

Test by: North Iowa F.I.R.S.T., Inc. Sanborn, IA

2023 Corn Grain Top 30 Harvest Report

Iowa North Central [IANC] GREENE, IA
Mike Ruby, Butler County, IA 50636

Early-Season Test	101 - 106 Day CRM B2023IANC04a
Top 30 of 60	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Soybeans / Zidua Pro, 2,4-D, Glyphosate, Engenia
SOIL DESCRIPTION:	Waukee loam, well drained, non- irrigated
SOIL CONDITION:	Conventional W/O Fall Till, high P, very high K, 5.6 pH, 3.2% OM, 18.8 CEC
PEST MANAGEMENT:	Harness Xtra, Armezon Pro, Atrazine, Miravis Neo
FERTILITY - Applied N:	160 Fall, 20 units of sulfur included spring pre-plant
Applied N-P-K (units):	160-0-74
SEEDED - RATE - ROW:	May 2 35.7 /A 30" spacing
HARVESTED - STAND:	Oct 3 34.2 /A

TEST COMMENTS:

Lots of variability in area fields this year due to the dry conditions. Wavy fields across the region were a good indication of soils that held water and those that couldn't. Some corn grew decent where there was water...other areas just stalled out and gave up. There just wasn't enough moisture through the season to allow this corn to take off. Pollination was impacted as evidenced by tipback ears. Even though this farm did receive some August and early September rains, the damage from the persistent drought had been done. As of mid-September, this farm remained in D3 extreme drought conditions and was 11" below the 10-year average for rainfall from planting through black-layer.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
FS InVision	FS 5594X RIB ↗	STX	105	177.5	16.3	0	35.8	808	2
Wyffels	W3576RIB ↗	VT2P	103	176.1	14.7	0	33.9	810	1
Prairie Hybrids	3051ORG ↗	CONV	105	175.6	16.3	0	34.5	799	3
Titan Pro	84-01 ↗	CONV	101	173.3	16.0	0	33.2	790	4
Augusta	A1954 PCE ↗	PCE	104	170.6	16.5	0	33.9	775	7
Cornelius	C6578PC ↗	PCE	105	169.8	17.0	0	33.9	767	12
Viking	84-04 ↗	CONV	104	169.7	15.5	0	33.9	777	6
NuTech	66C2Q ↗	QR	106	169.5	16.6	0	32.6	769	11
Augusta	A2154 ↗	CONV	104	169.1	14.8	0	35.2	778	5
Rob-See-Co	RC5188-SSP ↗	STXP	101	169.1	15.8	0	35.2	773	8
NuTech	63A5AM ↗	AM	103	168.4	17.0	0	35.8	761	14
Golden Harvest	G03B19-AA ↗	AA	103	168.4	15.3	0	35.2	773	9
Augusta	A1956-PWE ↗	PCE	106	168.3	16.7	0	31.9	763	13
Epley	E1530 ↗	CONV	105	167.8	14.5	0	33.9	772	10
FS InVision	FS 5335P RIB ↗	STXP	103	166.7	16.0	0	35.2	760	17
Rob-See-Co	RC5694-VT2P ↗	VT2P	106	166.3	15.6	0	33.9	761	15
Epley	E1540 ↗	CONV	105	166.2	15.5	0	34.5	761	16
Hefty	H5254 ↗	STX	102	165.1	16.7	0	35.8	748	20
NuTech	65D3Q ↗	QR	105	165.0	17.4	0	35.2	743	25
Kruger	K0377SS ↗	STX	103	164.7	15.7	0	35.2	753	18
Anderson	472SRC ↗	STX	106	164.5	16.8	0	34.5	745	23
Hefty	H5432 ↗	VT2P	104	164.3	16.5	0	33.9	746	22
FS InVision	FS 5525VDG RIB ↗	VT2PDG	105	163.4	16.1	0	33.2	744	24
Kruger	K0551DP ↗	VT2P	105	163.4	15.8	0	35.2	747	21
Integra	5443 DGVT2PRIB ↗	VT2PDG	104	162.5	15.8	1	35.2	742	26
Rob-See-Co	RC5610-PCE ↗	PCE	106	161.9	15.7	0	33.9	740	27
Prairie Hybrids	4470 ↗	CONV	106	161.7	16.2	0	35.8	736	30
Renk	RK707TRE ↗	TRE	105	160.9	14.5	0	33.8	740	28
Kruger	K0475SP ↗	STXP	104	160.7	15.8	0	33.2	734	31
Wyffels	W2595 ↗	TRE	101	160.3	14.9	0	34.5	737	29
PIONEER	P0622Q CK	QR	106	166.8	17.4	0	33.2	751	19

