

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

2023 Corn Grain Top 30 Harvest Report

Iowa North Central [IANC] IONIA, IA
Shanon Maloy, Chickasaw County, IA

Early-Season Test	101 - 106 Day CRM B2023IANC02a
Top 30 of 60	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Soybeans / Boundary 6.5 Ec, Roundup Powermax, Tavium, Fusilade Dx, Roundup Powermax
SOIL DESCRIPTION:	Tripoli clay loam, moderately drained, non-irrigated
SOIL CONDITION:	Minimum W/ Fall Till, high P, medium K, 6.0 pH, 6.6% OM, 28.6 CEC
PEST MANAGEMENT:	Acuron, Medal li Ec, Miravis Neo
FERTILITY - Applied N:	100 Fall, 45 Spring, 46 Sidedress, 10 lbs/acre of MicroSync
Applied N-P-K (units):	191-171-104
SEEDED - RATE - ROW:	May 3 35.7 /A 30" spacing
HARVESTED - STAND:	Oct 18 34.8 /A

TEST COMMENTS:

After some good moisture received during March-April, soils at planting were near ideal and produced good stands. But the theme for this area was the drought that progressed and grew more extreme throughout the season. Variability within fields was quite apparent between soils that held water well and those that didn't. The dry weather prevented foliar diseases from developing or having much effect. From planting through maturity, this farm was 13.6" below the 10-yr average. Stalk health at harvest was excellent and no lodging was observed among the hybrids at Shanon's farm.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Epley	E1540 ↗	CONV	105	252.1	17.7	1	35.8	1132	1
Rob-See-Co	RC5610-PCE ↗	PCE	106	251.9	18.0	1	35.2	1128	2
Wyffels	W3309 ↗	STXP	103	251.8	18.3	1	33.9	1125	3
Prairie Hybrids	4470 ↗	CONV	106	238.1	17.9	1	34.5	1067	4
Kruger	K0551DP ↗	VT2P	105	237.7	18.2	1	35.2	1063	5
Kruger	K0377SS ↗	STX	103	237.0	18.0	1	35.8	1062	7
Renk	RK628VT2P ↗	VT2P	102	236.4	17.6	1	34.5	1063	6
NuTech	63A5AM ↗	AM	103	233.4	17.8	1	35.2	1048	8
Rob-See-Co	RC5188-SSP ↗	STXP	101	233.0	17.5	1	34.5	1048	9
Viking Blue River	72-06 ↗	CONV	106	232.9	18.1	1	34.5	1042	10
Titan Pro	24-05 PCE ↗	PCE	105	232.9	18.8	1	36.5	1036	12
Wyffels	W3576RIB ↗	VT2P	103	230.4	17.5	1	34.5	1037	11
Wyffels	W4025RIB ↗	TRE	105	229.9	17.7	1	35.2	1033	13
Viking Blue River	84-04 ↗	CONV	104	229.5	17.9	1	34.5	1029	14
Titan Pro	34-04 DG2P ↗	VT2PDG	104	228.5	17.4	1	36.5	1029	15
Anderson	472SRC ↗	STX	106	227.3	18.2	1	33.9	1016	19
Anderson	528TRE ↗	TRE	102	227.0	17.5	1	33.2	1021	16
Titan Pro	84-01 ↗	CONV	101	226.3	17.3	1	35.2	1020	17
Integra	5443 DGVT2PRIB ↗	VT2PDG	104	226.0	17.4	1	35.2	1018	18
Augusta	A1956-PWE ↗	PCE	106	223.8	18.1	1	33.9	1002	20
Titan Pro	36-06 ↗	CONV	106	222.9	18.1	1	36.5	998	21
Renk	RK703PWE ↗	PCE	106	222.7	18.0	1	34.5	998	22
Pioneer	P0339Q GC ↗	QR	103	222.4	18.3	1	34.5	994	24
Rob-See-Co	RC5694-VT2P ↗	VT2P	106	221.8	17.9	1	33.9	994	25
Kruger	K0151SP ↗	STXP	101	221.0	17.4	1	33.9	996	23
Titan Pro	32-06 SSP ↗	STXP	106	220.8	18.5	1	35.8	985	28
Hefty	H5432 ↗	VT2P	104	220.7	18.2	1	34.5	987	27
Kruger	K0475SP ↗	STXP	104	220.1	17.6	1	34.5	989	26
DeKalb	DKC56-65RIB GC ↗	STX	106	219.8	18.4	1	34.5	981	30
Golden Harvest	G01B63-AA ↗	AA	101	219.2	17.9	1	34.5	983	29
PIONEER	P0622Q CK	QR	106	214.3	18.8	1	36.5	953	42
				Averages =	218.9	17.9	1	34.8	981
				LSD (0.10) =	14.2	0.4	ns		
				LSD (0.25) =	7.4	0.2	ns		
				C.V. =	6.1				
Corey Rozenboom				Historic yield: new site					
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: 10/18/2023

† 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] IONIA, IA
Shanon Maloy, Chickasaw County, IA

