

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

2023 Corn Grain Top 30 Harvest Report

Iowa Northwest [IANW] LU VERNE, IA
Bob Plathe, Kossuth County, IA 50560

Early-Season Test	101 - 106 Day CRM B2023IANW05a
Top 30 of 60	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Corn / Harness, Impact
SOIL DESCRIPTION:	Ottosen clay loam, moderately drained, non-irrigated
SOIL CONDITION:	Minimum W/ Fall Till, high P, low K, 5.9 pH, 4.3% OM, 28.7 CEC
PEST MANAGEMENT:	Harness, Impact, Atrazine
FERTILITY - Applied N:	200 Spring, 2 tons/acre chicken litter applied fall 2022
Applied N-P-K (units):	200-46-60
SEEDED - RATE - ROW:	May 9 35.7 /A 30" spacing
HARVESTED - STAND:	Oct 18 34.1 /A

TEST COMMENTS:

This corn-on-corn plot on Bob's farm really took it in the chin this season. Dry weather made it difficult to move nitrogen and other nutrients into the crop. The effect was short ears overall, likely a result of limited NPK getting into the plants during key growth stages. Additionally, plants were particularly susceptible to lodging, and differences among hybrids were apparent. The dry weather also revealed wide soil variability deeper in the profile as drought conditions progressed through the season. Decent yields could be found in soils with good water-holding capacity, but corn in lighter ground suffered. Bob reported yields in other areas of his farms ranging from 50 bu/a in poor areas to 230 bu/a in the good areas. This farm ended 6.3" below the 10-yr average for rainfall. Use these results with caution as the variance is elevated in the results.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Wyffels	W3309 ↗	STXP	103	211.3	15.1	1	33.9	971	1
Titan Pro	32-06 SSP ↗	STXP	106	209.4	15.0	1	35.8	963	2
Hoegemeyer	7329AM ↗	AM	103	201.8	15.4	1	34.5	925	3
DeKalb	DKC105-33RIB GC ↗	STXP	105	196.3	15.8	1	31.2	896	4
FS InVision	FS 5594X RIB ↗	STX	105	194.6	15.2	1	32.6	894	5
DeKalb	DKC101-33RIB GC ↗	STXP	101	194.4	15.4	4	33.2	891	6
Augusta	A1954 PCE ↗	PCE	104	193.8	16.0	22	35.2	883	9
Dyna-Gro	D45SP33RIB ↗	STXP	105	193.6	15.5	1	33.9	887	8
Kruger	K0551DP ↗	VT2P	105	193.3	14.1	2	33.9	889	7
Viking Blue River	84-05 ↗	CONV	105	192.3	15.3	18	34.5	882	10
Integra	5584 PWE ↗	PCE	105	191.0	16.1	6	34.5	870	12
FS InVision	FS 5335P RIB ↗	STXP	103	190.3	14.6	4	33.9	875	11
Prairie Hybrids	3051ORG ↗	CONV	105	189.4	15.5	31	34.5	867	13
Kruger	K0377SS ↗	STX	103	188.2	15.8	2	35.2	859	14
Kruger	K0475SP ↗	STXP	104	185.6	15.6	1	31.9	849	16
DenBesten	DB34-06 ↗	CONV	106	185.2	16.5	5	35.2	841	18
Hoegemeyer	7549Q ↗	QR	105	185.1	16.0	7	33.9	844	17
Hefty	H5674 ↗	STXP	106	184.9	14.9	1	35.2	851	15
Hefty	H5442 ↗	VT2P	104	182.9	14.5	4	34.5	841	19
Augusta	A1956-PWE ↗	PCE	106	180.9	15.7	2	33.9	827	20
Golden Harvest	G06A27-D ↗	D	106	180.8	16.6	1	36.5	820	23
Prairie Hybrids	4470 ↗	CONV	106	179.8	15.3	5	35.2	825	21
Renk	RK625DGV2P ↗	VT2PDG	104	178.6	14.9	10	33.2	822	22
Wyffels	W4025RIB ↗	TRE	105	177.5	15.1	2	35.8	816	24
Augusta	A2154 ↗	CONV	104	176.3	15.4	7	33.9	808	25
Miller Hybrids	M06-62 ↗	CONV	106	176.2	15.4	1	34.5	808	26
Dyna-Gro	D44DC73RIB ↗	VT2PDG	104	175.1	14.8	12	34.5	805	27
Dyna-Gro	D41TC74RIB ↗	TRE	101	174.7	14.8	1	34.5	804	28
Titan Pro	34-04 DG2P ↗	VT2PDG	104	173.2	14.8	14	33.2	797	29
Viking Blue River	72-06 ↗	CONV	106	172.9	15.3	8	33.2	793	30
PIONEER	P0622Q CK	QR	106	146.5	17.6	1	33.2	659	57
				Averages =	172.8	15.4	6	34.1	792
				LSD (0.10) =	15.7	0.6	8		
				LSD (0.25) =	8.2	0.3	4		
				C.V. =	8.6				
				Historic yield: 193.34 bu/a, 20 yr(s)					

