>	17.1	0	34.0	955	4
Hefty	H4564 ↗	STX	95	<b>149.1</b>	17.5	0	33.3	951	6
Renk	RK444VT2P ↗	VT2P	93	<b>148.2</b>	15.2	0	33.7	954	5
Dairyland	DS-3550AM ↗	AM	95	<b>148.2</b>	17.7	0	33.3	944	7
Thunder	THX22-95 ↗	VT2P	95	<b>147.0</b>	15.8	0	33.3	944	8
NK Brand	NK9231-AA ↗	AA	92	146.7	16.7	0	34.0	938	9
Enestvedt	E612RR ↗	RR2	92	144.9	15.4	0	32.9	932	10
Latham	LH 4242 VT2P RIB ↗	VT2P	92	144.3	16.0	0	32.9	926	11
Latham	LH 4527 VT2P RIB ↗	VT2P	95	142.6	16.8	0	33.7	912	12
Hefty	H4462 ↗	VT2P	94	140.8	15.7	0	33.3	904	13
NK Brand	NK9347-D ↗	D	93	139.6	15.7	0	33.7	897	15
Thunder	T6294 VT2P ↗	VT2P	94	139.6	16.2	0	31.8	895	16
Dyna-Gro	D31VC23 ↗	VT2P	91	139.4	14.9	0	32.9	898	14
Latham	LH 4454 VT2P RIB ↗	VT2P	94	139.1	16.5	0	33.3	891	17
REA	95A36 ↗	STX	95	137.1	15.2	0	33.7	882	18
Dairyland	DS-3477AM ↗	AM	94	137.0	14.7	0	33.7	882	19
Renk	RK502SSTX ↗	STX	95	136.7	15.9	0	33.7	877	20
Dyna-Gro	D33QZ83 ↗	V	93	133.9	15.8	0	31.8	860	21
Thunder	T6595 VT2P ↗	VT2P	95	133.4	16.2	0	33.7	855	23
Dyna-Gro	D34VC93 ↗	VT2P	94	133.2	15.0	0	33.7	858	22
Dairyland	DS-3366AM ↗	AM	93	132.3	15.3	0	32.5	851	24
REA	4B958 ↗	VT2P	95	132.3	15.5	0	33.7	850	25
Hefty	H4522 ↗	VT2P	95	131.9	16.1	0	32.9	846	26
Hefty	H4262 RIB ↗	VT2P	92	131.1	14.8	0	32.9	844	27
Rob-See-Co	RC4213-3120 ↗	AA	92	130.9	15.1	0	32.5	842	28
Latham	LH 4517 VT2P RIB ↗	VT2P	95	130.5	15.5	0	32.9	839	29
Latham	LH 4375 VT2P RIB ↗	VT2P	93	130.2	14.7	0	33.7	838	30
DEKALB	DKC40-99RIB CK	TRE	90	121.8	13.7	0	33.3	784	36

Averages = **136.0** **15.6** **0** **33.2** **873**

LSD (0.10) = 10.8 0.6 ns

LSD (0.25) = 5.7 0.3 ns

C.V. = 8.7

Historic yield: 197.61 bu/a, 3 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 = \$6.44

