

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

2023 Corn Grain Top 30 Harvest Report

Iowa Northwest [IANW] PAULLINA, IA

Mark Hibbing, O'Brien County, IA 51046

Early-Season Test	101 - 106 Day CRM B2023IANW01a
Top 30 of 60	For Gross Income (Sorted by Yield) Average of (2) Replications
PREV. CROP/HERB:	Soybeans / Sonic, 2,4-D Lv6, Enlist One
SOIL DESCRIPTION:	Galva silty clay loam, well drained, non-irrigated
SOIL CONDITION:	Conventional W/O Fall Till, very high P, high K, 5.4 pH, 4.8% OM, 23.5 CEC
PEST MANAGEMENT:	Cadence, Balance Flexx, Atrazine 4l
FERTILITY - Applied N:	170 Spring
Applied N-P-K (units):	170-60-80
SEEDED - RATE - ROW:	May 10 35.7 /A 30" spacing
HARVESTED - STAND:	Oct 20 32.8 /A

TEST COMMENTS:

The dry season in O'Brien County revealed big differences in soil types between farms and within fields. Dry sub-soil pockets showed themselves this year and the impact on plant vigor was very noticeable in plant height, ear size and stalk diameter. An unforeseen gradient of soil water holding capacity was present between the different tests and caused more variability than expected. Affected replications were removed due to yield inconsistencies caused by small pockets of stressed and barren plants. Like the rest of northern Iowa, corn yields in O'Brien County followed the roller coaster of erratic weather. Fields that experienced regular rainfall had near-record yields. On the other hand, fields that missed the pop-up showers were well short of average yield expectations.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank	
Integra	5443 DGVT2PRIB ↗	VT2PDG	104	181.6	20.7	1	32.9	794	1	
Hoegemeyer	7329AM ↗	AM	103	174.3	19.1	1	35.8	774	2	
Augusta	A2154 ↗	CONV	104	173.2	19.4	1	33.9	766	3	
Renk	RK625DGVT2P ↗	VT2PDG	104	172.2	19.7	1	30.8	760	5	
DeKalb	DKC105-33RIB GC ↗	STXP	105	172.0	20.6	1	31.8	753	6	
Wyffels	W3576RIB ↗	VT2P	103	172.0	18.9	1	35.8	764	4	
DeKalb	DKC56-65RIB GC ↗	STX	106	167.1	20.0	1	33.8	736	7	
Cornelius	C6472TRE ↗	TRE	104	165.2	18.8	1	31.9	735	8	
Wyffels	W3309 ↗	STXP	103	163.5	19.2	1	31.9	724	9	
Viking Blue River	84-05 ↗	CONV	105	163.2	19.1	1	33.9	724	10	
Titan Pro	34-04 DG2P ↗	VT2PDG	104	162.5	19.1	1	33.8	721	11	
LG Seeds	LG52C42VT2RIB ↗	VT2P	102	162.0	21.3	1	31.9	704	16	
DeKalb	DKC52-99RIB GC ↗	TRE	102	160.9	18.9	1	33.8	715	12	
Wyffels	W4025RIB ↗	TRE	105	160.9	19.2	1	33.9	713	13	
Cornelius	C6384TRE ↗	TRE	103	160.5	19.7	1	32.9	708	15	
Dyna-Gro	D45SP33RIB ↗	STXP	105	159.9	19.0	1	33.8	710	14	
FS InVision	FS 5125L1A EZR ↗	AA	101	157.9	19.3	1	29.9	699	18	
Kruger	K0151SP ↗	STXP	101	157.5	18.9	1	34.8	700	17	
Renk	RK628VT2P ↗	VT2P	102	157.5	19.3	1	33.8	697	19	
Kruger	K0377SS ↗	STX	103	157.1	19.7	1	33.8	693	22	
Wyffels	W2629 ↗	STXP	101	156.3	18.6	1	34.8	696	20	
Miller Hybrids	RX03-47 ↗	CONV	103	155.9	18.7	3	33.8	694	21	
Wyffels	W2595 ↗	TRE	101	155.1	19.3	1	34.8	687	23	
Hefty	H5442 ↗	VT2P	104	154.7	18.9	1	31.9	687	24	
Prairie Hybrids	3051ORG ↗	CONV	105	154.1	19.9	1	32.8	679	28	
Viking Blue River	46-02 ↗	CONV	102	154.0	19.2	1	32.9	682	26	
Renk	RK707TRE ↗	TRE	105	153.6	21.5	1	32.8	667	29	
Hoegemeyer	7478AM ↗	AM	104	153.6	18.6	1	33.9	684	25	
Augusta	A1954 PCE ↗	PCE	104	153.0	19.0	1	35.8	680	27	
DeKalb	DKC101-33RIB GC ↗	STXP	101	148.7	17.9	1	34.8	667	30	
PIONEER	P0622Q CK	QR	106	146.2	21.3	1	30.9	636	35	
				Averages =	145.5	20.0	1	32.8	641	
				LSD (0.10) =	22.8	1.0	ns			
				LSD (0.25) =	11.9	0.5	ns			
				C.V. =	12.1					
Corey Rozenboom				Historic yield: 191.1 bu/a, 19 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: 10/21/2023