Corey Rozenboom

Corey Rozenboom

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Averages = **160.0** **16.1** **0** **34.2** **729**

LSD (0.10) = 8.0 0.8 ns

LSD (0.25) = 4.2 0.4 ns

C.V. = 4.7

Historic yield: 198.46 bu/a, 23 yr(s)

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

Report Date: 10/04/2023

† 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 North Central [IANC] GREENE, IA
Mike Ruby, Butler County, IA 50636

Full-Season Test	107 - 111 Day CRM B2023IANC04b
Top 30 of 54	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Soybeans / Zidua Pro, 2,4-D, Glyphosate, Engenia
SOIL DESCRIPTION:	Waukee loam, well drained, non- irrigated
SOIL CONDITION:	Conventional W/O Fall Till, high P, very high K, 5.6 pH, 3.2% OM, 18.8 CEC
PEST MANAGEMENT:	Harness Xtra, Armezon Pro, Atrazine, Miravis Neo
FERTILITY - Applied N:	160 Fall, 20 units of sulfur included spring pre-plant
Applied N-P-K (units):	160-0-74
SEEDED - RATE - ROW:	May 2 35.7 /A 30" spacing
HARVESTED - STAND:	Oct 3 33.9 /A

TEST COMMENTS:

Lots of variability in area fields this year due to the dry conditions. Wavy fields across the region were a good indication of soils that held water and those that couldn't. Some corn grew decent where there was water...other areas just stalled out and gave up. There just wasn't enough moisture through the season to allow this corn to take off. Pollination was impacted as evidenced by tipback ears. Even though this farm did receive some August and early September rains, the damage from the persistent drought had been done. As of mid-September, this farm remained in D3 extreme drought conditions and was 11" below the 10-year average for rainfall from planting through black-layer.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank	
FS InVision	FS 6133VDG RIB ↗	VT2PDG	111	210.4	18.2	0	33.2	941	1	
NuTech	70B4AM ↗	AM	110	204.8	18.3	0	33.2	915	2	
Rob-See-Co	RC6131-SS ↗	STX	111	200.2	17.2	0	33.2	903	3	
Wyffels	W6886 ↗	VT2P	111	199.3	18.0	0	34.5	893	4	
NuTech	70F6Q ↗	QR	110	199.1	19.2	0	34.5	883	5	
Hefty	H6064 ↗	STX	110	195.6	19.6	0	33.2	864	9	
Hefty	H6145 TRERIB ↗	TRE	111	194.3	18.4	0	35.2	867	8	
Renk	RK811PWE ↗	PCE	111	194.1	18.2	0	35.8	868	6	
Cornelius	C7021DP ↗	VT2P	110	191.7	19.9	0	35.8	844	14	
Pioneer	P0953AM GC ↗	AM	109	191.1	16.5	0	33.2	868	7	
Integra	6061 STXRIB ↗	STX	110	190.6	18.5	0	34.5	850	11	
Cornelius	C7048SSP ↗	STXP	110	190.3	16.8	0	35.2	862	10	
Renk	RK773TRE ↗	TRE	109	188.3	18.2	0	34.5	842	16	
FS InVision	FS 5935X RIB ↗	STX	109	188.1	17.4	0	31.9	847	13	
NuTech	68A9AM ↗	AM	108	187.4	16.8	0	32.5	848	12	
Augusta	A1958-DV ↗	DV	108	187.1	20.0	0	35.2	823	22	
Hefty	H5944 ↗	STX	109	186.9	17.2	0	31.2	843	15	
Epley	E2120 ↗	CONV	111	184.9	17.8	0	35.8	830	18	
Kruger	K0783DP ↗	VT2P	107	184.3	16.3	0	33.2	838	17	
Prairie Hybrids	5883 ↗	CONV	109	184.2	19.5	0	35.2	814	28	
Hefty	H5952 ↗	VT2P	109	183.6	17.9	0	33.2	824	21	
ProHarvest	79P49 VT2PRIB ↗	VT2P	109	183.3	18.7	0	32.6	816	25	
Kruger	K1139SS ↗	STX	111	183.2	17.9	0	35.2	822	23	
NuTech	70A8AM ↗	AM	110	183.0	17.3	0	34.5	825	20	
Viking	85-09 ↗	CONV	109	182.7	18.4	0	34.5	816	26	
Integra	CXINT108VT ↗	VT2P	108	182.6	17.6	0	33.9	821	24	
Rob-See-Co	RC5704-SSP ↗	STXP	107	182.5	16.9	0	35.2	826	19	
ProHarvest	81P88 TRERIB ↗	TRE	111	181.0	18.1	0	33.2	810	29	
Wyffels	W5406 ↗	VT2P	108	180.3	17.7	0	34.5	810	30	
Cornelius	C6847TRE ↗	TRE	108	179.6	16.4	0	34.5	816	27	
PIONEER	P0622Q CK	QR	106	170.0	17.2	0	34.5	767	42	
				Averages =	180.3	18.1	0	33.9	807	
				LSD (0.10) =	11.3	1.6	ns			
				LSD (0.25) =	5.9	0.8	ns			
				C.V. =	6.0					
Corey Rozenboom				Historic yield: 198.46 bu/a, 23 yr(s)						
corey.rozenboom@firstseedtests.com, (319) 830-8886										

