

Test by: F.I.R.S.T. AMC Inc. Mount Carroll, IL

2023 Corn Grain Top 30 Harvest Report

Illinois East Central [ILEC] PENFIELD, IL
Jeff & Evan Suits, Champaign County, IL

Early-Season Test	105 - 111 Day CRM B2023ILEC20a
Top 30 of 45	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Soybeans / Ledger, Roundup Powermax, Liberty
SOIL DESCRIPTION:	Elliott, Ashkum, Clare silty clay loam, mod. well drained, non- irrigated
SOIL CONDITION:	Conventional W/ Fall Till, very high P, very high K, 5.0 pH, 4.0% OM, 28.8 CEC
PEST MANAGEMENT:	Volley Atz, Laudis, Atrazine, Roundup, Force 3g, Veltyma
FERTILITY - Applied N:	200 Fall, 35 Spring
Applied N-P-K (units):	235-200-200
SEEDED - RATE - ROW:	May 4 37.5 /A 30" spacing
HARVESTED - STAND:	Oct 24 35.4 /A

TEST COMMENTS:

This location was planted in a very nice uniform field. At planting time, things were starting to get dry but we did have enough moisture for emergence. Almost 50 days after emergence passed before this location had rain, making for a very slow-growing plot. Timely showers in July and August really helped during pollination and the development of ears. Most plants were able to fill all the way to the tip with fairly girthy cobs. Plant height was on the shorter side of things, especially in the early-season hybrids. Quite a bit of grey leaf spot was seen across the field. With all things considered during the season, this plot performed very well and is a very good example of what this area of Illinois under good growing practices can produce.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Burrus	POWER PLUS 5J21AM ↗	AM	110	279.2	13.7	1	33.9	1284	1
Wyffels	W7048 ↗	STX	111	275.0	15.2	1	33.5	1263	2
Integra	6061 STXRIB ↗	STX	110	272.8	14.6	1	35.7	1255	3
NuTech	70F6Q ↗	QR	110	270.8	13.9	1	35.7	1246	4
Sun Prairie	SP2562 ↗	TRE	109	267.6	13.4	1	34.8	1231	5
Purple Ribbon	23A08 ↗	VT2P	108	267.1	14.5	1	35.7	1229	6
Great Heart	HT-7044VT2P ↗	VT2P	110	266.1	13.7	1	35.7	1224	7
LG Seeds	LG58C48VT2PRIB ↗	VT2P	108	260.4	13.5	1	35.7	1198	8
Purple Ribbon	24A09 ↗	VT2P	109	259.7	13.0	1	34.8	1195	9
FS InVision	FS 5935X RIB ↗	STX	109	257.2	14.2	1	36.6	1183	10
Integra	5802 VT2PRIB ↗	VT2P	108	256.5	13.0	1	35.7	1180	11
NK Brand	NK1040-AA ↗	AA	110	256.2	13.6	1	34.0	1179	12
Renk	RK766SSPRO ↗	STXP	109	255.3	13.1	1	36.6	1174	13
Wyffels	W5778RIB ↗	STX	109	255.0	13.3	1	35.7	1173	14
Golden Harvest	G10B61-AA ↗	AA	110	254.9	13.7	1	35.7	1173	15
Renk	RK773TRE ↗	TRE	109	252.9	13.5	1	34.8	1163	16
Wyffels	W6215 ↗	TRE	109	252.1	13.5	1	35.7	1160	17
Integra	CXINT108VT ↗	VT2P	108	251.8	12.5	1	35.7	1158	18
AgVenture	AV6010AM ↗	AM	110	251.7	14.4	1	36.6	1158	19
Burrus	POWER PLUS 5L44AM ↗	AM	110	251.6	15.2	1	36.6	1156	21
Wyffels	W5406 ↗	VT2P	108	251.5	13.9	1	35.7	1157	20
Renk	RK811PWE ↗	PCE	111	251.3	14.1	1	36.6	1156	22
Purple Ribbon	23A10 ↗	VT2P	110	250.9	14.8	1	33.9	1154	23
AgVenture	AV2208AM ↗	AM	108	250.8	13.2	1	34.8	1154	24
AgVenture	AV2411AM ↗	AM	111	248.7	14.1	1	34.8	1144	25
FS InVision	FS 6017V RIB ↗	VT2P	110	246.8	12.9	1	36.6	1135	26
NuTech	66C2Q ↗	QR	106	245.4	14.2	1	37.5	1129	27
DeKalb	DKC110-10RIB GC ↗	STX	110	244.9	13.5	1	33.9	1127	28
NuTech	68A9AM ↗	AM	108	244.7	13.0	1	34.8	1126	29
Wyffels	W6886 ↗	VT2P	111	243.4	14.1	1	35.7	1120	30
PIONEER	P1108Q CK	QR	111	241.8	14.9	1	34.8	1112	32
				Averages =	247.5	13.8	1	35.4	1139
				LSD (0.10) =	8.2	0.5	ns		
				LSD (0.25) =	4.3	0.3	ns		
Nathan Roux				C.V. =	3.1	Historic yield: 230.32 bu/a, 1 yr(s)			
nathan.g.roux@gmail.com, (815) 716-3794									

