

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

2023 Corn Grain Top 30 Harvest Report

Iowa West Central [IAWC] HARLAN, IA
David Reinig, Shelby County, IA 51529

Early-Season Test	105 - 110 Day CRM B2023IAWC21a
Top 30 of 36	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Soybeans / Fierce Mtz, Strut, Roundup Power Max, Warrant, Liberty, Resource, Clethodin
SOIL DESCRIPTION:	Marshall silty clay loam, well drained, non-irrigated
SOIL CONDITION:	No-Till, high P, very high K, 5.1 pH, 3.1% OM, 22.3 CEC
PEST MANAGEMENT:	Lumax, Clash, Acuron Gt, Atrazine
FERTILITY - Applied N:	160 Spring, 14 Foliar Rescue
Applied N-P-K (units):	174-65-75
SEEDED - RATE - ROW:	May 5 35.0 /A 30" spacing
HARVESTED - STAND:	Oct 24 33.1 /A

TEST COMMENTS:

Planting went very well at this site. This location was on a nice ridge top with a slight slope to the south. Plants emerged very well on a very uniform looking plot. Ears were large, having good girth, and were well pollinated. There was tar spot in the plot, and stalks were standing well, but did show signs of weakness. Sturdy cobs made shelling easy. The plot performed well but Dave said that the whole field averages would be down 10 to 20% due to drought on the tougher soils. The plot received one good rain fall during the growing season but still was close to 7 inches below normal.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Brevant	B10Y21Q GC ↗	QR	110	275.0	15.6	1	32.9	1357	2
FS InVision	FS 5835V RIB ↗	VT2P	108	274.8	15.2	1	32.9	1360	1
Kruger	K0915DD ↗	VT2PDG	109	272.7	14.7	1	33.8	1353	3
Integra	CXINT108VT ↗	VT2P	108	271.6	14.9	1	33.8	1347	4
Midwest Genetics	08-06VT2PRIB GC ↗	VT2P	108	269.0	15.9	1	33.8	1325	5
Golden Harvest	G10B61-AA ↗	AA	110	267.3	15.8	1	32.9	1317	6
Kruger	K0957SP ↗	STXP	109	264.6	14.8	1	32.9	1312	7
Renk	RK773TRE ↗	TRE	109	264.0	14.7	1	32.9	1309	8
Integra	5802 VT2PRIB ↗	VT2P	108	261.4	14.9	1	31.9	1297	9
Wyffels	W5019 ↗	STXP	107	261.3	15.1	1	32.9	1295	10
Brevant	B05C33Q GC ↗	QR	105	261.1	15.1	1	31.9	1294	11
Hefty	H5655 ↗	TRE	106	259.1	15.9	1	32.9	1275	14
Kruger	K0783DP ↗	VT2P	107	259.1	14.7	1	33.8	1285	12
Integra	6061 STXRIB ↗	STX	110	258.6	16.2	1	32.9	1271	16
FS InVision	FS 5525VDG RIB ↗	VT2PDG	105	257.5	14.7	1	32.9	1277	13
FS InVision	FS 6025X RIB ↗	STX	110	257.4	15.3	1	31.9	1273	15
Hefty	H5952 ↗	VT2P	109	256.9	16.3	1	33.8	1261	18
Channel	209-89STXRIB GC ↗	STX	109	256.8	16.1	1	32.9	1263	17
Wyffels	W5406 ↗	VT2P	108	255.4	15.8	1	33.8	1259	20
Kruger	K0858DP ↗	VT2P	108	254.1	14.6	1	33.8	1260	19
LG Seeds	LG58C48VT2PRIB ↗	VT2P	108	253.7	15.9	1	33.8	1249	21
FS InVision	FS 5935X RIB ↗	STX	109	250.8	15.8	1	34.8	1236	24
Wyffels	W5086RIB ↗	VT2P	107	250.1	14.8	1	31.9	1240	22
Renk	RK707TRE ↗	TRE	105	248.8	15.2	1	32.9	1232	25
Hoegemeyer	7858AM ↗	AM	108	248.5	15.1	1	32.9	1232	26
Hoegemeyer	7843AM ↗	AM	108	246.9	14.9	1	33.8	1225	27
Channel	206-16SSPRIB GC ↗	STXP	106	246.6	15.4	1	32.9	1219	28
Renk	RK703PWE ↗	PCE	106	246.5	15.6	1	32.9	1217	29
Brevant	B08R32AM GC ↗	AM	108	245.0	15.4	1	32.9	1212	30
Renk	RK720TRE ↗	TRE	106	244.3	14.6	1	32.9	1212	31
DEKALB	DKC111-35RIB CK	VT2P	111	250.6	15.6	1	31.9	1237	23
				Averages =	254.9	15.3	1	33.1	1260
				LSD (0.10) =	6.7	0.6	ns		
				LSD (0.25) =	3.5	0.3	ns		
				C.V. =	2.5				



Randy Meinsma

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Historic yield: new site

Yield & Income Factors: Base Moisture = 15.0% Shrink = 1.3 Drying = \$0.04 Prices: GMO = \$4.96

Report Date: 10/24/2023

Revised: 10/25/2023 Corrected the location name to 'Harlan', no data changes.

