

Test by: F.I.R.S.T. CCB, Inc. Elizabeth, IL

## 2023 Corn Grain Top 30 Harvest Report

Iowa East Central [IAEC] MUSCATINE, IA  
Diaan Roos, Muscatine County, IA 52716

<b>Early-Season Test</b>	105 - 110 Day CRM B2023IAEC12a
<b>Top 30 of 45</b>	For Gross Income (Sorted by Yield) Average of (3) Replications
<b>PREV. CROP/HERB:</b>	Corn / NA
<b>SOIL DESCRIPTION:</b>	Tama silty clay loam, well drained, non-irrigated
<b>SOIL CONDITION:</b>	No-Till, very high P, very high K, 5.9 pH, 4.0% OM, 17.1 CEC
<b>PEST MANAGEMENT:</b>	Buccaneer (2), Atrazine (2), Bellum, Diflexx, Fungicide
<b>FERTILITY - Applied N:</b>	190 Spring, Fall feedlot manure, 15.5 lb S spring
<b>Applied N-P-K (units):</b>	190-0-0
<b>SEEDED - RATE - ROW:</b>	May 3 32.0 /A 30" spacing
<b>HARVESTED - STAND:</b>	Sep 30 30.4 /A

### TEST COMMENTS:

Planting conditions were very good and plants emerged strong. The location did not receive rainfall until July but did catch above-average rain in the first part of August. Plants stood tall with no lodging issues. Ears were well pollinated and were large in size. Some plants still had green foliage. This was a nice looking corn-on-corn plot. Strong cobs made shelling easy, with small areas of tar spot.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Cornelius	C6847TRE ↗	TRE	108	<b>288.4</b>	19.7	1	30.0	1354	1
Hefty	H5862 ↗	VT2P	108	<b>287.1</b>	19.8	1	30.0	1346	2
Midwest Genetics	08-06VT2PRIB GC ↗	VT2P	108	<b>281.9</b>	19.3	1	30.9	1327	4
Epley	E1512SS ↗	STX	105	<b>281.2</b>	18.2	1	30.9	1337	3
LG Seeds	LG58C48VT2PRIB ↗	VT2P	108	<b>278.8</b>	18.4	1	30.0	1322	5
Hefty	H5952 ↗	VT2P	109	<b>277.0</b>	21.0	1	30.0	1285	10
Kruger	K0915DD ↗	VT2PDG	109	<b>275.7</b>	21.0	1	30.9	1279	12
Wyffels	W6215 ↗	TRE	109	273.3	17.9	1	30.0	1302	6
NuTech	70F6Q ↗	QR	110	272.5	21.1	1	30.9	1264	20
Integra	6061 STXRIB ↗	STX	110	272.5	20.7	1	30.0	1268	16
FS InVision	FS 5835V RIB ↗	VT2P	108	272.0	18.7	1	30.9	1287	9
FS InVision	FS 5725X RIB ↗	STX	107	271.5	20.2	1	30.9	1269	15
Titan Pro	39-08 PCE ↗	PCE	108	271.5	19.5	1	30.9	1276	13
FS InVision	FS 6017V RIB ↗	VT2P	110	271.4	19.1	1	30.9	1280	11
Renk	RK773TRE ↗	TRE	109	271.1	19.4	1	30.0	1275	14
NuTech	68A9AM ↗	AM	108	270.1	17.3	1	30.0	1293	8
FS InVision	FS 5935X RIB ↗	STX	109	269.5	19.4	1	29.0	1268	17
Wyffels	W5406 ↗	VT2P	108	267.9	19.0	1	31.9	1265	19
Titan Pro	31-10 PCE ↗	PCE	110	267.7	22.5	1	30.9	1226	26
Kruger	K0783DP ↗	VT2P	107	267.6	19.1	1	30.9	1262	22
Cornelius	C7021DP ↗	VT2P	110	266.5	18.2	1	30.9	1267	18
Kruger	K0957SP ↗	STXP	109	266.3	21.9	1	29.0	1226	27
Golden Harvest	G10D21-VZ ↗	VZ	110	265.4	21.9	1	31.9	1222	28
Wyffels	W5019 ↗	STXP	107	264.6	17.6	1	29.0	1264	21
FS InVision	FS 6025X RIB ↗	STX	110	264.5	22.5	1	31.9	1212	31
Renk	RK766SSPRO ↗	STXP	109	263.4	21.1	1	30.0	1221	29
Renk	RK703PWE ↗	PCE	106	263.4	18.3	1	30.0	1250	23
Integra	5704 SSSPRO ↗	STXP	107	261.4	19.5	1	29.0	1228	25
Kruger	K0858DP ↗	VT2P	108	260.5	18.9	1	29.0	1231	24
Midwest Genetics	EX0937 PCE GC ↗	PCE	109	257.8	18.7	2	30.0	1220	30
DEKALB	DKC111-35RIB CK	VT2P	111	279.0	20.7	1	30.0	1298	7
				<b>Averages =</b>	<b>263.5</b>	<b>19.8</b>	<b>1</b>	<b>30.4</b>	<b>1235</b>
				LSD (0.10) =	11.5	1.4	0		
				LSD (0.25) =	6.0	0.7	0		
				C.V. =	4.1				
				Historic yield: 221.82 bu/a, 12 yr(s)					