Yield & Income Factors: Base Moisture = 15.0% Shrink = 1.3 Drying = \$0.04 Prices: GMO = \$4.60

Report Date: 10/25/2023

† 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

Illinois East Central [ILEC] PENFIELD, IL
Jeff & Evan Suits, Champaign County, IL

Full-Season Test	112 - 116 Day CRM B2023ILEC20b
Top 30 of 54	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Soybeans / Ledger, Roundup Powermax, Liberty
SOIL DESCRIPTION:	Elliott, Ashkum, Clare silty clay loam, mod. well drained, non- irrigated
SOIL CONDITION:	Conventional W/ Fall Till, very high P, very high K, 5.0 pH, 4.0% OM, 28.8 CEC
PEST MANAGEMENT:	Volley Atz, Laudis, Atrazine, Roundup, Force 3g, Veltyma
FERTILITY - Applied N:	200 Fall, 35 Spring
Applied N-P-K (units):	235-200-200
SEEDED - RATE - ROW:	May 4 37.5 /A 30" spacing
HARVESTED - STAND:	Oct 24 35.9 /A

TEST COMMENTS:

This location was planted in a very nice uniform field. At planting time, things were starting to get dry but we did have enough moisture for emergence. Almost 50 days after emergence passed before this location had rain, making for a very slow-growing plot. Timely showers in July and August really helped during pollination and the development of ears. Most plants were able to fill all the way to the tip with fairly girthy cobs. Plant height was on the shorter side of things, especially in the early-season hybrids. Quite a bit of grey leaf spot was seen across the field. With all things considered during the season, this plot performed very well and is a very good example of what this area of Illinois under good growing practices can produce.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Great Heart	HT-7500TRE ↗	TRE	115	306.2	17.6	1	35.7	1377	1
Wyffels	W8108 ↗	STX	114	295.6	16.5	1	37.5	1342	2
Sun Prairie	SP2789 ↗	VT2P	113	287.8	15.5	1	36.6	1318	4