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

Report Date: 10/04/2023

† 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

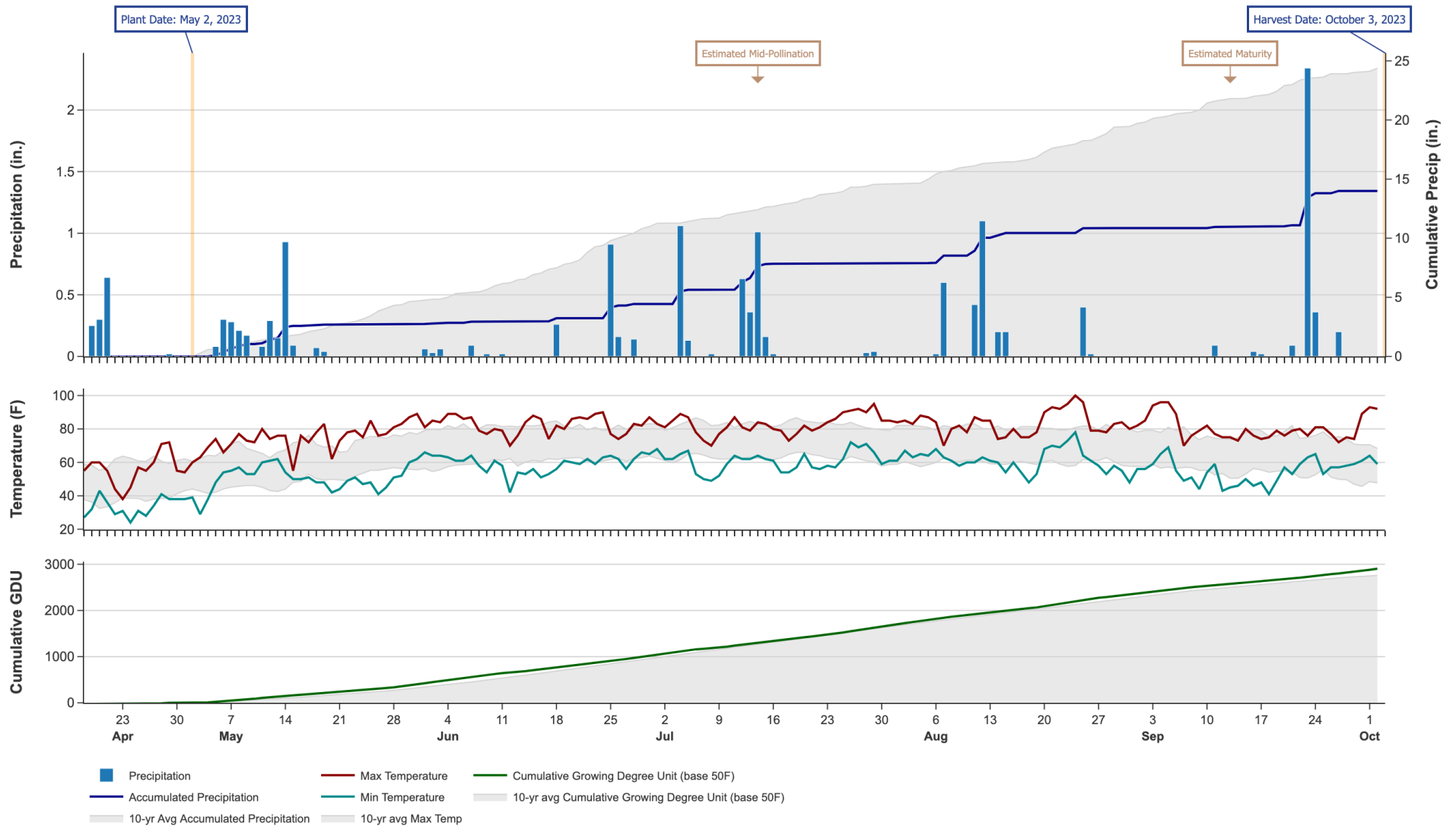
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2023 Corn - Iowa North Central [IANC]

