

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

2023 Corn Grain Top 30 Harvest Report

Iowa South [IASO] CLARINDA, IA
Mike & Ben Vardaman, Taylor County, IA 51632

Early-Season Test	106 - 111 Day CRM B2023IASO31a
Top 30 of 42	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Soybeans / NA
SOIL DESCRIPTION:	Macksburg silty clay loam, well drained, non-irrigated
SOIL CONDITION:	No-Till, high P, very high K, 6.2 pH, 4.3% OM, 19.9 CEC
PEST MANAGEMENT:	Tbd
FERTILITY - Applied N:	177 Fall, 3900 gal Manure
Applied N-P-K (units):	177-65-110
SEEDED - RATE - ROW:	Apr 27 35.0 /A 30" spacing
HARVESTED - STAND:	Oct 28 32.6 /A

TEST COMMENTS:

The plot was planted in very good conditions and emerged strong. Just after stand counts about June 30, the plot was hit with strong winds and Ben said the field was flat. Just a few days later the plants curled up and started to stand straight. The plot was fortunate to pollinate very well and produced good ears. The lodging score represents the severity of goose necking. Ben said that after seeing the field after that wind, he did not think he would see this good of yields at harvest. The goose necking did not affect harvesting but some hybrids did show stress from the damage.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
NuTech	68A9AM ↗	AM	108	258.9	14.4	20	32.9	1263	1
Wyffels	W6886 ↗	VT2P	111	257.9	15.1	42	33.8	1257	2
FS InVision	FS 6137PC ↗	PCE	111	255.5	14.3	47	33.8	1247	3
Renk	RK766SSPRO ↗	STXP	109	250.9	14.0	31	32.9	1224	4
NuTech	68A7AM ↗	AM	108	250.0	14.4	35	32.9	1220	5
NK Brand	NK1040-AA ↗	AA	110	249.6	14.4	15	32.9	1218	6
NK Brand	NK1188-D ↗	D	111	248.6	14.8	40	31.9	1213	7
Titan Pro	31-10 PCE ↗	PCE	110	247.9	14.1	48	31.9	1210	9
Renk	RK773TRE ↗	TRE	109	247.5	14.0	17	32.9	1208	10
Kruger	K1191DT ↗	TRE	111	246.5	14.1	27	32.9	1203	11
Hoegemeyer	8125AM ↗	AM	111	246.2	14.5	25	31.9	1201	12
Renk	RK703PWE ↗	PCE	106	245.6	14.5	30	33.8	1199	13
Renk	RK811PWE ↗	PCE	111	244.4	14.4	32	32.9	1193	14
NuTech	70B4AM ↗	AM	110	244.0	14.5	44	33.8	1191	15
Integra	6061 STXRIB ↗	STX	110	243.6	14.8	51	31.9	1189	16
Kruger	K0915DD ↗	VT2PDG	109	243.3	14.3	46	31.9	1187	17
FS InVision	FS 6133VDG RIB ↗	VT2PDG	111	242.9	14.6	75	31.9	1185	18
NuTech	71A2AM ↗	AM	111	242.7	14.5	62	33.8	1184	19
Hoegemeyer	8110AM ↗	AM	111	241.9	14.7	27	31.9	1180	20
Pioneer	P1164AM GC ↗	AM	111	241.8	14.4	13	31.9	1180	21
NuTech	66D1AM ↗	AM	106	240.4	14.3	28	32.9	1173	22
Wyffels	W7048 ↗	STX	111	240.2	14.6	65	31.9	1172	23
Wyffels	W6215 ↗	TRE	109	239.7	14.3	31	33.8	1170	24
FS InVision	FS 6025X RIB ↗	STX	110	239.6	14.3	51	32.9	1169	25
Titan Pro	39-08 PCE ↗	PCE	108	237.8	14.3	57	31.9	1160	26
Pioneer	P1108Q GC ↗	QR	111	237.3	14.3	46	31.9	1158	27
Channel	210-46VT2PRIB GC ↗	VT2P	110	236.5	14.6	14	32.9	1154	28
Brevant	B10Y21Q GC ↗	QR	110	235.9	14.3	48	31.9	1151	29
Integra	CXINT108VT ↗	VT2P	108	235.7	14.1	81	32.9	1150	30
Golden Harvest	G11V76-AA ↗	AA	111	235.1	15.0	37	34.8	1147	31
DEKALB	DKC111-35RIB CK	VT2P	111	248.1	14.6	37	33.8	1211	8
				Averages =	239.1	14.4	45	32.6	1167
				LSD (0.10) =	7.4	0.3	21		
				LSD (0.25) =	3.9	0.2	11		
				C.V. =	2.9				
				Historic yield: 204.64 bu/a, 8 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: 11/03/2023

