

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

2023 Corn Grain Top 30 Harvest Report

Iowa East Central [IAEC] CENTRAL CITY, IA
Jim Greif, Linn County, IA 52310

Early-Season Test	105 - 110 Day CRM B2023IAEC11a
Top 30 of 45	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Soybeans / Anthem Maxx, Liberty, Volunteer, Princep li
SOIL DESCRIPTION:	Clyde-Floyd silty clay loam, well drained, non-irrigated
SOIL CONDITION:	No-Till, very high P, very high K, 5.5 pH, 3.9% OM, 18.0 CEC
PEST MANAGEMENT:	Buccaneer Plus, Atrazine, Outlook, Amerzon, Buccaneer 5
FERTILITY - Applied N:	167 Spring, 8 Planter
Applied N-P-K (units):	175-79-76
SEEDED - RATE - ROW:	May 1 35.0 /A 30" spacing
HARVESTED - STAND:	Nov 6 31.3 /A

TEST COMMENTS:

Soil conditions were very good at planting though there were 40+ mph winds which made it a challenge. Plants emerged well but drought conditions stressed this plot. Sandy soils dried out in spot locations which made variability higher. There were multiple shapes and sizes of ears with some pollination problems. The plot was almost 14 1/2 inches below normal for rainfall for the year. Jim is dealing with low yields and variability in all his fields. This plot location has been used in past years and has performed very well. One replicate in the full-season test was dropped because of sandy soil causing yield variability.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank	
Hefty	H5952 ↗	VT2P	109	252.9	15.0	1	31.9	1234	1	
Wyffels	W5406 ↗	VT2P	108	249.8	15.5	1	33.3	1215	2	
Midwest Genetics	EX0937 PCE GC ↗	PCE	109	244.9	14.6	1	31.9	1195	3	
Midwest Genetics	08-06VT2PRIB GC ↗	VT2P	108	238.1	14.4	1	30.9	1162	4	
Integra	5802 VT2PRIB ↗	VT2P	108	237.8	14.5	1	31.9	1160	5	
Titan Pro	39-08 PCE ↗	PCE	108	233.0	14.7	1	31.9	1137	6	
Kruger	K0957SP ↗	STXP	109	230.4	14.4	1	32.9	1124	7	
Renk	RK703PWE ↗	PCE	106	227.9	14.6	1	30.9	1112	8	
LG Seeds	LG58C48VT2PRIB ↗	VT2P	108	227.0	14.1	1	31.9	1108	9	
Renk	RK773TRE ↗	TRE	109	226.7	14.6	1	31.9	1106	10	
Pioneer	P1027AM GC ↗	AM	110	226.5	14.9	1	29.0	1105	11	
Wyffels	W6215 ↗	TRE	109	225.2	14.4	1	30.9	1099	12	
NuTech	70B4AM ↗	AM	110	224.1	14.9	1	30.9	1094	14	
Cornelius	C7021DP ↗	VT2P	110	220.5	14.8	1	30.0	1076	15	
Hefty	H5862 ↗	VT2P	108	218.0	14.5	1	30.9	1064	16	
Kruger	K0915DD ↗	VT2PDG	109	214.4	14.6	2	31.9	1046	17	
Cornelius	C6847TRE ↗	TRE	108	213.7	14.6	1	31.9	1043	18	
FS InVision	FS 5725X RIB ↗	STX	107	212.3	14.4	1	30.0	1036	19	
Integra	6061 STXRIB ↗	STX	110	212.1	14.8	1	31.9	1035	20	
Cornelius	C6578PC ↗	PCE	105	211.0	14.6	1	29.0	1029	21	
Epley	E1512SS ↗	STX	105	210.8	14.2	1	29.0	1029	22	
Kruger	K0858DP ↗	VT2P	108	208.9	14.0	1	31.9	1019	23	
NuTech	66D1AM ↗	AM	106	208.0	14.6	1	30.9	1015	24	
Titan Pro	37-06 PCE ↗	PCE	106	207.5	14.4	1	32.9	1013	25	
Wyffels	W5019 ↗	STXP	107	207.5	14.4	1	30.9	1013	26	
Wyffels	W5086RIB ↗	VT2P	107	205.6	14.4	1	31.9	1003	27	
NuTech	70F6Q ↗	QR	110	205.0	14.4	4	33.8	1000	28	
FS InVision	FS 6017V RIB ↗	VT2P	110	203.1	14.7	1	29.0	991	29	
NuTech	68A9AM ↗	AM	108	201.5	14.4	1	30.9	983	30	
Renk	RK720TRE ↗	TRE	106	200.9	14.4	1	30.0	980	31	
DEKALB	DKC111-35RIB CK	VT2P	111	225.0	14.9	1	32.9	1098	13	
				Averages =	208.7	14.5	1	31.3	1023	
				LSD (0.10) =	16.8	ns	ns			
				LSD (0.25) =	8.8	ns	ns			
				C.V. =	7.6					
										Historic yield: 207.23 bu/a, 20 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: 11/06/2023