Weather Conditions Summary at GREENE, IA

Monthly Total	Apr*	May	Jun	Jul	Aug	Sep	Oct*	Total
Precip (in) (Diff)	1.2 1.7 (-0.5)	2.7 5.1 (-2.4)	1.8 6.3 (-4.5)	3.5 3.6 (-0.2)	3.0 4.8 (-1.9)	3.1 4.6 (-1.5)	0.0 0.3 (-0.3)	15.2 26.5 (-11.3)
GDU Avg (Diff)	26 25 (0)	400 331 (+68)	621 626 (-5)	658 702 (-44)	666 632 (+33)	512 458 (+53)	48 19 (+28)	2931 2796 (+134)



* 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 North Central [IANC]

Early-Season Test Products (60 Total)

Company/Brand	Product/Brand	Technology	RIB	RM	Seed Treat.
Anderson	472SRC	STX	Y*	106	AC,P5
Anderson	528TRE	TRE	Y*	102	AC,P2
Augusta	A1954 PCE	PCE	N	104	CM,C2
Augusta	A1956-PWE	PCE	N	106	AC,P5V
Augusta	A2154	CONV	N	104	CM,C2
Blue River	49M23	CONV	U	103	Treated
Cornelius	C6472TRE	TRE	N	104	AC,P5V,EDC-B
Cornelius	C6578PC	PCE	N	105	AC,P5V
Cornelius	C6645PC	PCE	N	106	AC,P5V
DeKalb	DKC56-65RIB	STX	Y	106	AC,P5V,EDC-EL
Epley	E1530	CONV	N	105	Vi5
Epley	E1540	CONV	N	105	Vi5
FS InVision	FS 5125L1A EZR	AA	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
Golden Harvest	G01B63-AA	AA	Y	101	CM,C5,Va
Golden Harvest	G03B19-AA	AA	Y	103	CM,C5,Va
Hefty	H5254	STX	N	102	HC
Hefty	H5432	VT2P	N	104	HC
Hefty	H5442	VT2P	N	104	HC
Hefty	H5655	TRE	N	106	HC
Integra	5443 DGVT2PRIB	VT2PDG	N	104	AC,P5V,SU+Zn
Integra	5584 PWE	PCE	N	105	AC,P5V
Kruger	K0151SP	STXP	Y	101	AC,P5V
Kruger	K0377SS	STX	Y	103	AC,P5V
Kruger	K0475SP	STXP	Y	104	AC,P5V
Kruger	K0551DP	VT2P	Y	105	AC,P5V
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	P0339Q	QR	Y	103	Lum, L1
Pioneer	P0622Q	QR	Y	106	Lum, L1
Prairie Hybrids	3051ORG	CONV	N	105	CM,C2,Vi,Va
Prairie Hybrids	4470	CONV	N	106	MQ
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

Company/Brand	Brand/Product	Technology	RIB	RM	Seed Treat.
Rob-See-Co	RC5188-SSP	STXP	Y	101	AC,P5V,EDC-EL
Rob-See-Co	RC5422-PCE	PCE	N	104	CM,C2,Vi,Va
Rob-See-Co	RC5610-PCE	PCE	N	106	CM,C2,Vi,Va
Rob-See-Co	RC5694-VT2P	VT2P	Y	106	AC,P2
Titan Pro	24-05 PCE	PCE	N	105	CM,C2,Vi,Va
Titan Pro	32-06 SSP	STXP	Y	106	AC,P5V
Titan Pro	34-04 DG2P	VT2PDG	Y	104	AC,P2
Titan Pro	36-06	CONV	N	106	CM,C2,Vi,Va
Titan Pro	84-01	CONV	N	101	CM,C2,Vi,Va
Viking	24-01	CONV	U	101	AC,P2
Viking	72-06	CONV	N	106	CM,C2,Sb
Viking	84-04	CONV	N	104	AC,P2
Viking	84-05	CONV	N	105	CM,C2,Sb
Wyffels	W2595	TRE	N	101	AC,P5
Wyffels	W2629	STXP	N	101	AC,P5
Wyffels	W3309	STXP	N	103	AC,P5
Wyffels	W3576RIB	VT2P	Y*	103	CM,C2,Vi,Va
Wyffels	W4025RIB	TRE	Y*	105	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 North Central [IANC]