Randy Meinsma

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### Yield & Income Factors:

Base Moisture = 15.0% Shrink = 1.3 Drying = \$0.04 Prices: GMO = \$4.88

Report Date: 10/06/2023

† 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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## 2023 Corn Grain Top 30 Harvest Report

Iowa East Central [IAEC] MUSCATINE, IA  
Diaan Roos, Muscatine County, IA 52716

<b>Full-Season Test</b>	111 - 115 Day CRM B2023IAEC12b
<b>Top 30 of 45</b>	For Gross Income (Sorted by Yield) Average of (3) Replications
<b>PREV. CROP/HERB:</b>	Corn / NA
<b>SOIL DESCRIPTION:</b>	Tama silty clay loam, well drained, non-irrigated
<b>SOIL CONDITION:</b>	No-Till, very high P, very high K, 5.9 pH, 4.0% OM, 17.1 CEC
<b>PEST MANAGEMENT:</b>	Buccaneer (2), Atrazine (2), Bellum, Diflexx, Fungicide
<b>FERTILITY - Applied N:</b>	190 Spring, Fall feedlot manure, 15.5 lb S spring
<b>Applied N-P-K (units):</b>	190-0-0
<b>SEEDED - RATE - ROW:</b>	May 3 32.0 /A 30" spacing
<b>HARVESTED - STAND:</b>	Sep 30 30.7 /A