Additional reports available at www.firstseedtests.com

† 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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Full-Season Test	111 - 115 Day CRM B2023IAWC21b
Top 30 of 36	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Soybeans / Fierce Mtz, Strut, Roundup Power Max, Warrant, Liberty, Resource, Clethodin
SOIL DESCRIPTION:	Marshall silty clay loam, well drained, non-irrigated
SOIL CONDITION:	No-Till, high P, very high K, 5.1 pH, 3.1% OM, 22.3 CEC
PEST MANAGEMENT:	Lumax, Clash, Acuron Gt, Atrazine
FERTILITY - Applied N:	160 Spring, 14 Foliar Rescue
Applied N-P-K (units):	174-65-75
SEDED - RATE - ROW:	May 5 35.0 /A 30" spacing
HARVESTED - STAND:	Oct 24 33.2 /A

TEST COMMENTS:

Planting went very well at this site. This location was on a nice ridge top with a slight slope to the south. Plants emerged very well on a very uniform looking plot. Ears were large, having good girth, and were well pollinated. There was tar spot in the plot, and stalks were standing well, but did show signs of weakness. Sturdy cobs made shelling easy. The plot performed well but Dave said that the whole field averages would be down 10 to 20% due to drought on the tougher soils. The plot received one good rain fall during the growing season but still was close to 7 inches below normal.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Renk	RK876VT2P ↗	VT2P	113	279.4	16.3	1	34.8	1371	1
FS InVision	FS 6432P RIB ↗	STXP	114	275.5	16.4	1	33.8	1351	2
Dyna-Gro	D53VC54RIB ↗	VT2P	113	275.1	16.9	1	33.8	1343	3
Wyffels	W6886 ↗	VT2P	111	274.4	17.0	1	32.9	1339	4
Kruger	K1139SS ↗	STX	111	270.2	16.8	1	31.9	1321	5
Kruger	K1364DT ↗	TRE	113	267.0	16.4	1	32.9	1309	6
Renk	RK958VT2P ↗	VT2P	115	266.5	16.3	1	32.9	1308	7
Wyffels	W7759 ↗	STXP	113	266.4	16.4	1	33.8	1306	8
FS InVision	FS 6395VDG RIB ↗	VT2PDG	113	264.1	16.5	1	31.9	1294	9
Renk	RK811PWE ↗	PCE	111	263.5	16.8	1	34.8	1288	11
Wyffels	W7048 ↗	STX	111	263.1	16.5	1	33.8	1290	10
Hefty	H6355 ↗	TRE	113	261.1	17.1	1	31.9	1273	12
Integra	6588 VT2PRIB ↗	VT2P	115	259.8	17.0	1	32.9	1268	13
FS InVision	FS 6595V RIB ↗	VT2P	115	259.5	18.0	1	33.8	1256	17
Wyffels	W8086 ↗	VT2P	114	259.0	17.2	1	33.8	1262	14
Kruger	K1460DT ↗	TRE	114	257.5	17.0	1	32.9	1257	15
Hoegemeyer	8110AM ↗	AM	111	256.2	16.3	1	31.9	1257	16
Hoegemeyer	8576AM ↗	AM	115	255.5	16.6	1	33.8	1251	19
Integra	6342 TRERIB ↗	TRE	113	255.1	16.2	1	32.9	1253	18
FS InVision	FS 6306T RIB ↗	TRE	113	253.9	17.1	1	33.8	1238	24
Golden Harvest	G15J91-V ↗	V	115	253.0	16.5	1	32.9	1239	22
Hefty	H6263 ↗	VT2PDG	112	253.0	15.8	1	33.3	1247	20
Kruger	K1562DT ↗	TRE	115	252.1	16.2	1	33.8	1239	23
Hefty	H6244 ↗	STX	112	251.9	17.1	1	31.9	1229	25
Kruger	K1191DT ↗	TRE	111	251.7	15.5	1	32.9	1243	21
Integra	6493 VT2PRIB ↗	VT2P	114	250.8	16.6	1	33.8	1228	26
Dyna-Gro	D53TC23RIB ↗	TRE	113	249.1	16.5	1	32.9	1221	27
Hoegemeyer	8125AM ↗	AM	111	248.7	16.4	1	33.8	1220	28
Epley	E2215SS ↗	STX	112	247.1	16.9	1	32.9	1207	30
Golden Harvest	G13B17-AA ↗	AA	113	246.9	16.4	1	31.9	1211	29
DEKALB	DKC111-35RIB CK	VT2P	111	241.9	15.9	1	33.8	1191	33
				Averages =	256.6	16.6	1	33.2	1256
				LSD (0.10) =	8.2	0.6	ns		
				LSD (0.25) =	4.3	0.3	ns		
				C.V. =	3.0				