† 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 South [IASO] CLARINDA, IA
Mike & Ben Vardaman, Taylor County, IA 51632

Full-Season Test	112 - 116 Day CRM B2023IASO31b
Top 30 of 42	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Soybeans / NA
SOIL DESCRIPTION:	Macksburg silty clay loam, well drained, non-irrigated
SOIL CONDITION:	No-Till, high P, very high K, 6.2 pH, 4.3% OM, 19.9 CEC
PEST MANAGEMENT:	Tbd
FERTILITY - Applied N:	177 Fall, 3900 gal Manure
Applied N-P-K (units):	177-65-110
SEEDED - RATE - ROW:	Apr 27 35.0 /A 30" spacing
HARVESTED - STAND:	Oct 28 32.7 /A

TEST COMMENTS:

The plot was planted in very good conditions and emerged strong. Just after stand counts about June 30, the plot was hit with strong winds and Ben said the field was flat. Just a few days later the plants curled up and started to stand straight. The plot was fortunate to pollinate very well and produced good ears. The lodging score represents the severity of goose necking. Ben said that after seeing the field after that wind, he did not think he would see this good of yields at harvest. The goose necking did not affect harvesting but some hybrids did show stress from the damage.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
NuTech	75C1AM ↗	AM	115	279.2	15.2	25	31.9	1360	1
Wyffels	W8086 ↗	VT2P	114	262.6	15.2	45	32.9	1279	2
Integra	6588 VT2PRIB ↗	VT2P	115	262.3	15.2	18	32.9	1278	3
Wyffels	W8108 ↗	STX	114	259.7	15.1	18	32.9	1266	4
Taylor	6015 TRE ↗	TRE	115	257.9	15.3	45	32.9	1255	6
FS InVision	FS 6395VDG RIB ↗	VT2PDG	113	257.6	14.9	15	32.9	1257	5
Kruger	K1562DT ↗	TRE	115	256.1	15.2	11	31.9	1248	7
Channel	214-78DGVVT2PRIB GC ↗	VT2PDG	114	255.8	15.4	17	32.9	1245	8
FS InVision	FS 6595V RIB ↗	VT2P	115	252.8	15.5	20	33.8	1229	9
Hoegemeyer	8397Q ↗	QR	113	251.6	14.9	31	31.9	1228	10
Wyffels	W7945RIB ↗	TRE	114	248.4	14.7	29	32.9	1212	11
NuTech	74C4AM ↗	AM	114	247.8	14.9	38	33.8	1209	12
NuTech	73A6Q ↗	QR	113	246.1	14.7	41	31.9	1201	13
Brevant	B14H38AM GC ↗	AM	114	244.5	14.7	21	32.9	1193	14
Renk	RK876VT2P ↗	VT2P	113	244.4	14.7	54	32.9	1193	15
Golden Harvest	G16Q82-AA ↗	AA	116	244.1	15.0	46	32.9	1191	16
DeKalb	DKC65-95RIB GC ↗	VT2P	115	242.0	15.3	51	33.8	1178	17
NK Brand	NK1523-V ↗	V	115	241.0	14.9	28	32.9	1176	19
Renk	RK895DGVVT2P ↗	VT2PDG	113	238.1	14.8	70	33.8	1162	20
LG Seeds	LG64C43VT2 ↗	VT2P	114	237.1	14.8	46	31.9	1157	21
FS InVision	FS 6625V RIB ↗	VT2P	116	236.4	15.3	47	32.9	1151	22
NuTech	72D4AM ↗	AM	112	235.0	14.9	75	30.9	1147	23
Wyffels	W7876RIB ↗	VT2P	114	234.7	15.3	62	31.9	1142	24
Renk	RK958VT2P ↗	VT2P	115	233.8	15.2	57	31.9	1139	25
NuTech	73A4AM ↗	AM	113	233.3	15.0	60	32.9	1139	26
Kruger	K1460DT ↗	TRE	114	232.5	15.3	47	33.8	1132	28
FS InVision	FS 6306T RIB ↗	TRE	113	232.4	15.1	66	30.9	1133	27
Kruger	K1364DT ↗	TRE	113	229.9	14.8	23	33.8	1122	29
Integra	6342 TRERIB ↗	TRE	113	229.3	14.7	81	31.9	1119	30
NK Brand	NK1661-AA ↗	AA	116	228.5	14.9	19	32.9	1115	31
DEKALB	DKC111-35RIB CK	VT2P	111	241.2	14.8	45	32.9	1177	18
				Averages =	237.7	15.0	47	32.7	1159
				LSD (0.10) =	9.4	0.3	20		
				LSD (0.25) =	4.9	0.2	10		
				C.V. =	3.7				
								Historic yield: 204.64 bu/a, 8 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: 11/03/2023