### TEST COMMENTS:

Planting conditions were very good and plants emerged strong. The location did not receive rainfall until July but did catch above-average rain in the first part of August. Plants stood tall with no lodging issues. Ears were well pollinated and were large in size. Some plants still had green foliage. This was a nice looking corn-on-corn plot. Strong cobs made shelling easy, with small areas of tar spot.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Wyffels	W7945RIB ↗	TRE	114	<b>293.1</b>	21.7	1	30.0	1352	1
FS InVision	FS 6432P RIB ↗	STXP	114	<b>292.3</b>	22.8	1	30.9	1336	3
ProHarvest	83P66 VT2P ↗	VT2P	113	<b>292.2</b>	23.0	1	30.0	1333	4
Kruger	K1562DT ↗	TRE	115	<b>291.6</b>	21.8	1	31.9	1343	2
ProHarvest	84P78 TRERIB ↗	TRE	114	<b>288.1</b>	23.2	1	30.0	1311	6
Integra	6493 VT2PRIB ↗	VT2P	114	<b>286.0</b>	23.2	1	30.9	1302	7
Titan Pro	33-12 PCE ↗	PCE	112	<b>280.5</b>	21.5	1	30.9	1296	8
Renk	RK958VT2P ↗	VT2P	115	<b>279.7</b>	22.0	1	30.0	1286	11
Integra	6588 VT2PRIB ↗	VT2P	115	<b>279.2</b>	26.7	1	30.0	1231	18
Kruger	K1191DT ↗	TRE	111	<b>278.6</b>	18.8	1	31.9	1318	5
Wyffels	W6886 ↗	VT2P	111	<b>276.8</b>	23.7	1	30.9	1255	14
Kruger	K1139SS ↗	STX	111	<b>276.4</b>	22.2	1	31.9	1269	12
Kruger	K1460DT ↗	TRE	114	<b>276.1</b>	20.5	1	30.9	1287	10
Golden Harvest	G15J91-V ↗	V	115	272.0	24.2	1	30.9	1228	19
Wyffels	W7759 ↗	STXP	113	271.6	21.6	1	31.9	1253	15
NuTech	74C4AM ↗	AM	114	269.0	21.0	1	30.9	1248	16
Wyffels	W8086 ↗	VT2P	114	268.9	23.2	1	30.0	1224	21
NuTech	71A2AM ↗	AM	111	267.3	23.5	1	30.0	1213	24
Hefty	H6252 ↗	VT2P	112	267.2	19.4	1	30.0	1257	13
Cornelius	C7235PC ↗	PCE	112	267.1	21.0	1	30.9	1239	17
Kruger	K1364DT ↗	TRE	113	266.8	22.0	1	30.9	1228	20
Cornelius	C7366DGDP ↗	VT2PDG	113	265.4	22.4	1	30.9	1216	23
Integra	6244 PWE ↗	PCE	112	263.4	23.8	1	30.9	1193	28
NuTech	73A4AM ↗	AM	113	261.3	22.3	1	31.9	1199	27
Wyffels	W7048 ↗	STX	111	260.8	20.3	1	30.0	1218	22
Epley	E2109PWE ↗	PCE	111	260.7	23.7	1	30.0	1181	30
FS InVision	FS 6217X RIB ↗	STX	112	259.7	20.9	1	30.9	1206	25
ProHarvest	83P33 DGVT2PRIB ↗	VT2PDG	113	259.3	22.7	1	30.9	1186	29
LG Seeds	LG64C20-5222 ↗	DV	114	258.3	20.5	1	30.0	1204	26
Hefty	H6244 ↗	STX	112	257.8	22.6	1	29.0	1179	31
DEKALB	DKC111-35RIB CK	VT2P	111	276.4	20.3	1	30.0	1290	9
				<b>Averages =</b>	<b>266.6</b>	<b>22.6</b>	<b>1</b>	<b>30.7</b>	<b>1220</b>
				LSD (0.10) =	7.8	1.4	ns		
				LSD (0.25) =	4.1	0.7	ns		
				C.V. =	2.8				
Randy Meinsma				Historic yield: 221.82 bu/a, 12 yr(s)					
randym@firstseedtests.com, (815) 238-8007									

