

Test by: F.I.R.S.T. NCB, Inc. Lanark, IL

2023 Corn Grain Top 30 Harvest Report

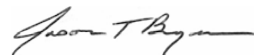
North Central Iowa, Tri-State Illinois & Wisconsin [NCTS]
MANCHESTER, IA
John Crock, Delaware County, IA 52057

Early-Season Test	101 - 107 Day CRM B2023NCTS12a
Top 30 of 54	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Corn, 2+ Yr / Harness Xtra, Roundup, Callisto, Trivapro, Warrior
SOIL DESCRIPTION:	Kenyon loam, mod. well drained, non-irrigated
SOIL CONDITION:	Conventional W/ Fall Till, very high P, very high K, 6.3 pH, 3.3% OM, 13.9 CEC
PEST MANAGEMENT:	Harness Xtra, Roundup, Callisto, Trivapro, Warrior, Force
FERTILITY - Applied N:	100 Fall, 100 Sidedress
Applied N-P-K (units):	200-92-120
SEEDED - RATE - ROW:	May 4 37.5 /A 30" spacing
HARVESTED - STAND:	Oct 6 33.6 /A

TEST COMMENTS:

Planting conditions were great and within 4 days after planting the plot received an inch of rain. The plot was nice and uniform at V5 and was off to a great start. This area ended up being almost 10 inches short of rainfall for the growing season. Stalk strength was still pretty good, but a good portion of the tops were blown out. Ears were filled out well with little disease to be found throughout the plot area.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Cornelius	C6645PC ↗	PCE	106	242.0	17.2	2	34.8	1134	1
Pioneer	P0529Q GC ↗	QR	105	240.4	17.3	7	33.1	1125	2
FS InVision	FS 5725X RIB ↗	STX	107	237.0	17.8	4	31.3	1106	5
Wyffels	W3309 ↗	STXP	103	236.5	16.8	3	34.8	1111	3
NuTech	66C2Q ↗	QR	106	236.4	17.5	2	33.0	1105	6
Renk	RK703PWE ↗	PCE	106	236.4	18.1	4	33.9	1101	9
Golden Harvest	G07G73-D GC ↗	D	107	235.9	17.3	4	34.8	1104	7
Dairyland	DS-4510Q ↗	QR	105	235.6	16.7	5	33.0	1107	4
DeKalb	DKC107-33RIB GC ↗	STXP	107	234.8	17.3	7	33.0	1099	11
Cornelius	C6724SS ↗	STX	107	234.7	17.2	14	33.9	1100	10
Dairyland	DS-4219AM ↗	AM	102	234.0	16.2	5	33.0	1103	8
Wyffels	W5019 ↗	STXP	107	231.8	16.3	4	31.3	1092	12
NuTech	65D3Q ↗	QR	105	231.0	17.7	4	34.8	1079	14
Burrus	POWER PLUS 2J67 Q ↗	QR	105	230.0	16.6	5	33.1	1081	13
NuTech	64B5Q ↗	QR	104	228.6	17.6	2	33.1	1068	17
Stone	0304SS ↗	STX	103	227.5	17.2	2	33.9	1066	18
Dairyland	DS-4365AM ↗	AM	103	227.4	16.1	22	34.8	1073	16
Wyffels	W3579RIB ↗	STXP	105	226.5	16.6	2	31.3	1065	19
Burrus	POWER PLUS 1U41AM ↗	AM	102	226.4	16.6	2	33.1	1065	20
Jung	57DP553 ↗	VT2P	107	225.6	16.4	7	33.0	1062	21
Brevant	B04R11Q GC ↗	QR	104	224.6	17.5	6	32.2	1050	23
Integra	5584 PWE ↗	PCE	105	224.5	17.3	3	33.9	1051	22
Integra	5704 SPRO ↗	STXP	107	222.2	16.8	10	35.7	1043	24
FS InVision	FS 5335P RIB ↗	STXP	103	220.1	16.8	10	34.8	1034	25
Jung	56FP544 ↗	VT4P	106	219.7	16.8	5	33.9	1032	26
Renk	RK625DGV2P ↗	VT2PDG	104	218.6	16.7	23	34.8	1027	27
Integra	5443 DGV2PRIB ↗	VT2PDG	104	217.6	16.9	15	33.9	1021	28
Augusta	A3052-DV GC ↗	DV	102	216.6	16.8	3	33.9	1017	29
NuTech	63A5AM ↗	AM	103	216.3	16.7	17	33.9	1016	31
Dairyland	DS-4686AM ↗	AM	106	215.9	16.3	14	31.3	1017	30
PIONEER	P0720Q CK	QR	107	230.6	17.4	7	34.8	1079	15
				Averages =	216.8	16.8	11	33.6	1018
				LSD (0.10) =	17.7	0.7	9		
				LSD (0.25) =	9.3	0.3	5		
				C.V. =	7.7				
				Historic yield: 201.28 bu/a, 22 yr(s)					