LG Seeds	LG63C82VTDG ↗	VT2PDG	113	287.4	15.0	1	34.8	1322	3
Wyffels	W7945RIB ↗	TRE	114	286.1	16.2	1	36.6	1302	6
Integra	6274 VT2PRIB ↗	VT2P	112	284.5	14.8	1	35.7	1309	5
NuTech	75C1AM ↗	AM	115	283.7	16.8	1	33.1	1285	9
FS InVision	FS 6432P RIB ↗	STXP	114	282.2	15.4	1	36.6	1294	7
Wyffels	W7876RIB ↗	VT2P	114	281.0	15.4	1	36.6	1288	8
ProHarvest	83P66 VT2P ↗	VT2P	113	281.0	16.8	1	34.8	1273	12
ProHarvest	84P78 TRERIB ↗	TRE	114	279.6	16.4	1	34.8	1271	13
Stone	6542RIB ↗	VT2P	115	278.4	15.4	1	37.5	1277	10
NuTech	73A6Q ↗	QR	113	277.8	15.3	1	35.7	1274	11
FS InVision	FS 6595V RIB ↗	VT2P	115	277.6	16.4	1	34.0	1261	14
AgVenture	AV2816AM ↗	AM	116	277.0	16.8	1	35.7	1254	16
LG Seeds	LG66C06VT2RIB ↗	VT2P	116	274.3	16.0	1	35.7	1251	18
DeKalb	DKC65-95RIB GC ↗	VT2P	115	273.9	15.8	1	36.6	1251	19
Great Heart	HT-7256DGV2P ↗	VT2PDG	112	273.8	14.6	1	37.5	1259	15
ProHarvest	8360 VT2PRIB ↗	VT2P	113	273.4	15.5	1	35.7	1252	17
Renk	RK876VT2P ↗	VT2P	113	273.1	17.1	1	36.6	1234	24
Wyffels	W8086 ↗	VT2P	114	272.8	15.6	1	36.6	1248	20
Stone	1504TRE ↗	TRE	115	272.0	16.1	1	36.6	1239	22
Pioneer	P1278Q GC ↗	QR	112	271.6	15.7	1	35.7	1242	21
Renk	RK915VT2P ↗	VT2P	115	271.1	15.8	1	35.7	1238	23
Great Heart	HT-7317VT2P ↗	VT2P	113	270.9	16.5	1	34.8	1230	26
Burrus	7P71 VT2P ↗	VT2P	115	269.1	15.7	1	35.7	1230	27
Stone	1304TRE ↗	TRE	113	268.3	14.4	1	36.6	1234	25
DeKalb	DKC64-64RIB GC ↗	STX	114	267.5	15.4	1	36.6	1226	30
Purple Ribbon	23A12 ↗	VT2PDG	112	267.4	15.1	1	36.6	1229	29
Integra	6493 VT2PRIB ↗	VT2P	114	267.4	15.0	1	36.6	1230	28
PIONEER	P1108Q CK	QR	111	242.6	16.5	1	36.6	1101	52
				Averages =	267.0	15.9	1	35.9	1218
				LSD (0.10) =	9.7	0.7	ns		
				LSD (0.25) =	5.1	0.4	ns		
				C.V. =	3.5	Historic yield: 230.32 bu/a, 1 yr(s)			

Yield & Income Factors: Base Moisture = 15.0% Shrink = 1.3 Drying = \$0.04 Prices: GMO = \$4.60

