

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

2023 Corn Grain Top 30 Harvest Report

Iowa North Central [IANC] OSAGE, IA
Dale Hemann, Mitchell County, IA 50461

Early-Season Test	101 - 106 Day CRM B2023IANC03a
Top 30 of 60	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Soybeans / Enlist One
SOIL DESCRIPTION:	Klinger-Maxfield silty clay loam, well drained, non-irrigated
SOIL CONDITION:	Strip-Till, very high P, low K, 5.8 pH, 4.0% OM, 24.8 CEC
PEST MANAGEMENT:	Balance Flexx, Impactz, Miravis Neo
FERTILITY - Applied N:	21 Fall, 100 Spring, 100 Sidedress
Applied N-P-K (units):	221-57-45
SEEDED - RATE - ROW:	May 3 38.0 /A 30" spacing
HARVESTED - STAND:	Oct 17 35.3 /A

TEST COMMENTS:

Really wet...then really dry. Precipitation went from one extreme to the other at Dale's farm this season. This corn plot was planted in very good conditions on May 3. Then storms moved through from May 12-15 that dropped 6.5" of rain and completely saturated the soil profile. In soil types that were unable to drain well, the excessive water led to poor stands, and replanted fields in the Osage area were common. Then the faucet turned off for the rest of the growing season. June, July and August were very dry and each month experienced a 3.5" deficit of rainfall from normal. As expected, the D3 extreme drought conditions reduced yields. This farm ended 10.7" below the 10-yr average from planting through Sept 15.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Wyffels	W3309 ↗	STXP	103	249.9	19.3	1	38.5	1106	1
NuTech	63A5AM ↗	AM	103	246.8	18.1	1	36.5	1104	2
NuTech	66C2Q ↗	QR	106	241.3	20.2	1	33.2	1060	5
Viking Blue River	72-06 ↗	CONV	106	238.1	18.5	1	32.5	1062	3
Kruger	K0475SP ↗	STXP	104	237.7	18.3	1	36.5	1062	4
NuTech	66D1AM ↗	AM	106	237.6	19.5	1	32.5	1051	8
Prairie Hybrids	4470 ↗	CONV	106	236.2	17.9	1	37.8	1059	6
NuTech	64B5Q ↗	QR	104	236.1	19.2	1	35.2	1046	9
Rob-See-Co	RC5422-PCE ↗	PCE	104	235.7	18.3	1	35.8	1053	7
Titan Pro	32-06 SSP ↗	STXP	106	232.2	20.4	1	37.8	1018	19
NuTech	65D3Q ↗	QR	105	231.9	20.0	1	31.8	1021	17
Rob-See-Co	RC5188-SSP ↗	STXP	101	231.6	18.0	1	39.1	1038	10
Augusta	A2154 ↗	CONV	104	231.4	18.5	1	35.2	1032	12
Integra	5584 PWE ↗	PCE	105	231.3	19.2	1	33.8	1025	14
Cornelius	C6578PC ↗	PCE	105	230.9	18.9	1	35.2	1026	13
Viking Blue River	24-01 ↗	CONV	101	230.8	18.1	1	35.8	1033	11
Augusta	A1954 PCE ↗	PCE	104	230.7	19.1	1	38.5	1024	15
Viking Blue River	84-05 ↗	CONV	105	228.0	18.0	1	35.8	1022	16
FS InVision	FS 5335P RIB ↗	STXP	103	227.5	19.0	1	35.2	1010	22
Cornelius	C6472TRE ↗	TRE	104	227.3	17.7	1	35.8	1021	18
Titan Pro	24-05 PCE ↗	PCE	105	227.2	18.1	1	35.8	1017	20
Anderson	472SRC ↗	STX	106	226.9	18.9	1	34.5	1008	23
Titan Pro	34-04 DG2P ↗	VT2PDG	104	224.2	18.3	1	35.8	1001	24
Augusta	A1956-PWE ↗	PCE	106	223.2	18.8	1	33.2	992	26
FS InVision	FS 5594X RIB ↗	STX	105	222.6	18.6	1	38.5	992	27
Prairie Hybrids	3051ORG ↗	CONV	105	221.7	19.7	1	32.5	978	31
Integra	5443 DGVT2PRIB ↗	VT2PDG	104	221.3	17.7	1	37.1	994	25
Golden Harvest	G03B19-AA ↗	AA	103	221.2	17.9	1	37.1	992	28
Kruger	K0551DP ↗	VT2P	105	220.2	17.7	1	36.5	989	29
Wyffels	W2595 ↗	TRE	101	217.5	17.4	1	37.1	980	30
PIONEER	P0622Q CK	QR	106	229.2	19.4	1	34.5	1014	21

Corey Rozenboom

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corey.rozenboom@firstseedtests.com, (319) 830-8886