Jason Beyers

beyers@frontiernet.net, (815) 493-9005

Yield & Income Factors:

Base Moisture = 15.0%

Shrink = 1.3

Drying = \$0.03

Prices: GMO = \$4.75

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

North Central Iowa, Tri-State Illinois & Wisconsin [NCTS]
MANCHESTER, IA
John Crock, Delaware County, IA 52057

Full-Season Test	108 - 111 Day CRM B2023NCTS12b
Top 30 of 45	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Corn, 2+ Yr / Harness Xtra, Roundup, Callisto, Trivapro, Warrior
SOIL DESCRIPTION:	Kenyon loam, mod. well drained, non-irrigated
SOIL CONDITION:	Conventional W/ Fall Till, very high P, very high K, 6.3 pH, 3.3% OM, 13.9 CEC
PEST MANAGEMENT:	Harness Xtra, Roundup, Callisto, Trivapro, Warrior, Force
FERTILITY - Applied N:	100 Fall, 100 Sidedress
Applied N-P-K (units):	200-92-120
SEEDED - RATE - ROW:	May 4 37.5 /A 30" spacing
HARVESTED - STAND:	Oct 6 33.7 /A

TEST COMMENTS:

Planting conditions were great and within 4 days after planting the plot received an inch of rain. The plot was nice and uniform at V5 and was off to a great start. This area ended up being almost 10 inches short of rainfall for the growing season. Stalk strength was still pretty good, but a good portion of the tops were blown out. Ears were filled out well with little disease to be found throughout the plot area.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
NuTech	70F6Q ↗	QR	110	270.5	19.2	11	33.9	1251	1
Renk	RK811PWE ↗	PCE	111	265.5	19.9	3	33.0	1222	2
Wyffels	W7048 ↗	STX	111	258.3	20.0	1	33.9	1188	3
Dairyland	DS-5177AM ↗	AM	111	257.5	19.8	2	33.1	1186	4
FS InVision	FS 6025X RIB ↗	STX	110	255.0	19.4	2	34.8	1177	5
NuTech	68C1Q ↗	QR	108	252.4	18.4	3	33.9	1173	6
Renk	RK766SSPRO ↗	STXP	109	251.1	18.4	2	33.1	1167	7
Golden Harvest	G11V76-D ↗	D	111	250.1	17.9	2	34.0	1166	8
Pioneer	P0924Q GC ↗	QR	109	249.0	19.5	7	33.1	1149	14
Dairyland	DS-4833AM ↗	AM	108	248.5	18.5	6	35.7	1154	11
Dairyland	DS-4878AM ↗	AM	108	248.1	17.8	8	30.4	1158	9
FS InVision	FS 5935X RIB ↗	STX	109	248.1	18.5	5	33.0	1152	12
Dairyland	DS-5095AM ↗	AM	110	248.1	17.7	3	34.8	1158	10
Burrus	POWER PLUS 5L44AM ↗	AM	110	247.2	18.3	19	34.8	1150	13
Epley	E2109PWE ↗	PCE	111	247.0	19.1	3	34.8	1143	16
Cornelius	C6936SS ↗	STX	109	246.6	19.1	1	33.9	1141	18
NuTech	68A9AM ↗	AM	108	245.9	18.1	5	33.9	1145	15
Burrus	POWER PLUS 5F17 Q ↗	QR	110	245.4	19.5	10	33.1	1132	20
NK Brand	NK1040-AA ↗	AA	110	244.4	18.1	3	34.8	1138	19
Integra	5802 VT2PRIB ↗	VT2P	108	243.8	17.1	9	35.7	1143	17
Stone	1103SS ↗	STX	111	242.6	19.0	4	35.7	1123	21
Wyffels	W6215 ↗	TRE	109	241.8	19.4	5	32.1	1116	24
NuTech	70B4AM ↗	AM	110	241.8	18.5	2	33.1	1123	22
Augusta	A1958-DV ↗	DV	108	241.4	19.3	1	33.9	1116	25
Renk	RK773TRE ↗	TRE	109	240.8	19.0	1	33.9	1115	26
Dyna-Gro	D50VC09RIB ↗	VT2P	110	240.5	17.8	6	35.7	1122	23
Jung	59SP554 ↗	STXP	109	237.0	18.7	4	32.2	1099	27
Jung	61SS613 ↗	STX	111	233.7	18.6	4	33.9	1085	28
FS InVision	FS 5835V RIB ↗	VT2P	108	233.6	19.0	6	33.1	1082	29
NuTech	70A8AM ↗	AM	110	230.8	18.6	9	34.8	1072	30
PIONEER	P0720Q CK	QR	107	227.9	18.1	5	33.9	1062	33
				Averages =	237.9	18.7	6	33.7	1104
				LSD (0.10) =	16.2	0.9	5		
				LSD (0.25) =	8.5	0.4	3		
				C.V. =	6.5				
Jason Beyers beyers@frontiernet.net, (815) 493-9005				Historic yield: 201.28 bu/a, 22 yr(s)					