Full-Season Test	107 - 111 Day CRM B2023IANC02b
Top 30 of 54	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Soybeans / Boundary 6.5 Ec, Roundup Powermax, Tavium, Fusilade Dx, Roundup Powermax
SOIL DESCRIPTION:	Tripoli clay loam, moderately drained, non-irrigated
SOIL CONDITION:	Minimum W/ Fall Till, high P, medium K, 6.0 pH, 6.6% OM, 28.6 CEC
PEST MANAGEMENT:	Acuron, Medal li Ec, Miravis Neo
FERTILITY - Applied N:	100 Fall, 45 Spring, 46 Sidedress, 10 lbs/acre of MicroSync
Applied N-P-K (units):	191-171-104
SEEDED - RATE - ROW:	May 3 35.7 /A 30" spacing
HARVESTED - STAND:	Oct 18 34.7 /A

TEST COMMENTS:

After some good moisture received during March-April, soils at planting were near ideal and produced good stands. But the theme for this area was the drought that progressed and grew more extreme throughout the season. Variability within fields was quite apparent between soils that held water well and those that didn't. The dry weather prevented foliar diseases from developing or having much effect. From planting through maturity, this farm was 13.6" below the 10-yr average. Stalk health at harvest was excellent and no lodging was observed among the hybrids at Shanon's farm.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Kruger	K1139SS ↗	STX	111	280.7	20.9	1	33.2	1225	1
NuTech	68A9AM ↗	AM	108	265.1	18.8	1	34.5	1179	2
ProHarvest	79P87 SSRIB ↗	STX	109	257.3	19.8	1	34.5	1134	3
Hefty	H6064 ↗	STX	110	256.2	21.0	1	34.5	1117	4
Rob-See-Co	RC6131-SS ↗	STX	111	254.7	20.6	1	34.5	1115	5
Wyffels	W6886 ↗	VT2P	111	250.9	20.4	1	35.2	1100	9
Cornelius	C6847TRE ↗	TRE	108	250.7	19.0	1	34.5	1113	6
FS InVision	FS 6137PC ↗	PCE	111	249.7	20.8	1	34.5	1091	11
ProHarvest	81P88 TRERIB ↗	TRE	111	248.9	20.5	1	31.2	1090	12
Integra	CXINT108VT ↗	VT2P	108	248.9	18.6	1	36.5	1109	7
Kruger	K0957SP ↗	STXP	109	248.2	19.8	1	35.8	1094	10
NuTech	68C1Q ↗	QR	108	247.5	18.8	1	36.5	1101	8
Epley	E2120 ↗	CONV	111	245.8	20.0	1	34.5	1082	13
Wyffels	W5406 ↗	VT2P	108	245.8	19.9	1	34.5	1082	14
Golden Harvest	G10B61-AA ↗	AA	110	245.5	21.2	1	34.5	1069	17
Titan Pro	31-10 PCE ↗	PCE	110	243.9	19.9	1	35.8	1074	16
Kruger	K0783DP ↗	VT2P	107	242.4	18.5	1	34.5	1081	15
Kruger	K0915DD ↗	VT2PDG	109	239.8	18.9	1	35.2	1066	18
NuTech	70F6Q ↗	QR	110	239.7	19.8	1	35.2	1057	19
Pioneer	P1164AM GC ↗	AM	111	239.7	20.6	1	34.5	1049	21
Hefty	H5862 ↗	VT2P	108	238.9	21.1	1	35.2	1040	24
Hefty	H5952 ↗	VT2P	109	238.9	19.4	1	33.2	1057	20
Golden Harvest	G11V76-D ↗	D	111	237.4	20.8	1	35.2	1037	25
Renk	RK766SSPRO ↗	STXP	109	235.8	18.8	1	35.2	1049	22
Pioneer	P1185AM GC ↗	AM	111	235.3	20.3	1	35.2	1032	28
Integra	5802 VT2PRIB ↗	VT2P	108	235.0	18.8	1	33.9	1046	23
Viking Blue River	85-09 ↗	CONV	109	234.7	19.9	1	34.5	1033	27
Wyffels	W5019 ↗	STXP	107	234.0	19.2	1	34.5	1037	26
Pioneer	P0953AM GC ↗	AM	109	232.9	19.5	1	35.2	1030	29
Prairie Hybrids	5851 ↗	CONV	109	231.2	18.7	1	35.2	1030	30
PIONEER	P0622Q CK	QR	106	211.8	18.9	1	33.9	941	49
				Averages =	234.3	19.9	1	34.7	1032
				LSD (0.10) =	16.9	0.8	ns		
				LSD (0.25) =	8.9	0.4	ns		
				C.V. =	6.8				

Corey Rozenboom

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Yield & Income Factors:

Base Moisture = 15.0% Shrink = 1.3 Drying = \$0.04 Prices: GMO = \$4.60

Historic yield: new site

Report Date: 10/18/2023

† 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

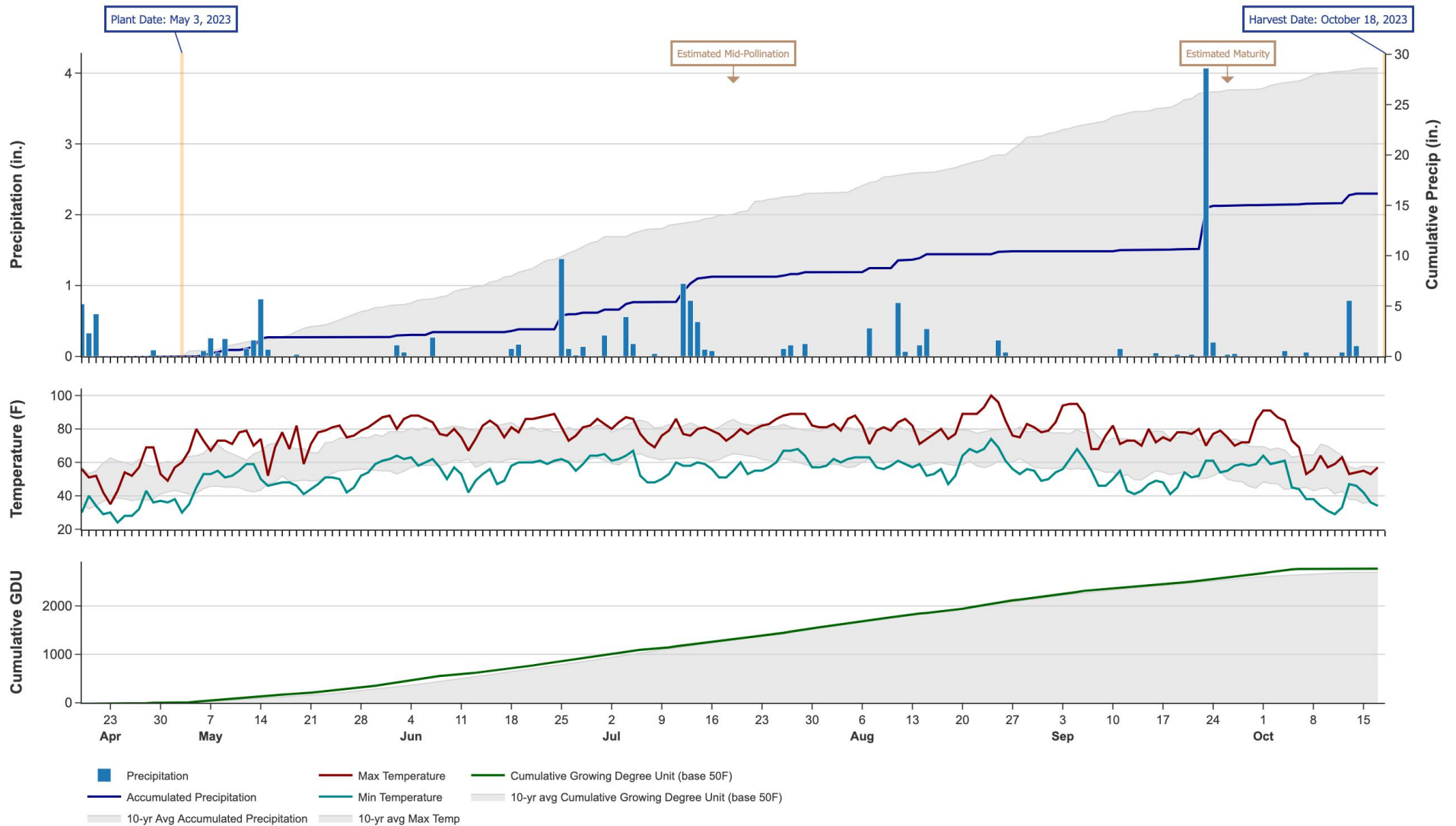
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2023 Corn - Iowa North Central [IANC]

Weather Conditions Summary at IONIA, IA

Monthly Total	Apr*	May	Jun	Jul	Aug	Sep	Oct*	Total
Precip (in) (Diff)	1.8 1.4 (+0.3)	1.9 5.6 (-3.7)	2.4 6.5 (-4.1)	4.0 4.8 (-0.8)	2.1 5.7 (-3.6)	4.6 4.6 (-0.1)	1.1 2.1 (-1.0)	17.9 30.8 (-12.8)
GDU Avg (Diff)	19 17 (+1)	374 310 (+63)	588 596 (-8)	597 673 (-76)	624 600 (+23)	468 428 (+39)	118 100 (+17)	2788 2727 (+60)



* 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 GC	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 GC	QR	Y	103	Lum, L1
Pioneer	P0622Q CK	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 Blue River	24-01	CONV	U	101	AC,P2
Viking Blue River	72-06	CONV	N	106	CM,C2,Sb
Viking Blue River	84-04	CONV	N	104	AC,P2
Viking Blue River	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 CK	QR	Y	106	Lum, L1
Pioneer	P0953AM GC	AM	Y	109	Lum, L1
Pioneer	P1164AM GC	AM	Y	111	Lum, L1
Pioneer	P1185AM GC	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 Blue River	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.