Report Date: 10/25/2023

† 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

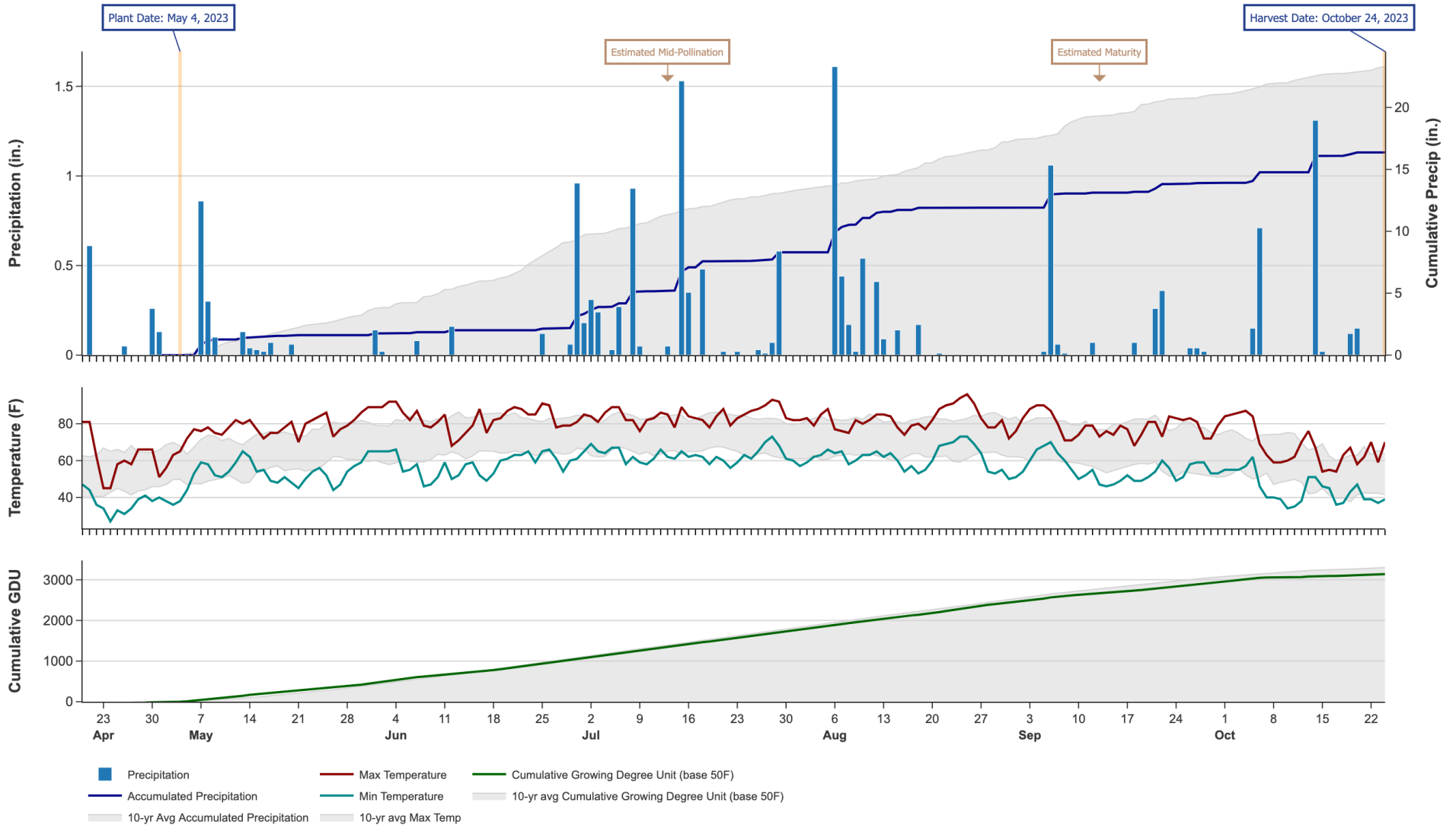
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2023 Corn - Illinois East Central [ILEC]

Weather Conditions Summary at PENFIELD, IL

Monthly Total	Apr*	May	Jun	Jul	Aug	Sep	Oct*	Total
Precip (in) (Diff)	0.9 1.6 (-0.7)	1.7 4.3 (-2.6)	1.5 5.7 (-4.2)	5.2 4.0 (+1.2)	3.6 4.0 (-0.4)	2.0 3.8 (-1.8)	2.5 2.2 (+0.2)	17.4 25.6 (-8.2)
GDU Avg (Diff)	55 80 (-25)	458 433 (+24)	604 685 (-81)	720 740 (-20)	664 696 (-32)	505 549 (-44)	202 231 (-29)	3208 3417 (-209)



* 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 - Illinois East Central [ILEC]

Early-Season Test Products (45 Total)