Yield & Income Factors: Base Moisture = 15.0% Shrink = 1.3 Drying = \$0.03 Prices: GMO = \$4.75

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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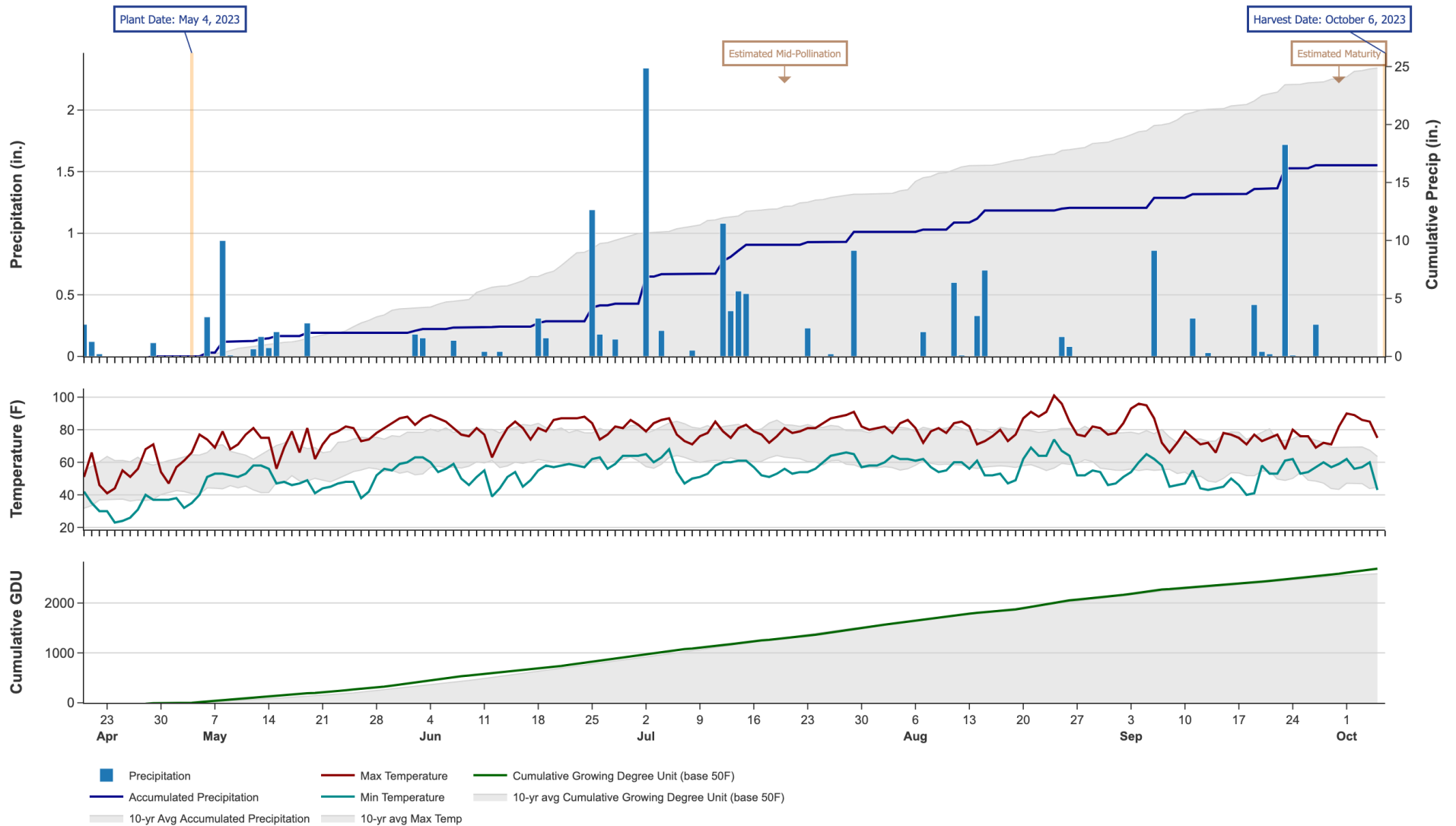
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2023 Corn - North Central Iowa, Tri-State Illinois & Wisconsin [NCTS]