Report Date: 10/21/2022

† 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

©2022, All rights reserved by Elite Field Genetics, LLC

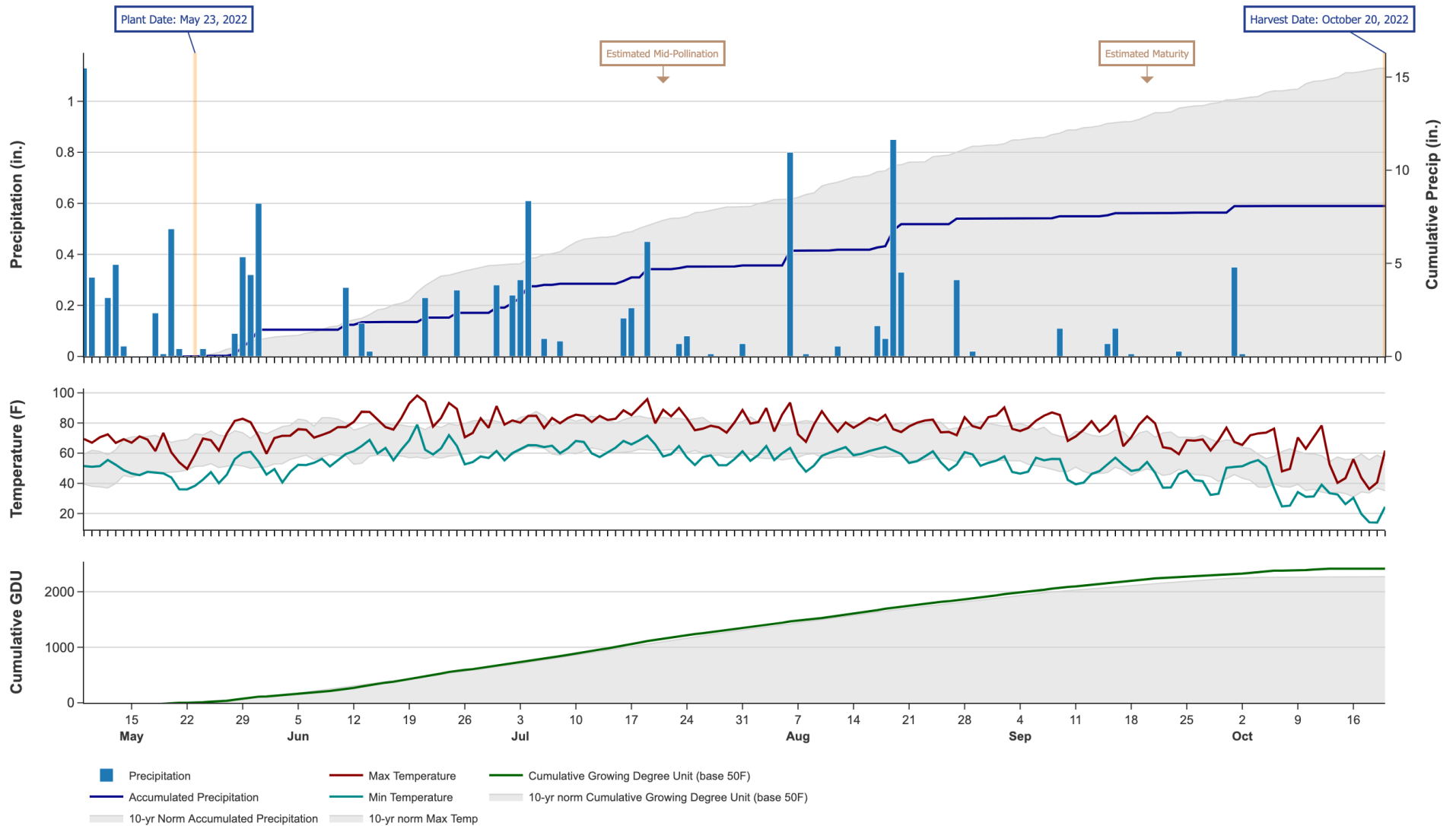
Additional reports available at [www.firstseedtests.com](http://www.firstseedtests.com)

# 2022 Corn - Red River South North Dakota & Minnesota [ RRSO ]

## Weather Conditions Summary at MILNOR, ND

Weather Data Retrieved: 10/21/2022

Monthly Total	May*	Jun	Jul	Aug	Sep	Oct*	Total
Precip (in)   Normal (Diff)	4.2   2.3 (+1.9)	1.2   4.0 (-2.8)	2.3   3.1 (-0.9)	2.5   3.3 (-0.8)	0.3   2.4 (-2.1)	0.4   1.7 (-1.4)	10.9   16.9 (-6.0)
GDU   Normal (Diff)	225   203 (+21)	557   546 (+10)	674   666 (+7)	573   567 (+5)	395   360 (+34)	105   34 (+70)	2529   2378 (+150)



\* 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 South North Dakota & Minnesota [ RRSO ]

### Early-Season Test Products (36 Total)

Company/Brand	Product/Brand	Technology	RIB	RM	Seed Treat.
Dairyland	DS-2505Q	QR	Y	85	Lum, L1
Dairyland	DS-2531AM	AM	Y	85	Lum, L1
Dairyland	DS-2919AM	AM	Y	89	Lum, L1
Dairyland	DS-3022AM	AM	Y	90	Lum, L1
DeKalb	DKC35-88RIB GC	VT2P	Y	85	AC,P5V,SU+Zn
DeKalb	DKC40-99RIB CK	TRE	Y	90	AC,P5V,EDC-EL
Dyna-Gro	D27VC87RIB	VT2P	N	87	AC,P5V
Dyna-Gro	D28VC33	VT2P	N	88	AC,P5V
Golden Harvest	G87A53-V	V	Y	87	AVC,C2,Vi,Va
Golden Harvest	G90S99-DV	DV	Y	90	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
Integra	3629 VT2PRIB	VT2P	Y	86	AC,P5V,SU+Zn
Integra	4023-3220A	V	N	90	CM,C2,Vi
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	LC353-22	AA	Y	85	AC,P2
Legacy	LC403-22	AA	Y	90	AC,P2
NK Brand	NK8760-V	V	Y	87	AVC,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	T6085 VT2P	VT2P	Y	85	AC,P2
Thunder	T6185 VT2P	VT2P	Y	85	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.