† 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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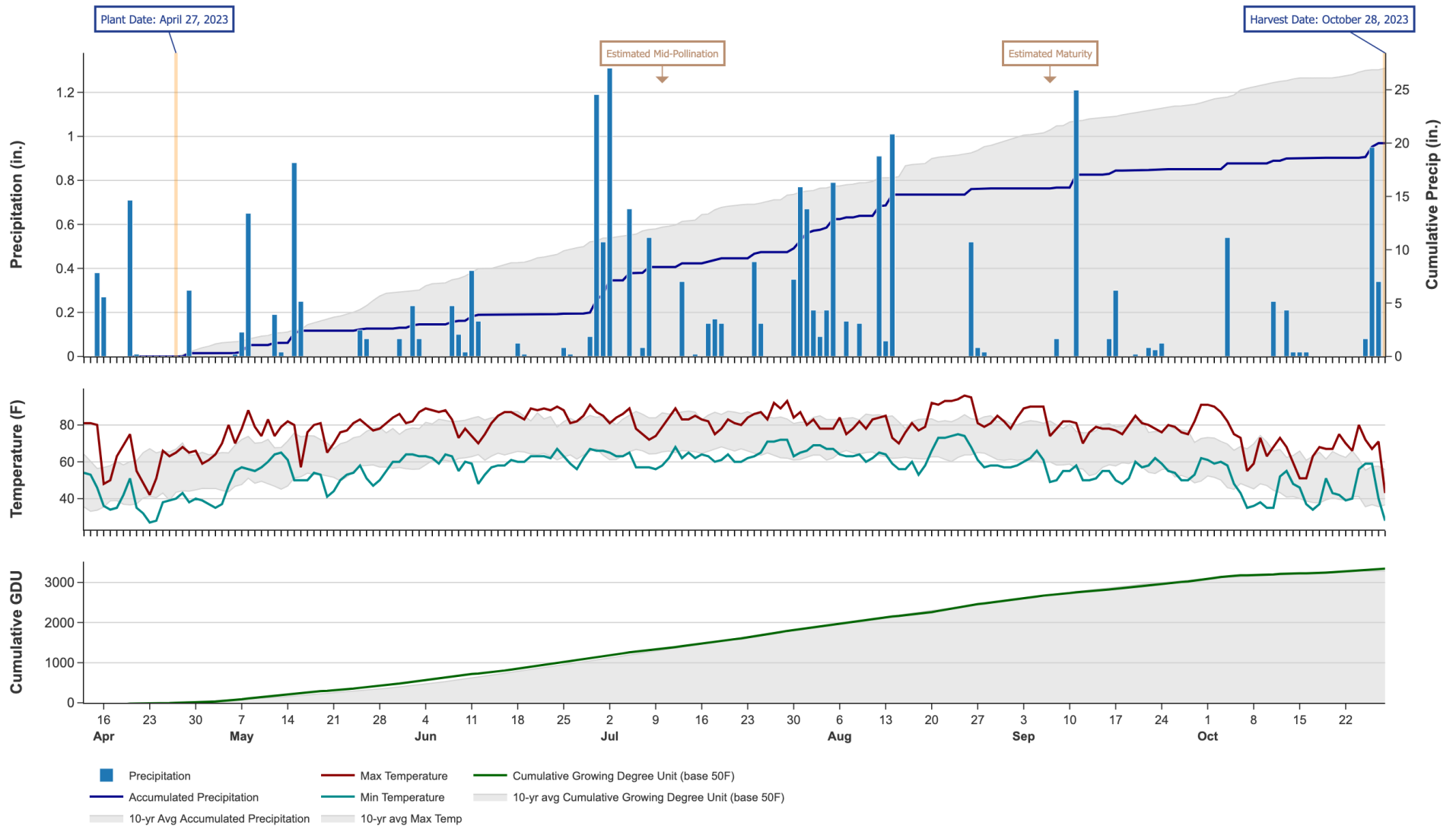
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2023 Corn - Iowa South [IASO]

Weather Conditions Summary at CLARINDA, IA

Weather Data Retrieved: 11/03/2023

Monthly Total	Apr*	May	Jun	Jul	Aug	Sep	Oct*	Total
Precip (in) (Diff)	1.7 2.6 (-1.0)	2.4 5.4 (-3.0)	2.6 4.8 (-2.2)	5.6 4.6 (+1.0)	4.8 4.8 (0.0)	1.8 3.6 (-1.8)	2.4 3.2 (-0.8)	21.4 29.0 (-7.7)
GDU Avg (Diff)	118 71 (+46)	454 370 (+83)	656 676 (-20)	706 764 (-58)	696 717 (-21)	529 531 (-2)	276 195 (+80)	3435 3326 (+108)