† 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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Iowa East Central [IAEC] CENTRAL CITY, IA
Jim Greif, Linn County, IA 52310

Full-Season Test	111 - 115 Day CRM B2023IAEC11b
Top 30 of 45	For Gross Income (Sorted by Yield) Average of (2) Replications
PREV. CROP/HERB:	Soybeans / Anthem Maxx, Liberty, Volunteer, Princep li
SOIL DESCRIPTION:	Clyde-Floyd silty clay loam, well drained, non-irrigated
SOIL CONDITION:	No-Till, very high P, very high K, 5.5 pH, 3.9% OM, 18.0 CEC
PEST MANAGEMENT:	Buccaneer Plus, Atrazine, Outlook, Amerzon, Buccaneer 5
FERTILITY - Applied N:	167 Spring, 8 Planter
Applied N-P-K (units):	175-79-76
SEEDED - RATE - ROW:	May 1 35.0 /A 30" spacing
HARVESTED - STAND:	Nov 6 30.9 /A

TEST COMMENTS:

Soil conditions were very good at planting though there were 40+ mph winds which made it a challenge. Plants emerged well but drought conditions stressed this plot. Sandy soils dried out in spot locations which made variability higher. There were multiple shapes and sizes of ears with some pollination problems. The plot was almost 14 1/2 inches below normal for rainfall for the year. Jim is dealing with low yields and variability in all his fields. This plot location has been used in past years and has performed very well. One replicate in the full-season test was dropped because of sandy soil causing yield variability.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
NuTech	72A5Q ↗	QR	112	257.9	15.6	1	31.9	1252	1
Epley	E2109PWE ↗	PCE	111	256.0	15.7	1	31.9	1243	2
Kruger	K1562DT ↗	TRE	115	254.5	16.4	1	29.0	1228	3
FS InVision	FS 6395VDG RIB ↗	VT2PDG	113	247.2	16.3	1	31.9	1193	4
Integra	6588 VT2PRIB ↗	VT2P	115	241.3	16.5	1	30.5	1163	5
FS InVision	FS 6217X RIB ↗	STX	112	238.6	15.7	1	31.9	1158	6
Cornelius	C7366DGDP ↗	VT2PDG	113	238.0	15.8	1	31.9	1154	7
NuTech	73A6Q ↗	QR	113	236.3	15.8	1	31.9	1145	8
Wyffels	W7048 ↗	STX	111	232.5	15.5	1	29.0	1130	9
Renk	RK811PWE ↗	PCE	111	232.1	15.8	1	29.0	1126	10
Cornelius	C7202SSP ↗	STXP	112	231.4	15.6	1	31.9	1123	11
Integra	6493 VT2PRIB ↗	VT2P	114	229.3	16.9	1	29.0	1102	13
NuTech	73A4AM ↗	AM	113	227.8	15.6	1	30.5	1106	12
NuTech	71A2AM ↗	AM	111	226.4	15.5	1	30.5	1100	14
Kruger	K1364DT ↗	TRE	113	226.1	15.6	1	30.5	1098	15
Titan Pro	28-14 PCE ↗	PCE	114	224.9	15.8	1	31.9	1091	16
Wyffels	W7759 ↗	STXP	113	224.9	15.7	1	31.9	1091	17
Kruger	K1460DT ↗	TRE	114	221.5	15.6	1	31.9	1075	19
Cornelius	C7235PC ↗	PCE	112	220.4	15.5	1	31.9	1072	20
Wyffels	W6886 ↗	VT2P	111	220.1	16.2	1	30.5	1064	23
ProHarvest	83P33 DGVT2PRIB ↗	VT2PDG	113	219.8	15.2	1	30.5	1071	21
Hefty	H6244 ↗	STX	112	219.6	15.4	1	30.5	1069	22
Renk	RK915VT2P ↗	VT2P	115	218.6	15.9	1	31.9	1059	24
ProHarvest	83P66 VT2P ↗	VT2P	113	217.0	16.7	1	31.9	1044	26
Pioneer	P13050AM GC ↗	AM	113	216.4	15.5	1	30.5	1052	25
Integra	6244 PWE ↗	PCE	112	214.0	14.9	1	31.9	1044	27
Golden Harvest	G15J91-V ↗	V	115	213.1	17.4	3	31.9	1020	30
Wyffels	W7945RIB ↗	TRE	114	213.0	15.3	1	29.0	1037	28
ProHarvest	84P78 TRERIB ↗	TRE	114	211.1	15.1	1	31.9	1030	29
Renk	RK895DGVT2P ↗	VT2PDG	113	209.4	15.2	3	29.0	1020	31
DEKALB	DKC111-35RIB CK	VT2P	111	221.6	15.4	1	30.5	1078	18
				Averages =	217.1	15.7	1	30.9	1053
				LSD (0.10) =	21.5	0.7	ns		
				LSD (0.25) =	11.3	0.4	ns		
				C.V. =	7.6				
				Historic yield: 207.23 bu/a, 20 yr(s)					