## 2022 Corn - Red River South North Dakota & Minnesota [ RRSO ]

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

Company/Brand	Product/Brand	Technology	RIB	RM	Seed Treat.
Dairyland	DS-3203AM	AM	Y	92	Lum, L1
Dairyland	DS-3366AM	AM	Y	93	Lum, L1
Dairyland	DS-3477AM	AM	Y	94	Lum, L1
Dairyland	DS-3550AM	AM	Y	95	Lum, L1
DeKalb	DKC40-99RIB CK	TRE	Y	90	AC,P5V,EDC-EL
DeKalb	DKC44-98RIB GC	VT2P	Y	94	AC,P5V,EDC-EL
Dyna-Gro	D31VC23	VT2P	N	91	AC,P2
Dyna-Gro	D33QZ83	V	N	93	AC,P5V
Dyna-Gro	D34VC93	VT2P	N	94	AC,P5V,EDC-B
Enestvedt	E612RR	RR2	N	92	AC,P2
Golden Harvest	G91V51-DV	DV	Y	91	AVC,C2,Vi,Va
Golden Harvest	G93A49-D	D	Y	93	AVC,C2,Vi,Va
Hefty	H4262 RIB	VT2P	Y	92	HC
Hefty	H4332	VT2P	N	93	HC
Hefty	H4462	VT2P	N	94	HC
Hefty	H4522	VT2P	N	95	HC
Hefty	H4564	STX	N	95	HC
Latham	LH 4242 VT2P RIB	VT2P	Y	92	AC,P2
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 4527 VT2P RIB	VT2P	Y	95	AC,P5V,EDC-B
NK Brand	NK9175-DV	DV	Y	91	AVC,C2,Vi,Va
NK Brand	NK9231-AA	AA	Y	92	AVC,C2,Vi,Va
NK Brand	NK9347-D	D	Y	93	AVC,C2,Vi,Va
REA	4B944	VT2P	Y	94	AC,P5V,EDC-B
REA	4B958	VT2P	Y	95	AC,P5V,EDC-B
REA	92B10	VT2P	Y	92	AC,P5V,EDC-B
REA	95A36	STX	Y	95	AC,P5V,EDC-B
Renk	RK444VT2P	VT2P	N	93	AC,P5V
Renk	RK502SSTX	STX	N	95	AC,P5V
Rob-See-Co	RC4166-3110A	3110A	N	91	CM,C2,Vi
Rob-See-Co	RC4213-3120	AA	Y	92	AVC,C2,Vi,Va
Rob-See-Co	RC4535-3110	3110	N	95	CM,C2,Vi
Stine	9319-10	3010	N	93	Se,Sa,Sn,Sp
Thunder	T6294 VT2P	VT2P	Y	94	AC,P2
Thunder	T6595 VT2P	VT2P	Y	95	AC,P2
Thunder	T6791 VT2P	VT2P	Y	91	AC,P2
Thunder	T6992 VT2P	VT2P	Y	92	AC,P2
Thunder	THX22-95	VT2P	Y	95	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.

## 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 Technologies

---

3010	Agrisure® 3010 (GT,CB,LL), formerly GT/CB/LL
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®
D	Duracade™ (CB,HX,RW,RW2,LL,GT), formerly Agrisure Duracade® 5122
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®

---

NOTE: The refuge component genetics may vary in a refuge blend seed product.

### Corn Seed Treatments\*

---

NA	Not Available
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,Vi,Va	Avicta® Complete 250, Vibrance®, Vayantis®
CM,C2,Vi	CruiserMaxx® 250 with Vibrance
HC	Hefty Complete
Lum, L1	(2022) LumiGEN, Lumisure 1250
Se,Sa,Sn,Sp	Senator 250, Sativa, Spirato, Sebring

---

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