Averages = **219.5** **18.7** **1** **35.3** **977**

LSD (0.10) = 13.5 0.9 ns

LSD (0.25) = 7.1 0.5 ns

C.V. = 5.9 Historic yield: 209.86 bu/a, 10 yr(s)

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] OSAGE, IA
Dale Hemann, Mitchell County, IA 50461

Full-Season Test 107 - 111 Day CRM
B2023IANC03b

Top 30 of 54 For Gross Income
(Sorted by Yield)
Average of (3) Replications

PREV. CROP/HERB: Soybeans / Enlist One
SOIL DESCRIPTION: Klinger-Maxfield silty clay loam,
well drained, non-irrigated
SOIL CONDITION: Strip-Till, very high P, low K, 5.8
pH, 4.0% OM, 24.8 CEC
PEST MANAGEMENT: Balance Flexx, Impactz, Miravis
Neo
FERTILITY - Applied N: 21 Fall, 100 Spring, 100
Sidedress
Applied N-P-K (units): 221-57-45
SEEDED - RATE - ROW: May 3 38.0 /A 30" spacing
HARVESTED - STAND: Oct 17 33.9 /A

TEST COMMENTS:

Really wet...then really dry. Precipitation went from one extreme to the other at Dale's farm this season. This corn plot was planted in very good conditions on May 3. Then storms moved through from May 12-15 that dropped 6.5" of rain and completely saturated the soil profile. In soil types that were unable to drain well, the excessive water led to poor stands, and replanted fields in the Osage area were common. Then the faucet turned off for the rest of the growing season. June, July and August were very dry and each month experienced a 3.5" deficit of rainfall from normal. As expected, the D3 extreme drought conditions reduced yields. This farm ended 10.7" below the 10-yr average from planting through Sept 15.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
NuTech	68C1Q ↗	QR	108	271.6	21.0	1	25.9	1185	1
NuTech	70F6Q ↗	QR	110	253.2	21.4	1	37.2	1100	2
Renk	RK811PWE ↗	PCE	111	253.1	21.3	1	35.8	1100	3
Hefty	H6064 ↗	STX	110	253.0	24.1	1	29.9	1072	8
FS InVision	FS 5935X RIB ↗	STX	109	249.0	21.6	1	31.9	1080	5
Rob-See-Co	RC6131-SS ↗	STX	111	247.3	21.2	1	32.6	1077	6
Wyffels	W5019 ↗	STXP	107	244.9	19.5	1	31.9	1083	4
ProHarvest	79P87 SSRIB ↗	STX	109	244.2	20.1	1	37.8	1074	7
Augusta	A1958-DV ↗	DV	108	239.8	21.5	1	37.2	1041	10
Pioneer	P0953AM GC ↗	AM	109	239.7	21.2	1	33.8	1043	9
Pioneer	P1185AM GC ↗	AM	111	238.5	21.3	1	34.5	1037	11
Titan Pro	31-10 PCE ↗	PCE	110	237.6	21.7	1	37.1	1029	13
NuTech	70B4AM ↗	AM	110	237.0	21.2	1	36.5	1031	12
Cornelius	C7048SSP ↗	STXP	110	236.0	21.1	1	35.8	1028	14
Viking Blue River	85-09 ↗	CONV	109	235.3	21.3	1	37.2	1023	15
Kruger	K0957SP ↗	STXP	109	232.6	21.7	1	37.8	1008	18
Pioneer	P1164AM GC ↗	AM	111	232.2	21.7	1	31.8	1006	20
Wyffels	W6215 ↗	TRE	109	231.2	19.8	1	34.5	1019	17
Integra	6061 STXRIB ↗	STX	110	231.0	21.0	1	34.5	1007	19
NuTech	68A9AM ↗	AM	108	230.8	19.3	1	31.9	1022	16
Prairie Hybrids	5883 ↗	CONV	109	229.9	21.9	1	30.5	994	22
Golden Harvest	G11V76-D ↗	D	111	229.3	21.7	1	36.5	993	23
FS InVision	FS 6025X RIB ↗	STX	110	228.5	22.4	1	35.2	983	27
Renk	RK766SSPRO ↗	STXP	109	227.9	21.3	1	32.5	991	24
Renk	RK773TRE ↗	TRE	109	225.7	20.8	1	34.5	986	26
Titan Pro	30-10 ↗	CONV	110	224.4	21.5	1	36.5	974	29
Kruger	K0783DP ↗	VT2P	107	223.8	19.7	1	30.5	988	25
FS InVision	FS 6017V RIB ↗	VT2P	110	223.2	21.0	1	29.9	973	30
Rob-See-Co	RC5704-SSP ↗	STXP	107	223.0	20.0	1	37.2	981	28
Integra	CXINT108VT ↗	VT2P	108	218.5	18.8	1	37.8	972	31
PIONEER	P0622Q CK	QR	106	226.8	19.6	1	33.2	1001	21