Weather Conditions Summary at MANCHESTER, IA

Weather Data Retrieved: 10/06/2023

Monthly Total	Apr*	May	Jun	Jul	Aug	Sep	Oct*	Total
Precip (in) (Diff)	0.5 1.3 (-0.8)	2.0 4.9 (-2.9)	2.5 6.3 (-3.8)	6.2 3.6 (+2.6)	2.1 4.5 (-2.4)	3.7 5.5 (-1.8)	0.0 0.9 (-0.9)	17.0 27.0 (-10.0)
GDU Avg (Diff)	28 11 (+16)	374 315 (+59)	566 583 (-17)	594 657 (-63)	606 589 (+16)	454 421 (+32)	102 44 (+57)	2724 2624 (+99)



* 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 - North Central Iowa, Tri-State Illinois & Wisconsin [NCTS]

Early-Season Test Products (54 Total)

Company/Brand	Product/Brand	Technology	RIB	RM	Seed Treat.
Augusta	A1457-D	D	Y	107	CM,C2
Augusta	A1954 PCE	PCE	N	104	CM,C2
Augusta	A3052-DV	DV	Y*	102	CM,C2
Brevant	B04R11Q	QR	Y	104	Lum, L1
Burrus	POWER PLUS 1U41AM	AM	Y	102	Lum, L1
Burrus	POWER PLUS 2J67 Q	QR	Y	105	BPS
Cornelius	C6472TRE	TRE	N	104	AC,P5V,EDC-EL
Cornelius	C6639DP	VT2P	N	106	AC,P5V
Cornelius	C6645PC	PCE	N	106	AC,P5V
Cornelius	C6724SS	STX	N	107	AVC,C2,CM,C5,Vi,Va
Dairyland	DS-4219AM	AM	Y	102	Lum, L1
Dairyland	DS-4365AM	AM	Y	103	Lum, L1
Dairyland	DS-4510Q	QR	Y	105	Lum, L1
Dairyland	DS-4686AM	AM	Y	106	Lum, L1
DeKalb	DKC107-33RIB	STXP	Y	107	AC,P5V,EDC-EL
FS InVision	FS 5115X RIB	STX	Y	101	AC,P5V,EDC-EL
FS InVision	FS 5335P RIB	STXP	Y	103	AC,P5V,EDC-EL
FS InVision	FS 5525VDG RIB	VT2PDG	Y	105	AC,P5V,EDC-EL
FS InVision	FS 5594X RIB	STX	Y	105	AC,P5V,EDC-EL
FS InVision	FS 5725X RIB	STX	Y	107	AC,P5V,EDC-EL
Golden Harvest	G01B63-AA	AA	Y	101	CM,C5,Va
Golden Harvest	G03B19-AA	AA	Y	103	CM,C5,Va
Golden Harvest	G07G73-D	D	Y	107	AVC,C2,CM,C5,Vi,Va
Integra	5443 DGV2PRIB	VT2PDG	N	104	AC,P5V,SU+Zn
Integra	5584 PWE	PCE	N	105	AC,P5V
Integra	5704 SSSPRO	STXP	Y	107	AC,P5V
Jung	55DP514	VT2P	Y	105	AC,P5V,EDC-B
Jung	56FP544	VT4P	Y	106	AC,P5V,EDC-B
Jung	57DP553	VT2P	Y	107	AC,P5V,EDC-B
Legacy	LC554-21	VT2PDG	N	105	AC,P2,Va,Zn
Legacy	LC554-23	STX	N	105	AC,P5V
LG Seeds	LG56C25SSP	STXP	N	106	AC,P5V
LG Seeds	LG56C78-3110	3110	N	106	AC,P5V
NK Brand	NK0295-AA	AA	Y	102	CM,C5,Va
NK Brand	NK0367-AA	AA	Y	103	CM,C5,Va
NuTech	63A5AM	AM	Y	103	Lum, L1
NuTech	64B5Q	QR	Y	104	Lum, L1
NuTech	65D3Q	QR	Y	105	Lum, L1
NuTech	66C2Q	QR	Y	106	Lum, L1
NuTech	66D1AM	AM	Y	106	Lum, L1
Pioneer	P0529Q	QR	Y	105	Lum, L1
Pioneer	P0720Q	QR	Y	107	Lum, L1