Full-Season Test Products (54 Total)

Company/Brand	Product/Brand	Technology	RIB	RM	Seed Treat.
Augusta	A1958-DV	DV	N	108	CM,C2
Cornelius	C6847TRE	TRE	N	108	CM,C2,Vi,Va
Cornelius	C7021DP	VT2P	N	110	CM,C2,Vi,Va
Cornelius	C7048SSP	STXP	N	110	AC,P5V,EDC-EL
Epley	E2120	CONV	N	111	Vi5
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
FS InVision	FS 6137PC	PCE	N	111	CM,C2,Vi,Va
Golden Harvest	G10B61-AA	AA	Y	110	CM,C5,Va
Golden Harvest	G11V76-D	D	Y	111	AVC,C1,Va
Hefty	H5862	VT2P	N	108	HC
Hefty	H5944	STX	N	109	HC
Hefty	H5952	VT2P	N	109	HC
Hefty	H6064	STX	N	110	HC
Hefty	H6145 TRERIB	TRE	Y	111	HC
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	K0915DD	VT2PDG	Y	109	AC,P5V
Kruger	K0957SP	STXP	Y	109	AC,P5V
Kruger	K1139SS	STX	Y	111	AC,P5V
Kruger	K1191DT	TRE	Y	111	AC,P5V
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	P0622Q	QR	Y	106	Lum, L1
Pioneer	P0953AM	AM	Y	109	Lum, L1
Pioneer	P1164AM	AM	Y	111	Lum, L1
Pioneer	P1185AM	AM	Y	111	Lum, L1
Prairie Hybrids	5851	CONV	N	109	AC,P5V
Prairie Hybrids	5883	CONV	N	109	MQ
ProHarvest	79P49 VT2PRIB	VT2P	Y	109	AC,P5V,Va
ProHarvest	79P87 SSRIB	STX	Y	109	AC,P5V,Va
ProHarvest	81P88 TRERIB	TRE	Y	111	AC,P5V,Va
Renk	RK766SSPRO	STXP	N	109	AC,P5V,B300
Renk	RK773TRE	TRE	N	109	AC,P5V,B300
Renk	RK811PWE	PCE	N	111	Lum,P5V

Company/Brand	Brand/Product	Technology	RIB	RM	Seed Treat.
Rob-See-Co	RC5704-SSP	STXP	Y	107	CM,C2,Vi,Va
Rob-See-Co	RC5802-PCE	PCE	Y	108	CM,C2,Vi,Va
Rob-See-Co	RC5824-SS	STX	Y	108	CM,C2,Vi,Va
Rob-See-Co	RC6131-SS	STX	Y	111	CM,C2,Vi,Va
Titan Pro	30-10	CONV	N	110	CM,C2,Vi,Va
Titan Pro	31-10 PCE	PCE	N	110	CM,C2,Vi,Va
Titan Pro	39-08 PCE	PCE	N	108	CM,C2,Vi,Va
Viking	85-09	CONV	U	109	CM,C2,Sb
Wyffels	W5019	STXP	N	107	AC,P5
Wyffels	W5406	VT2P	N	108	AC,P5
Wyffels	W6215	TRE	N	109	CM,C2,Vi,Va
Wyffels	W6886	VT2P	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

AA	Agrisure® Above (CB,HX,LL,GT), formerly Agrisure® 3120
AM	Optimum® AcreMax®
CONV	Conventional
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®

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,P5V,Va	Acceleron® Poncho 500/Votivo, Vayantis®
AVC,C1,Va	Avicta® Complete 1250 with Vayantis®
CM,C2	CruiserMaxx® 250
CM,C2,Sb	CruiserMaxx® 250, SabrEx Innoculant
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
MQ	Maxim Quattro
Treated	Treated seed, unspecified
Vi5	Vibrance® Cinco

* Seed treatments may include unspecified plant health promoting components.