Company/Brand	Product/Brand	Technology	RIB	RM	Seed Treat.
AgVenture	AV2208AM	AM	Y	108	Lum, L1
AgVenture	AV2411AM	AM	Y	111	Lum, L1
AgVenture	AV6010AM	AM	Y	110	Treated
AgVenture	AV9610AM	AM	Y	110	Lum, L1
Augusta	A1958-DV	DV	N	108	CM,C2
Burrus	POWER PLUS 5J21AM	AM	Y	110	Lum, L1
Burrus	POWER PLUS 5L44AM	AM	Y	110	BPS
DeKalb	DKC110-10RIB GC	STX	Y	110	AC,P5V,EDC-EL
DeKalb	DKC59-82RIB GC	VT2P	Y	109	AC,P5V,EDC-EL
Dyna-Gro	D50VC09RIB	VT2P	Y*	110	AC,P5V
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
FS InVision	FS 6133VDG RIB	VT2PDG	Y	111	AC,P5V,EDC-EL
Golden Harvest	G10B61-AA	AA	Y	110	CM,C5,Va
Golden Harvest	G11V76-AA	AA	Y	111	CM,C5,Va
Great Heart	HT-7044VT2P	VT2P	Y	110	P5V
Integra	5802 VT2PRIB	VT2P	Y	108	AC,P5V,SU+Zn
Integra	6061 STXRIB	STX	Y	110	AC,P5V,SU+Zn
Integra	CXINT108VT	VT2P	Y	108	AC,P5V,SU+Zn,PT
LG Seeds	LG58C48VT2PRIB	VT2P	Y	108	AC,P5V
LG Seeds	LG61C34STXRIB	STXP	Y*	111	AC,P5V
NK Brand	NK1040-AA	AA	Y	110	CM,C5,Va
NK Brand	NK1188-AA	AA	Y	111	CM,C5,Va
NuTech	66C2Q	QR	Y	106	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	P1108Q CK	QR	Y	111	Lum, L1
Purple Ribbon	23A08	VT2P	Y	108	AC,P2
Purple Ribbon	23A10	VT2P	Y	110	AC,P2
Purple Ribbon	23A11 TRE	TRE	Y	111	AC,P2
Purple Ribbon	24A09	VT2P	Y	109	AC,P2
Renk	RK703PWE	PCE	N	106	Lum,P5V
Renk	RK707TRE	TRE	N	105	AC,P5V,B300
Renk	RK766SSPRO	STXP	N	109	AC,P5V,B300
Renk	RK773TRE	TRE	N	109	AC,P5V,B300
Renk	RK811PWE	PCE	N	111	Lum,P5V
Sun Prairie	SP2562	TRE	N	109	AC
Wyffels	W5406	VT2P	N	108	AC,P5
Wyffels	W5778RIB	STX	Y	109	CM,C2,Vi,Va

Company/Brand	Brand/Product	Technology	RIB	RM	Seed Treat.
Wyffels	W6215	TRE	N	109	CM,C2,Vi,Va
Wyffels	W6886	VT2P	N	111	AC,P5
Wyffels	W7048	STX	N	111	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.

2023 Corn - Illinois East Central [ILEC]

Full-Season Test Products (54 Total)