Corey Rozenboom

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Yield & Income Factors:

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

Report Date: 10/19/2023

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

2023 Corn Grain Top 30 Harvest Report

Iowa Northwest [IANW] LU VERNE, IA
Bob Plathe, Kossuth County, IA 50560

Full-Season Test 107 - 111 Day CRM
B2023IANW05b

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

PREV. CROP/HERB: Corn / Harness, Impact
SOIL DESCRIPTION: Ottosen clay loam, moderately drained, non-irrigated
SOIL CONDITION: Minimum W/ Fall Till, high P, low K, 5.9 pH, 4.3% OM, 28.7 CEC
PEST MANAGEMENT: Harness, Impact, Atrazine
FERTILITY - Applied N: 200 Spring, 2 tons/acre chicken litter applied fall 2022
Applied N-P-K (units): 200-46-60
SEEDED - RATE - ROW: May 9 35.7 /A 30" spacing
HARVESTED - STAND: Oct 18 33.0 /A

TEST COMMENTS:

This corn-on-corn plot on Bob's farm really took it in the chin this season. Dry weather made it difficult to move nitrogen and other nutrients into the crop. The effect was short ears overall, likely a result of limited NPK getting into the plants during key growth stages. Additionally, plants were particularly susceptible to lodging, and differences among hybrids were apparent. The dry weather also revealed wide soil variability deeper in the profile as drought conditions progressed through the season. Decent yields could be found in soils with good water-holding capacity, but corn in lighter ground suffered. Bob reported yields in other areas of his farms ranging from 50 bu/a in poor areas to 230 bu/a in the good areas. This farm ended 6.3" below the 10-yr average for rainfall. Use these results with caution as the variance is elevated in the results.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
FS InVision	FS 5935X RIB ↗	STX	109	188.9	18.4	8	31.9	843	1
Prairie Hybrids	5851 ↗	CONV	109	174.9	17.7	22	34.5	785	2
Renk	RK766SSPRO ↗	STXP	109	172.2	18.2	1	31.9	770	3
Miller Hybrids	M10-74 ↗	CONV	110	172.0	20.2	41	33.2	755	5
DenBesten	DB32-07 ↗	CONV	107	169.5	18.4	22	29.9	757	4
Integra	6061 STXRIB ↗	STX	110	167.4	17.6	1	33.9	753	6
Cornelius	C7048SSP ↗	STXP	110	167.2	18.9	3	33.9	743	7
Hoegemeyer	8110AM ↗	AM	111	167.0	20.0	37	33.9	735	9
FS InVision	FS 6025X RIB ↗	STX	110	166.4	19.5	23	32.6	735	10
Kruger	K1139SS ↗	STX	111	164.6	18.0	2	34.5	737	8
Hefty	H6064 ↗	STX	110	162.7	19.1	4	31.2	722	11
Renk	RK773TRE ↗	TRE	109	158.2	18.4	6	34.5	706	12
Integra	5704 SSSPRO ↗	STXP	107	157.9	20.6	1	31.2	691	16
Wyffels	W6886 ↗	VT2P	111	157.5	18.0	7	34.5	706	13
DeKalb	DKC108-64RIB GC ↗	STXP	108	156.6	17.4	5	31.9	705	14
Kruger	K0957SP ↗	STXP	109	154.3	17.9	9	33.8	692	15
Cornelius	C7021DP ↗	VT2P	110	153.5	18.2	19	34.5	686	17
LG Seeds	LG58C73-3110 ↗	3110	108	152.7	20.3	34	33.2	670	21
Hefty	H5862 ↗	VT2P	108	152.5	18.5	54	34.5	680	18
Wyffels	W5019 ↗	STXP	107	151.4	20.1	1	33.9	666	23
Hefty	H6042 RIB ↗	VT2P	110	151.4	18.5	18	31.9	675	20
FS InVision	FS 6017V RIB ↗	VT2P	110	150.0	17.3	12	35.2	676	19
Miller Hybrids	M09-63 ↗	CONV	109	148.4	18.0	10	33.8	665	24
Pioneer	P1185AM GC ↗	AM	111	144.8	18.4	5	33.9	646	25
LG Seeds	LG58C48VT2PRIB ↗	VT2P	108	142.4	16.5	30	33.9	646	26
FS InVision	FS 6137PC ↗	PCE	111	141.6	18.6	59	32.5	631	30
Titan Pro	31-10 PCE ↗	PCE	110	141.6	17.2	42	34.5	639	27
Hoegemeyer	8125AM ↗	AM	111	141.2	17.6	4	32.5	635	28
Wyffels	W6215 ↗	TRE	109	140.7	17.2	26	33.9	635	29
Pioneer	P0953AM GC ↗	AM	109	135.8	16.1	30	33.2	619	31
PIONEER	P0622Q CK	QR	106	148.3	17.4	17	32.6	668	22
				Averages =	141.2	18.4	25	33.0	630
				LSD (0.10) =	23.2	1.2	22		
				LSD (0.25) =	12.2	0.7	12		
				C.V. =	15.6				
Corey Rozenboom				Historic yield: 193.34 bu/a, 20 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: 10/19/2023