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Historic yield: new site

Yield & Income Factors: Base Moisture = 15.0% Shrink = 1.3 Drying = \$0.04 Prices: GMO = \$4.96

Report Date: 10/24/2023

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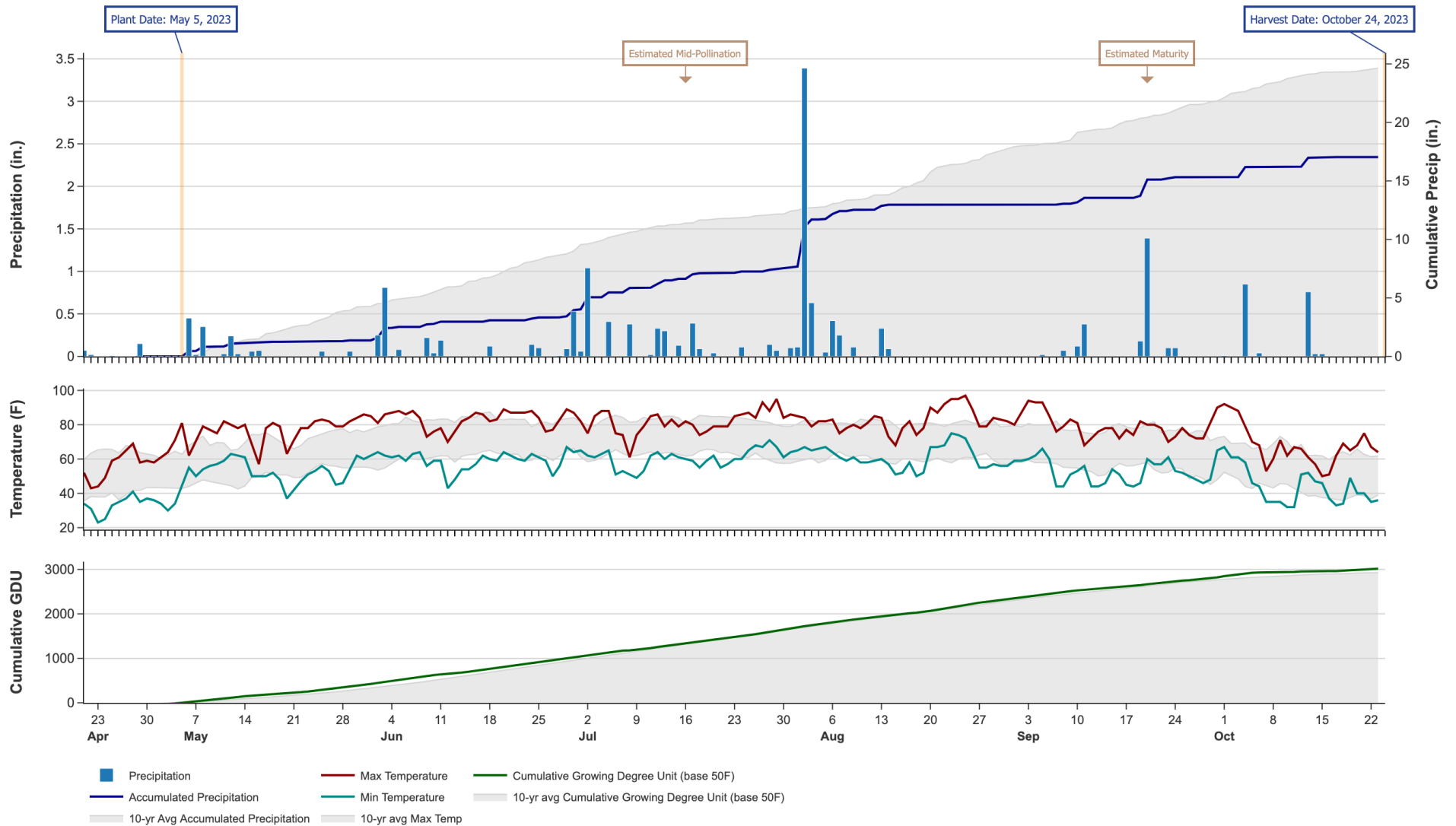
† See last page for abbreviation descriptions. Dark colored row identifies the check product found in early- and full-season tests. **Bold** yields are significantly above test average by LSD(0.10). **Italicized** brands exceed the grain moisture limit for this test. **ns** = column values not significantly different. ↗ Links to full product yield results at www.firstseedtests.com