Company/Brand	Brand/Product	Technology	RIB	RM	Seed Treat.
Renk	RK625DGV2P	VT2PDG	N	104	AC,P2
Renk	RK628VT2P	VT2P	N	102	AC,P5V,B300
Renk	RK703PWE	PCE	N	106	Lum,P5V
Renk	RK707TRE	TRE	N	105	AC,P5V,B300
Renk	RK720TRE	TRE	N	106	AC,P2
Stone	0304SS	STX	Y	103	AC,P5V,EDC-B
Stone	0603SP	STXP	Y	106	AC,P5V,EDC-B
Wyffels	W3309	STXP	N	103	AC,P5
Wyffels	W3579RIB	STXP	Y*	105	CM,C2,Vi,Va
Wyffels	W4025RIB	TRE	Y*	105	CM,C2,Vi,Va
Wyffels	W5019	STXP	N	107	AC,P5
Wyffels	W5086RIB	VT2P	Y	107	CM,C2,Vi

* 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 - North Central Iowa, Tri-State Illinois & Wisconsin [NCTS]

Full-Season Test Products (45 Total)

Company/Brand	Product/Brand	Technology	RIB	RM	Seed Treat.
Augusta	A1958-DV	DV	N	108	CM,C2
Burrus	POWER PLUS 5F17 Q	QR	Y	110	BPS
Burrus	POWER PLUS 5L44AM	AM	Y	110	BPS
Cornelius	C6936SS	STX	N	109	AVC,C2,CM,C5,Vi,Va
Cornelius	C7021DP	VT2P	N	110	CM,C2,Vi,Va
Dairyland	DS-4833AM	AM	Y	108	Lum, L1
Dairyland	DS-4878AM	AM	Y	108	Lum, L1
Dairyland	DS-5095AM	AM	Y	110	Lum, L1
Dairyland	DS-5177AM	AM	Y	111	Lum, L1
DeKalb	DKC59-82RIB	VT2P	Y	109	AC,P5V,EDC-EL
Dyna-Gro	D48SS50RIB	STX	Y	108	AC,P5V
Dyna-Gro	D50VC09RIB	VT2P	Y*	110	AC,P5V
Epley	E2109PWE	PCE	N	111	Vi5
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
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-D	D	Y	111	AVC,C1,Va
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
Jung	58DD563	VT2PDG	Y	108	AC,P5V,EDC-B
Jung	59SP554	STXP	Y	109	AC,P5V,EDC-B
Jung	61SS613	STX	Y	111	AC,P5V,EDC-B
NK Brand	NK0835-AA	AA	Y	108	CM,C5,Va
NK Brand	NK1040-AA	AA	Y	110	CM,C5,Va
NuTech	68A9AM	AM	Y	108	Lum, L1
NuTech	68C1Q	QR	Y	108	Lum, L1
NuTech	70A8AM	AM	Y	110	Lum, L1
NuTech	70B4AM	AM	Y	110	Lum, L1
NuTech	70F6Q	QR	Y	110	Lum, L1
Pioneer	P0720Q	QR	Y	107	Lum, L1
Pioneer	P0924Q	QR	Y	109	Lum, L1
Renk	RK766SSPRO	STXP	N	109	AC,P5V,B300
Renk	RK773TRE	TRE	N	109	AC,P5V,B300
Renk	RK811PWE	PCE	N	111	Lum,P5V
Stone	0904SP	STXP	Y	109	AC,P5V,EDC-B
Stone	1103SS	STX	Y	111	AC,P5V,EDC-B
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.

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

3110	Agrisure® Viptera® 3110 (Vip, CB,LL,GT)
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®
VT2P	VT Double PRO®
VT2PDG	DroughtGard® with VT Double PRO®
VT4P	VT4Pro™ with RNAi Technology

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

Corn Seed Treatments*

NA	Not Available
AC,P2	Acceleron® 250
AC,P2,Va,Zn	Acceleron® 250, Vayantis® + Zn
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
AVC,C1,Va	Avicta® Complete 1250 with Vayantis®
AVC,C2,CM,C5,Vi,Va	Avicta® Complete 250, CruiserMaxx 500, Vibrance®, Vayantis®
BPS	Burrus PowerShield
CM,C2	CruiserMaxx® 250
CM,C2,Vi	CruiserMaxx® 250 with Vibrance
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
Vi5	Vibrance® Cinco

* Seed treatments may include unspecified plant health promoting components.