† 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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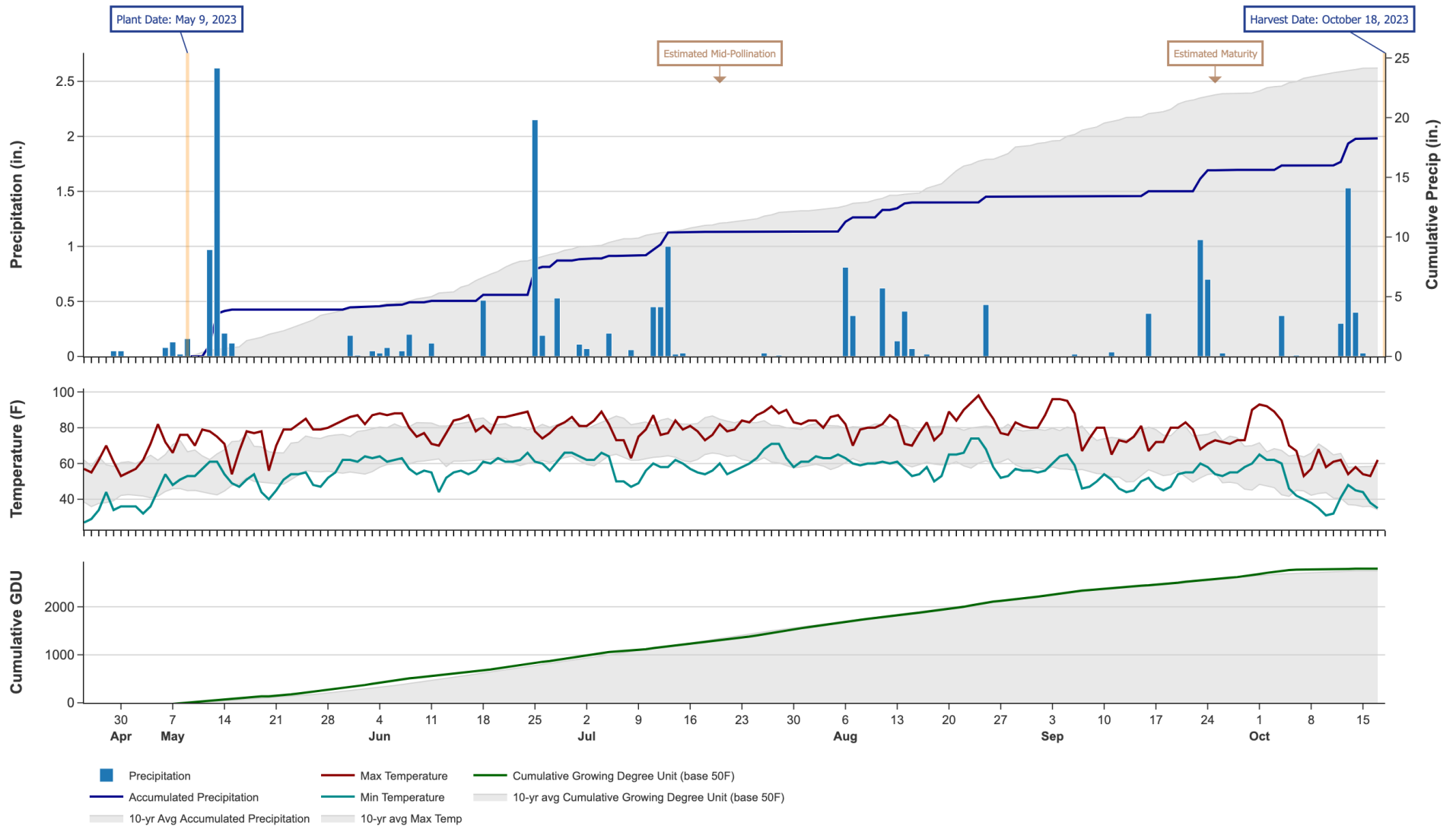
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2023 Corn - Iowa Northwest [IANW]