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

Report Date: 11/06/2023

† 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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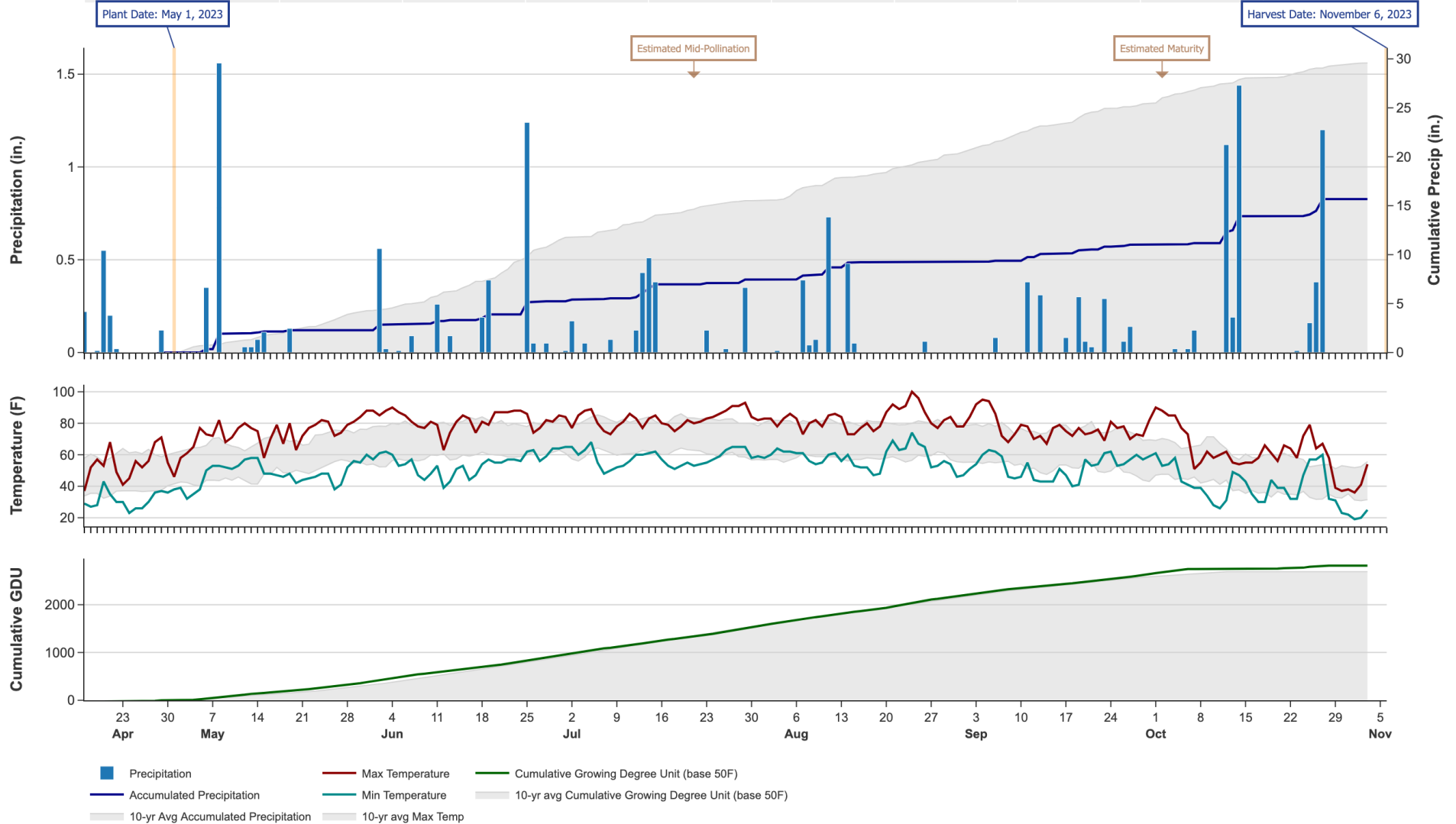
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2023 Corn - Iowa East Central [IAEC]

Weather Conditions Summary at CENTRAL CITY, IA

Weather Data Retrieved: 11/06/2023

Monthly Total	Apr*	May	Jun	Jul	Aug	Sep	Oct	Nov*	Total
Precip (in) (Diff)	1.1 1.6 (-0.5)	2.3 4.5 (-2.2)	3.0 7.2 (-4.3)	2.2 4.0 (-1.8)	1.8 4.8 (-2.9)	1.7 5.2 (-3.4)	4.7 4.0 (+0.6)	0.0 0.1 (-0.1)	16.8 31.4 (-14.6)
GDU Avg (Diff)	28 18 (+9)	380 317 (+62)	558 581 (-23)	620 662 (-42)	620 598 (+21)	461 430 (+30)	180 105 (+74)	0 0 (0)	2847 2714 (+132)



* 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 CK	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 GC	VT2P	Y	108	AC, PV
Midwest Genetics	EX0937 PCE GC	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 GC	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 CK	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 GC	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

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

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*

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.