* 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 South [IASO]

Early-Season Test Products (42 Total)

Company/Brand	Product/Brand	Technology	RIB	RM	Seed Treat.
Augusta	A1259-5222	DV	Y*	109	CM,C2
Augusta	A4961 AA	AA	N	111	CM,C2
Brevant	B10Y21Q GC	QR	Y	110	Lum, L1
Channel	210-46VT2PRIB GC	VT2P	Y	110	AC,P5V,EDC-B
DeKalb	DKC111-35RIB CK	VT2P	Y*	111	AC,P5V,EDC-EL
Dyna-Gro	D49VC53RIB	VT2P	Y*	109	AC,P5V
Dyna-Gro	D50VC09RIB	VT2P	Y*	110	AC,P5V
FS InVision	FS 5835V RIB	VT2P	Y	108	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
FS InVision	FS 6137PC	PCE	N	111	CM,C2,Vi,Va
Golden Harvest	G10L16-DV	DV	Y	110	AVC,C5,Vi,Va
Golden Harvest	G11V76-AA	AA	Y	111	CM,C5,Va
Hoegemeyer	8110AM	AM	Y	111	Lum, L1
Hoegemeyer	8125AM	AM	Y	111	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	K0858DP	VT2P	Y	108	AC,P5V
Kruger	K0915DD	VT2PDG	Y	109	AC,P5V
Kruger	K1191DT	TRE	Y	111	AC,P5V
NK Brand	NK1040-AA	AA	Y	110	CM,C5,Va
NK Brand	NK1188-D	D	Y	111	AVC,C1,Va
NuTech	66D1AM	AM	Y	106	Lum, L1
NuTech	68A7AM	AM	Y	108	Lum, L1
NuTech	68A9AM	AM	Y	108	Lum, L1
NuTech	70B4AM	AM	Y	110	Lum, L1
NuTech	71A2AM	AM	Y	111	Lum, L1
Pioneer	P1108Q GC	QR	Y	111	Lum, L1
Pioneer	P1164AM GC	AM	Y	111	Treated
Renk	RK703PWE	PCE	N	106	Lum,P5V
Renk	RK766SSPRO	STXP	N	109	AC,P5V,B300
Renk	RK773TRE	TRE	N	109	AC,P5V,B300
Renk	RK811PWE	PCE	N	111	Lum,P5V
Taylor	6012 TRE	TRE	N	111	CM,C2
Titan Pro	31-10 PCE	PCE	N	110	CM,C2,Vi,Va
Titan Pro	39-08 PCE	PCE	N	108	CM,C2,Vi,Va
Wyffels	W5406	VT2P	N	108	AC,P5
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 - Iowa South [IASO]

Full-Season Test Products (42 Total)

Company/Brand	Product/Brand	Technology	RIB	RM	Seed Treat.
Brevant	B14H38AM GC	AM	Y	114	Lum, L1
Channel	214-78DGVT2PRIB GC	VT2PDG	Y	114	AC,P5V,EDC-B
DeKalb	DKC111-35RIB CK	VT2P	Y*	111	AC,P5V,EDC-EL
DeKalb	DKC65-95RIB GC	VT2P	Y	115	AC,P5V,EDC-EL
Dyna-Gro	D53VC54RIB	VT2P	Y	113	AC,P5V
Dyna-Gro	D56TC44RIB	TRE	Y	116	AC,P5V
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
FS InVision	FS 6625V RIB	VT2P	Y	116	AC,P5V,EDC-EL
Golden Harvest	G15J91-V	V	Y	115	CM,C5,Va
Golden Harvest	G16Q82-AA	AA	Y	116	CM,C5,Va
Hoegemeyer	8397Q	QR	Y	113	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	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
LG Seeds	LG64C43VT2	VT2P	N	114	AC, PV
NK Brand	NK1523-V	V	Y	115	CM,C5,Va
NK Brand	NK1661-AA	AA	Y	116	CM,C5,Va
NuTech	72D4AM	AM	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
Renk	RK876VT2P	VT2P	N	113	AC,P5V,B300
Renk	RK895DGVT2P	VT2PDG	N	113	AC,P2
Renk	RK915VT2P	VT2P	N	115	AC,P2
Renk	RK958VT2P	VT2P	N	115	AC,P2
Taylor	6015 TRE	TRE	N	115	CM,C2
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	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®
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
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,C1,Va	Avicta® Complete 1250 with Vayantis®
AVC,C5,Vi,Va	Avicta Complete 500, Vibrance, Vayantis
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,P5V	LumiGEN™ Poncho 500/Votivo
Treated	Treated seed, unspecified

* Seed treatments may include unspecified plant health promoting components.