Weather Conditions Summary at LU VERNE, IA

Weather Data Retrieved: 10/19/2023

Monthly Total	Apr*	May	Jun	Jul	Aug	Sep	Oct*	Total
Precip (in) (Diff)	0.1 0.7 (-0.6)	4.5 5.4 (-0.9)	3.9 5.0 (-1.1)	2.4 3.2 (-0.8)	2.9 5.5 (-2.6)	2.2 4.4 (-2.2)	2.6 2.1 (+0.6)	18.8 26.3 (-7.6)
GDU Avg (Diff)	10 18 (-8)	400 317 (+82)	618 629 (-11)	612 697 (-85)	640 619 (+20)	465 450 (+14)	135 100 (+34)	2880 2833 (+46)



* 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 Northwest [IANW]

Early-Season Test Products (60 Total)

Company/Brand	Product/Brand	Technology	RIB	RM	Seed Treat.
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	C6384TRE	TRE	N	103	AC,P5V,EDC-EL
Cornelius	C6472TRE	TRE	N	104	AC,P5V,EDC-B
DeKalb	DKC101-33RIB GC	STXP	Y	101	AC,P5V,EDC-EL
DeKalb	DKC105-33RIB GC	STXP	Y	105	AC,P5V,EDC-EL
DeKalb	DKC52-18RIB GC	STX	Y	102	AC,P5V,EDC-EL
DeKalb	DKC52-99RIB GC	TRE	Y	102	AC,P5V,EDC-EL
DeKalb	DKC56-65RIB GC	STX	Y	106	AC,P5V,EDC-EL
DenBesten	DB32-02	CONV	N	102	CM,C2,Vi
DenBesten	DB33-05	CONV	N	105	CM,C2,Vi
DenBesten	DB34-06	CONV	N	106	CM,C2,Vi
Dyna-Gro	D41TC74RIB	TRE	Y*	101	AC,P5V
Dyna-Gro	D44DC73RIB	VT2PDG	Y	104	AC,P5V
Dyna-Gro	D45SP33RIB	STXP	Y	105	AC,P5V
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	G03B19-AA	AA	Y	103	CM,C5,Va
Golden Harvest	G06A27-D	D	Y	106	AVC,C1,Va
Hefty	H5432	VT2P	N	104	HC
Hefty	H5442	VT2P	N	104	HC
Hefty	H5655	TRE	N	106	HC
Hefty	H5674	STXP	Y	106	HC
Hoegemeyer	7329AM	AM	Y	103	Lum, L1
Hoegemeyer	7478AM	AM	Y	104	Lum, L1
Hoegemeyer	7549Q	QR	Y	105	Lum, L1
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
LG Seeds	LG51C62VT2RIB	VT2P	Y	101	Treated
LG Seeds	LG52C42VT2RIB	VT2P	Y	102	Treated
Miller Hybrids	M06-62	CONV	N	106	MSC
Miller Hybrids	RX03-47	CONV	N	103	MSC
Pioneer	P0339Q GC	QR	Y	103	Lum, L1
Pioneer	P0622Q CK	QR	Y	106	Lum, L1