**Yield & Income Factors:** Base Moisture = 15.0% Shrink = 1.3 Drying = \$0.04 Prices: GMO = \$4.88

Report Date: 10/06/2023

† 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

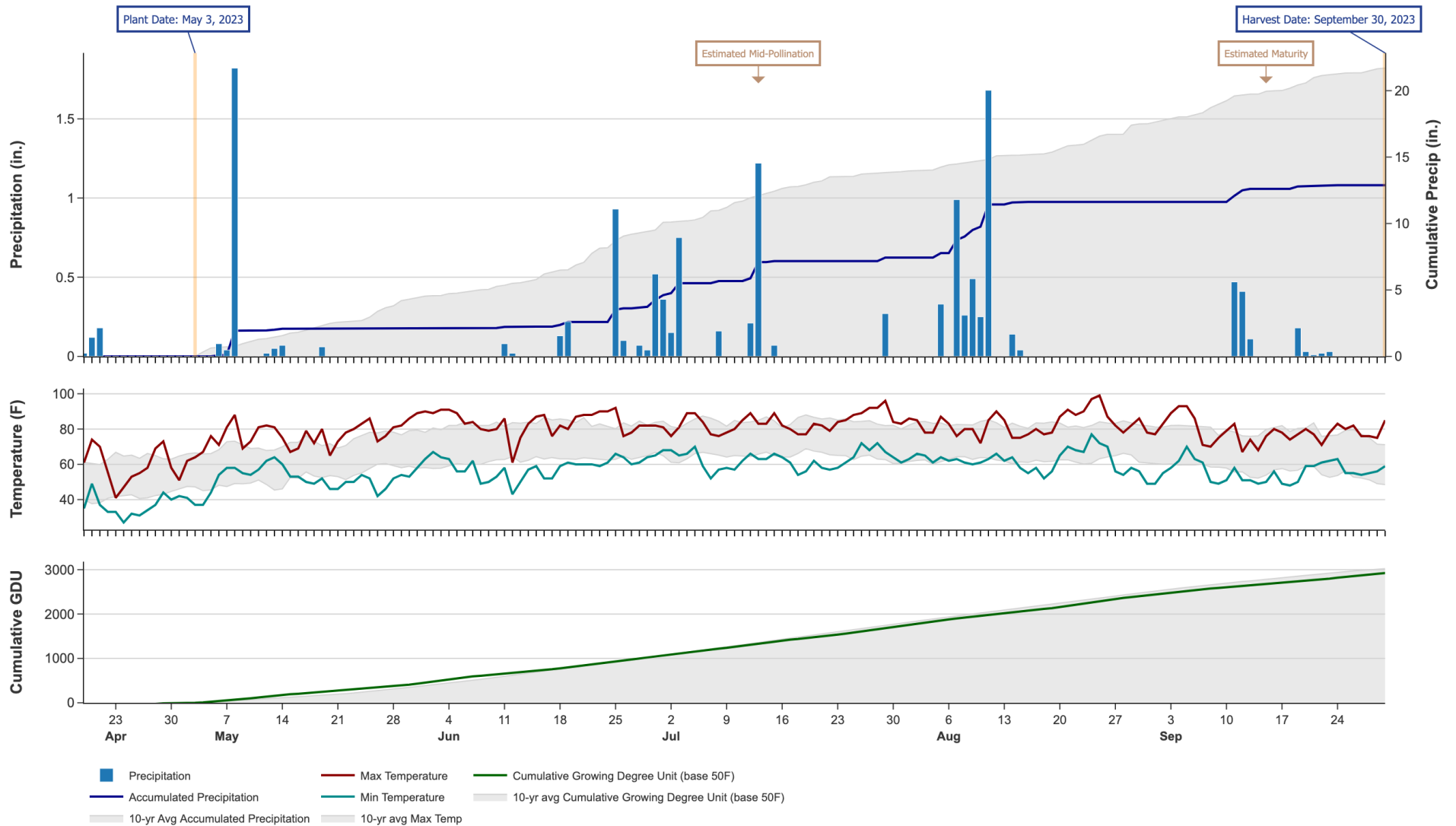
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# 2023 Corn - Iowa East Central [ IAEC ]

## Weather Conditions Summary at MUSCATINE, IA

Monthly Total	Apr*	May	Jun	Jul	Aug	Sep*	Total
Precip (in)   (Diff)	0.3   1.4 (-1.1)	2.1   5.1 (-2.9)	2.1   5.1 (-3.0)	3.2   4.4 (-1.2)	4.2   3.6 (+0.6)	1.3   4.2 (-2.9)	13.2   23.8 (-10.6)
GDU   Avg (Diff)	43   70 (-27)	444   389 (+54)	614   676 (-62)	696   754 (-58)	676   702 (-26)	506   522 (-16)	2979   3115 (-136)



\* 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.