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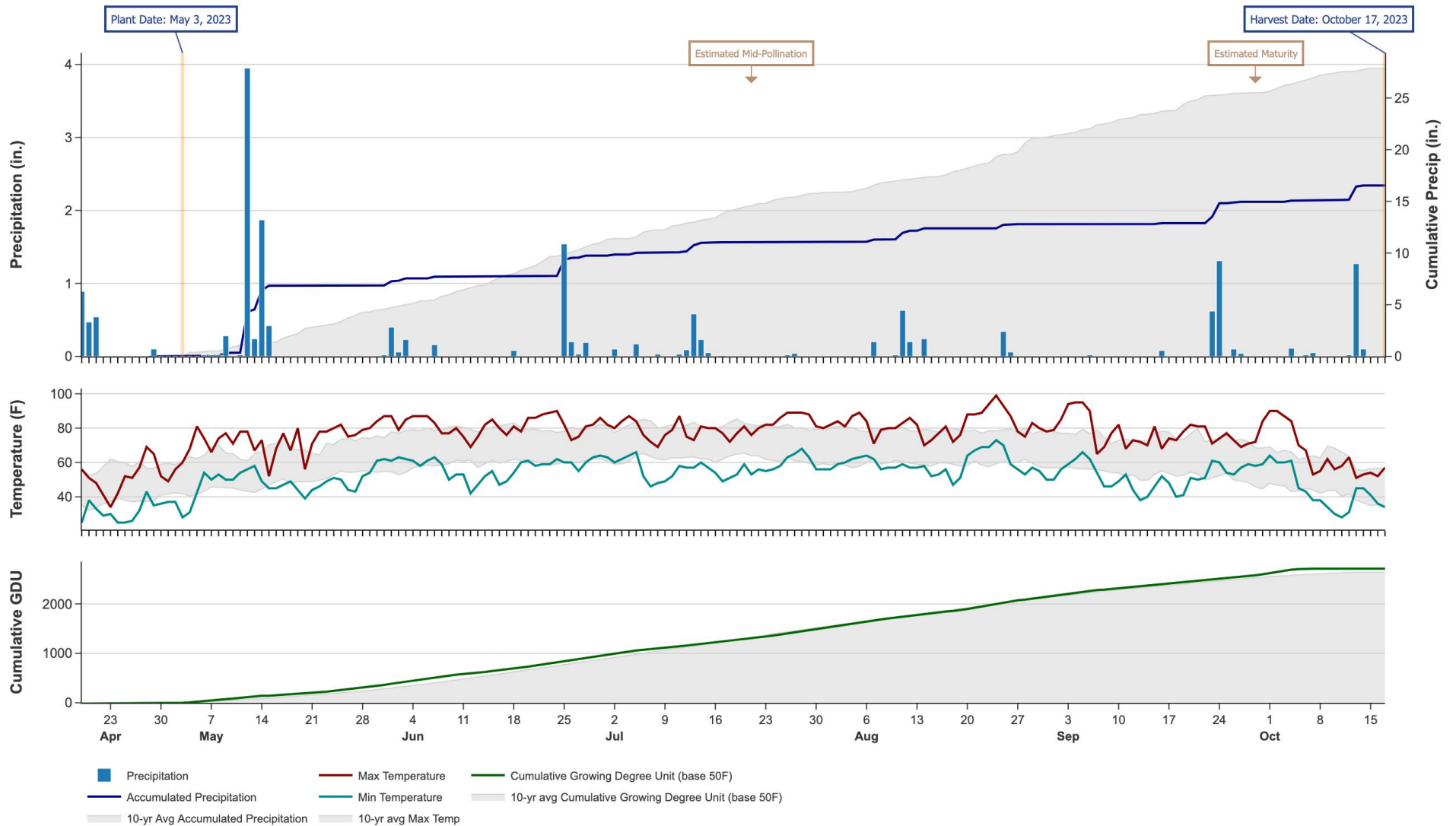
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2023 Corn - Iowa North Central [IANC]

Weather Conditions Summary at OSAGE, IA

Monthly Total	Apr*	May	Jun	Jul	Aug	Sep	Oct*	Total
Precip (in) (Diff)	2.0 1.5 (+0.5)	6.9 5.4 (+1.4)	2.9 6.4 (-3.5)	1.4 4.9 (-3.5)	1.7 5.3 (-3.6)	2.2 4.3 (-2.2)	1.6 2.4 (-0.8)	18.5 30.3 (-11.8)
GDU Avg (Diff)	17 0 (+17)	362 294 (+67)	580 584 (-4)	578 670 (-92)	620 592 (+27)	460 417 (+42)	112 93 (+18)	2729 2652 (+76)



* 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.