Company/Brand	Product/Brand	Technology	RIB	RM	Seed Treat.
AgVenture	AV2816AM	AM	Y	116	Lum, L1
AgVenture	AV3213AM	AM	Y	113	Lum, L1
AgVenture	AV7913AM	AM	Y	113	Lum, L1
Brevant	B14H38AM GC	AM	Y	114	Lum, L1
Burrus	7F33 VT2P	VT2P	Y	114	Lum, L1-2023
Burrus	7P71 VT2P	VT2P	Y	115	AC,P5V,EDC-B
DeKalb	DKC64-64RIB GC	STX	Y	114	AC,P5V,EDC-EL
DeKalb	DKC65-95RIB GC	VT2P	Y	115	AC,P5V,EDC-EL
DeKalb	DKC66-18RIB GC	VT2P	Y	116	AC,P5V,EDC-EL
FS InVision	FS 6217X RIB	STX	Y	112	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
FS InVision	FS 6625V RIB	VT2P	Y	116	AC,P5V,EDC-EL
FS InVision	FS 6627T RIB	TRE	Y	116	AC,P5V,EDC-EL
Golden Harvest	G14B32-DV	DV	Y	114	AVC,C1,Va
Golden Harvest	G15J91-V	V	Y	115	CM,C5,Va
Great Heart	HT-7256DGV2P	VT2PDG	Y	112	P5V
Great Heart	HT-7317VT2P	VT2P	N	113	P5V
Great Heart	HT-7329PCE	PCE	N	113	P5V
Great Heart	HT-7499TRE	TRE	Y	114	P5V
Great Heart	HT-7500TRE	TRE	N	115	P5V
Integra	6244 PWE	PCE	N	112	AC,P5V
Integra	6274 VT2PRIB	VT2P	Y	112	AC,P5V
Integra	6493 VT2PRIB	VT2P	Y*	114	AC,P5V,SU+Zn
LG Seeds	LG63C82VTDG	VT2PDG	Y*	113	AC,P5V
LG Seeds	LG66C06VT2RIB	VT2P	Y*	116	AC,P5V
NK Brand	NK1333-AA	AA	Y	113	CM,C5,Va
NK Brand	NK1480-DV	DV	Y	114	AVC,C1,Va
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
NuTech	75C1AM	AM	Y	115	Lum, L1
Pioneer	P1108Q CK	QR	Y	111	Lum, L1
Pioneer	P1278Q GC	QR	Y	112	Lum, L1
ProHarvest	8360 VT2PRIB	VT2P	Y*	113	AC,P5V,Va
ProHarvest	83P66 VT2P	VT2P	N	113	AC,P5V,Va
ProHarvest	84P78 TRERIB	TRE	Y	114	AC,P5V,Va
Purple Ribbon	23A12	VT2PDG	Y	112	AC,P2
Renk	RK876VT2P	VT2P	N	113	AC,P5V,B300
Renk	RK895DGV2P	VT2PDG	N	113	AC,P2
Renk	RK907SSTX	STX	N	115	AC,P5V

Company/Brand	Brand/Product	Technology	RIB	RM	Seed Treat.
Renk	RK915VT2P	VT2P	N	115	AC,P2
Renk	RK958VT2P	VT2P	N	115	AC,P2
Stone	1304TRE	TRE	Y	113	AC,P5V
Stone	1504TRE	TRE	Y	115	AC,P5V
Stone	6542RIB	VT2P	Y	115	AC,P2,B360
Sun Prairie	SP2788	VT2P	N	113	AC
Sun Prairie	SP2789	VT2P	N	113	AC
Wyffels	W7759	STXP	N	113	AC,P5
Wyffels	W7876RIB	VT2P	Y	114	CM,C2,Vi,Va
Wyffels	W7945RIB	TRE	Y*	114	CM,C2,Vi,Va
Wyffels	W8086	VT2P	N	114	AC,P5
Wyffels	W8108	STX	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®

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

Corn Seed Treatments*

NA	Not Available
AC	Acceleron® unspecified
AC,P2	Acceleron® 250
AC,P2,B360	Acceleron® 250 with BioRise™ B-360 ST
AC,P5	Acceleron® 500
AC,P5V	Acceleron® Poncho 500/Votivo
AC,P5V,B300	Acceleron® Poncho 500/Votivo with B-300 SAT
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
AC,P5V,SU+Zn,PT	Acceleron® Poncho 500/Votivo, StepUp SP, StepUp Zn with PhycTerra® ST
AC,P5V,Va	Acceleron® Poncho 500/Votivo, Vayantis®
AVC,C1,Va	Avicta® Complete 1250 with Vayantis®
BPS	Burrus PowerShield
CM,C2	CruiserMaxx® 250
CM,C2,Vi,Va	CruiserMaxx® 250 with Vibrance, Vayantis®
CM,C5,Va	CruiserMaxx® 500 with Vayantis®
Lum, L1	LumiGEN, Lumisure 1250
Lum, L1-2023	LumiGEN 1250, Zeltera, Lumivia, Lumialza, Serifel®, Lumiflex, 2023
Lum,P5V	LumiGEN™ Poncho 500/Votivo
P5V	Poncho 500/Votivo
Treated	Treated seed, unspecified

* Seed treatments may include unspecified plant health promoting components.