## 2023 Corn - Iowa East Central [ IAEC ]

### Early-Season Test Products (45 Total)

Company/Brand	Product/Brand	Technology	RIB	RM	Seed Treat.
Cornelius	C6578PC	PCE	N	105	AC,P5V
Cornelius	C6847TRE	TRE	N	108	AVC
Cornelius	C7021DP	VT2P	N	110	AVC
DeKalb	DKC111-35RIB	VT2P	Y*	111	AC,P5V,EDC-EL
Dyna-Gro	D50VC09RIB	VT2P	Y*	110	AC,P5V
Epley	E1512SS	STX	N	105	Vi5
FS InVision	FS 5725X RIB	STX	Y	107	AC,P5V,EDC-EL
FS InVision	FS 5835V RIB	VT2P	Y	108	AC,P5V,EDC-EL
FS InVision	FS 5935X RIB	STX	Y	109	AC,P5V,EDC-EL
FS InVision	FS 6017V RIB	VT2P	Y	110	AC,P5V,EDC-EL
FS InVision	FS 6025X RIB	STX	Y	110	AC,P5V,EDC-EL
Golden Harvest	G10B61-AA	AA	Y	110	CM,C5,Va
Golden Harvest	G10D21-VZ	VZ	Y	110	AVC,C5,Vi,Va
Hefty	H5674	STXP	Y	106	HC
Hefty	H5862	VT2P	N	108	HC
Hefty	H5944	STX	N	109	HC
Hefty	H5952	VT2P	N	109	HC
Integra	5704 SSPRO	STXP	Y	107	AC,P5V
Integra	5802 VT2PRIB	VT2P	Y	108	AC,P5V,SU+Zn
Integra	6061 STXRIB	STX	Y	110	AC,P5V,SU+Zn
Kruger	K0783DP	VT2P	Y	107	AC,P5V
Kruger	K0858DP	VT2P	Y	108	AC,P5V
Kruger	K0915DD	VT2PDG	Y	109	AC,P5V
Kruger	K0957SP	STXP	Y	109	AC,P5V
LG Seeds	LG58C48VT2PRIB	VT2P	Y	108	AC, PV
Midwest Genetics	08-06VT2PRIB	VT2P	Y	108	AC, PV
Midwest Genetics	EX0937 PCE	PCE	Y	109	AC, PV
NuTech	65D3Q	QR	Y	105	Lum, L1
NuTech	66D1AM	AM	Y	106	Lum, L1
NuTech	68A9AM	AM	Y	108	Lum, L1
NuTech	70B4AM	AM	Y	110	Lum, L1
NuTech	70F6Q	QR	Y	110	Lum, L1
Pioneer	P1027AM	AM	Y	110	Lum, L1
Renk	RK703PWE	PCE	N	106	Lum,P5V
Renk	RK707TRE	TRE	N	105	AC,P5V,B300
Renk	RK720TRE	TRE	N	106	AC,P2
Renk	RK766SSPRO	STXP	N	109	AC,P5V,B300
Renk	RK773TRE	TRE	N	109	AC,P5V,B300
Titan Pro	31-10 PCE	PCE	N	110	CM,C2,Vi,Va
Titan Pro	37-06 PCE	PCE	N	106	CM,C2,Vi,Va
Titan Pro	39-08 PCE	PCE	N	108	CM,C2,Vi,Va
Wyffels	W5019	STXP	N	107	AC,P5

Company/Brand	Brand/Product	Technology	RIB	RM	Seed Treat.
Wyffels	W5086RIB	VT2P	Y	107	CM,C2,Vi,Va
Wyffels	W5406	VT2P	N	108	AC,P5
Wyffels	W6215	TRE	N	109	CM,C2,Vi,Va

\* 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.