Company/Brand	Brand/Product	Technology	RIB	RM	Seed Treat.
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
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
Viking Blue River	46-02	CONV	N	102	CM,C2,Sb
Viking Blue River	72-06	CONV	N	106	CM,C2,Sb
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 Northwest [IANW]

Full-Season Test Products (54 Total)

Company/Brand	Product/Brand	Technology	RIB	RM	Seed Treat.
Cornelius	C7021DP	VT2P	N	110	CM,C2,Vi,Va
Cornelius	C7048SSP	STXP	N	110	AC,P5V,EDC-EL
DeKalb	DKC107-33RIB GC	STXP	Y	107	AC,P5V,EDC-EL
DeKalb	DKC108-64RIB GC	STXP	Y	108	AC,P5V,EDC-EL
DeKalb	DKC110-10RIB GC	STX	Y	110	AC,P5V,EDC-EL
DeKalb	DKC59-82RIB GC	VT2P	Y	109	AC,P5V,EDC-EL
DenBesten	DB32-07	CONV	N	107	CM,C2,Vi
DenBesten	DB33-08	CONV	N	108	CM,C2,Vi
Dyna-Gro	D49VC53RIB	VT2P	Y*	109	AC,P5V
Dyna-Gro	D50VC09RIB	VT2P	Y*	110	AC,P5V
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-AA	AA	Y	111	CM,C5,Va
Hefty	H5862	VT2P	N	108	HC
Hefty	H5952	VT2P	N	109	HC
Hefty	H6042 RIB	VT2P	Y	110	HC
Hefty	H6064	STX	N	110	HC
Hoegemeyer	7858AM	AM	Y	108	Lum, L1
Hoegemeyer	8110AM	AM	Y	111	Lum, L1
Hoegemeyer	8125AM	AM	Y	111	Lum, L1
Integra	5704 SSSPRO	STXP	Y	107	AC,P5V
Integra	5802 VT2PRIB	VT2P	Y	108	AC,P5V,SU+Zn
Integra	6061 STXRIB	STX	Y	110	AC,P5V,SU+Zn
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
LG Seeds	LG58C48VT2PRIB	VT2P	Y	108	AC, PV
LG Seeds	LG58C73-3110	3110	N	108	Treated
Miller Hybrids	M08-49PC	PC	N	108	MSC
Miller Hybrids	M09-63	CONV	N	109	MSC
Miller Hybrids	M10-74	CONV	N	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

Company/Brand	Brand/Product	Technology	RIB	RM	Seed Treat.
Prairie Hybrids	5883	CONV	N	109	MQ
Renk	RK766SSPRO	STXP	N	109	AC,P5V,B300
Renk	RK773TRE	TRE	N	109	AC,P5V,B300
Renk	RK811PWE	PCE	N	111	Lum,P5V
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

3110	Agrisure® Viptera® 3110 (Vip, CB,LL,GT)
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
PC	PowerCore®
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, PV	Acceleron Unspecified, Poncho, Votivo
AVC,C1,Va	Avicta® Complete 1250 with Vayantis®
CM,C2	CruiserMaxx® 250
CM,C2,Sb	CruiserMaxx® 250, SabrEx Innoculant
CM,C2,Vi	CruiserMaxx® 250 with Vibrance
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
MSC	Miller Hybrids ShieldCoat™ with Vertex
Treated	Treated seed, unspecified

* Seed treatments may include unspecified plant health promoting components.