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2023 Corn - Iowa West Central [IAWC]

Weather Conditions Summary at HARLAN, IA

Monthly Total	Apr*	May	Jun	Jul	Aug	Sep	Oct*	Total
Precip (in) (Diff)	0.2 1.3 (-1.1)	1.4 5.4 (-4.0)	2.6 4.7 (-2.2)	3.6 3.4 (+0.2)	5.4 5.3 (+0.1)	2.4 4.2 (-1.8)	1.7 2.8 (-1.1)	17.3 27.0 (-9.7)
GDU Avg (Diff)	17 60 (-43)	427 340 (+86)	630 649 (-19)	640 695 (-55)	657 634 (+22)	492 480 (+11)	194 159 (+34)	3057 3020 (+36)



* 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 West Central [IAWC]

Early-Season Test Products (36 Total)

Company/Brand	Product/Brand	Technology	RIB	RM	Seed Treat.
Brevant	B05C33Q GC	QR	Y	105	Lum, L1
Brevant	B08R32AM GC	AM	Y	108	Lum, L1
Brevant	B10Y21Q GC	QR	Y	110	Lum, L1
Channel	206-16SSPRIB GC	STXP	Y	106	AC,P5V,EDC-B
Channel	209-89STXRIB GC	STX	Y	109	AC,P5V,EDC-B
DeKalb	DKC111-35RIB CK	VT2P	Y*	111	AC,P5V,EDC-EL
FS InVision	FS 5525VDG RIB	VT2PDG	Y	105	AC,P5V,EDC-EL
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 6025X RIB	STX	Y	110	AC,P5V,EDC-EL
Golden Harvest	G07G73-D	D	Y	107	AVC,C2,Vi,Va
Golden Harvest	G10B61-AA	AA	Y	110	CM,C5,Va
Hefty	H5655	TRE	N	106	HC
Hefty	H5862	VT2P	N	108	HC
Hefty	H5952	VT2P	N	109	HC
Hoegemeyer	7843AM	AM	Y	108	Lum, L1
Hoegemeyer	7858AM	AM	Y	108	Lum, L1
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
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
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
Wyffels	W5019	STXP	N	107	AC,P5
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 West Central [IAWC]

Full-Season Test Products (36 Total)

Company/Brand	Product/Brand	Technology	RIB	RM	Seed Treat.
DeKalb	DKC111-35RIB CK	VT2P	Y*	111	AC,P5V,EDC-EL
Dyna-Gro	D53TC23RIB	TRE	Y	113	AC,P5V
Dyna-Gro	D53VC54RIB	VT2P	Y	113	AC,P5V
Epley	E2215SS	STX	N	112	Vi5
FS InVision	FS 6217T RIB	TRE	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	G13B17-AA	AA	Y	113	CM,C5,Va
Golden Harvest	G15J91-V	V	Y	115	CM,C5,Va
Hefty	H6244	STX	N	112	HC
Hefty	H6263	VT2PDG	N	112	HC
Hefty	H6355	TRE	N	113	HC
Hoegemeyer	8110AM	AM	Y	111	Lum, L1
Hoegemeyer	8125AM	AM	Y	111	Lum, L1
Hoegemeyer	8454Q	QR	Y	114	Lum, L1
Hoegemeyer	8576AM	AM	Y	115	Lum, L1
Integra	6342 TRERIB	TRE	Y	113	AC,P5V,SU+Zn
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	LG62C22VT2RIB	VT2P	Y	112	AC, PV
Renk	RK811PWE	PCE	N	111	Lum,P5V
Renk	RK876VT2P	VT2P	N	113	AC,P5V,B300
Renk	RK895DGV2P	VT2PDG	N	113	AC,P2
Renk	RK958VT2P	VT2P	N	115	AC,P2
Wyffels	W6886	VT2P	N	111	AC,P5
Wyffels	W7048	STX	N	111	AC,P5
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®
D	Duracade™ (CB,HX,RW,RW2,LL,GT), formerly Agrisure Duracade® 5122
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,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-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 PhycoTerra® ST
AC, PV	Acceleron Unspecified, Poncho, Votivo
AVC,C2,Vi,Va	Avicta® Complete 250, 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.