## 2023 Corn - Iowa East Central [ IAEC ]

### Full-Season Test Products (45 Total)

Company/Brand	Product/Brand	Technology	RIB	RM	Seed Treat.
Cornelius	C7202SSP	STXP	N	112	AC,P5V,EDC-EL
Cornelius	C7235PC	PCE	N	112	CM,C2,Vi,Va
Cornelius	C7366DGDP	VT2PDG	N	113	AVC
DeKalb	DKC111-35RIB	VT2P	Y*	111	AC,P5V,EDC-EL
Epley	E2109PWE	PCE	N	111	Vi5
FS InVision	FS 6217X RIB	STX	Y	112	AC,P5V,EDC-EL
FS InVision	FS 6306T RIB	TRE	Y*	113	AC,P5V,EDC-EL
FS InVision	FS 6395VDG RIB	VT2PDG	Y	113	AC,P5V,EDC-EL
FS InVision	FS 6432P RIB	STXP	Y	114	AC,P5V,EDC-EL
FS InVision	FS 6595V RIB	VT2P	Y	115	AC,P5V,EDC-EL
Golden Harvest	G11V76-AA	AA	Y	111	CM,C5,Va
Golden Harvest	G15J91-V	V	Y	115	CM,C5,Va
Hefty	H6244	STX	N	112	HC
Hefty	H6252	VT2P	N	112	HC
Hefty	H6263	VT2PDG	N	112	HC
Hefty	H6355	TRE	N	113	HC
Integra	6244 PWE	PCE	N	112	AC,P5V
Integra	6493 VT2PRIB	VT2P	Y*	114	AC,P5V,SU+Zn
Integra	6588 VT2PRIB	VT2P	Y	115	AC,P5V,SU+Zn
Kruger	K1139SS	STX	Y	111	AC,P5V
Kruger	K1191DT	TRE	Y	111	AC,P5V
Kruger	K1364DT	TRE	Y	113	AC,P5V
Kruger	K1460DT	TRE	Y	114	AC,P5V
Kruger	K1562DT	TRE	Y	115	AC,P5V
LG Seeds	LG64C20-5222	DV	Y	114	AC,P5V
NuTech	71A2AM	AM	Y	111	Lum, L1
NuTech	72A5Q	QR	Y	112	Lum, L1
NuTech	73A4AM	AM	Y	113	Lum, L1
NuTech	73A6Q	QR	Y	113	Lum, L1
NuTech	74C4AM	AM	Y	114	Lum, L1
Pioneer	P13050AM	AM	Y	113	Lum, L1
ProHarvest	83P33 DGVT2PRIB	VT2PDG	Y	113	AC,P5V,Va
ProHarvest	83P66 VT2P	VT2P	N	113	AC,P5V,Va
ProHarvest	84P78 TRERIB	TRE	Y	114	AC,P5V,Va
Renk	RK811PWE	PCE	N	111	Lum,P5V
Renk	RK895DGVT2P	VT2PDG	N	113	AC,P2
Renk	RK915VT2P	VT2P	N	115	AC,P2
Renk	RK958VT2P	VT2P	N	115	AC,P2
Titan Pro	28-14 PCE	PCE	N	114	CM,C2,Vi,Va
Titan Pro	33-12 PCE	PCE	N	112	CM,C2,Vi,Va
Wyffels	W6886	VT2P	N	111	AC,P5
Wyffels	W7048	STX	N	111	AC,P5

Company/Brand	Brand/Product	Technology	RIB	RM	Seed Treat.
Wyffels	W7759	STXP	N	113	AC,P5
Wyffels	W7945RIB	TRE	Y*	114	CM,C2,Vi,Va
Wyffels	W8086	VT2P	N	114	AC,P5

\* 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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CK	Identifies a check product included in early- and full-season tests.
GC	Grower Comparison product included by FIRST when space permits.
^	Innotech™ brand seed is distributed by Rob-See-Co, LLC. Innotech™ is a trademark of Syngenta. Power Plus® brand seed is distributed by Burrus. Power Plus® is a registered trademark of Corteva Agriscience.

### Corn Technologies

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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
PCE	PowerCore® Enlist®
QR	Qrome®
STX	SmartStax®
STXP	SmartStax® Pro with RNAi Technology
TRE	Trecepta®
V	Viptera™ (Vip,CB,HX,LL,GT), formerly Agrisure Viptera® 3220
VT2P	VT Double PRO®
VT2PDG	DroughtGard® with VT Double PRO®
VZ	Viptera™ Z3 (Vip,CB,VTP,LL,GT), formerly Agrisure Viptera® 3330

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

### Corn Seed Treatments\*

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NA	Not Available
AC,P2	Acceleron® 250
AC,P5	Acceleron® 500
AC,P5V	Acceleron® Poncho 500/Votivo
AC,P5V,B300	Acceleron® Poncho 500/Votivo with B-300 SAT
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
AC,P5V,Va	Acceleron® Poncho 500/Votivo, Vayantis®
AC, PV	Acceleron Unspecified, Poncho, Votivo
AVC	Avicta® Complete Corn
AVC,C5,Vi,Va	Avicta Complete 500, Vibrance, Vayantis
CM,C2,Vi,Va	CruiserMaxx® 250 with Vibrance, Vayantis®
CM,C5,Va	CruiserMaxx® 500 with Vayantis®
HC	Hefty Complete
Lum, L1	LumiGEN, Lumisure 1250
Lum,P5V	LumiGEN™ Poncho 500/Votivo
Vi5	Vibrance® Cinco

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