† 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 Northwest [IANW] PAULLINA, IA

Mark Hibbing, O'Brien County, IA 51046

Full-Season Test	107 - 111 Day CRM B2023IANW01b
Top 30 of 54	For Gross Income (Sorted by Yield) Average of (2) Replications
PREV. CROP/HERB:	Soybeans / Sonic, 2,4-D Lv6, Enlist One
SOIL DESCRIPTION:	Galva silty clay loam, well drained, non-irrigated
SOIL CONDITION:	Conventional W/O Fall Till, very high P, high K, 5.4 pH, 4.8% OM, 23.5 CEC
PEST MANAGEMENT:	Cadence, Balance Flexx, Atrazine 4l
FERTILITY - Applied N:	170 Spring
Applied N-P-K (units):	170-60-80
SEEDED - RATE - ROW:	May 10 35.7 /A 30" spacing
HARVESTED - STAND:	Oct 20 32.3 /A

TEST COMMENTS:

The dry season in O'Brien County revealed big differences in soil types between farms and within fields. Dry sub-soil pockets showed themselves this year and the impact on plant vigor was very noticeable in plant height, ear size and stalk diameter. An unforeseen gradient of soil water holding capacity was present between the different tests and caused more variability than expected. Affected replications were removed due to yield inconsistencies caused by small pockets of stressed and barren plants. Like the rest of northern Iowa, corn yields in O'Brien County followed the roller coaster of erratic weather. Fields that experienced regular rainfall had near-record yields. On the other hand, fields that missed the pop-up showers were well short of average yield expectations.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Integra	6061 STXRIB ↗	STX	110	204.4	24.5	1	31.9	862	1
Miller Hybrids	M10-74 ↗	CONV	110	192.3	24.0	1	32.9	815	3
FS InVision	FS 6133VDG RIB ↗	VT2PDG	111	191.6	23.9	1	30.9	814	4
Cornelius	C7021DP ↗	VT2P	110	188.9	23.7	1	31.9	804	5
Wyffels	W5019 ↗	STXP	107	188.1	20.2	1	31.8	826	2
Hefty	H6064 ↗	STX	110	183.0	24.3	1	36.8	773	6
Kruger	K1191DT ↗	TRE	111	182.1	24.0	1	33.8	772	7
Wyffels	W5406 ↗	VT2P	108	179.3	23.0	1	33.9	767	8
Wyffels	W6886 ↗	VT2P	111	178.6	23.9	1	30.9	758	9
Integra	5704 SSSPRO ↗	STXP	107	176.0	22.5	1	34.8	757	10
Kruger	K1139SS ↗	STX	111	175.0	23.5	1	30.9	745	13
Dyna-Gro	D50VC09RIB ↗	VT2P	110	173.2	22.2	1	32.8	747	11
DeKalb	DKC110-10RIB GC ↗	STX	110	172.7	22.2	1	32.8	745	14
FS InVision	FS 6025X RIB ↗	STX	110	172.6	24.7	1	31.9	727	17
DeKalb	DKC59-82RIB GC ↗	VT2P	109	170.1	22.7	1	30.9	730	15
Hoegemeyer	8125AM ↗	AM	111	170.0	22.7	1	31.8	729	16
Kruger	K0783DP ↗	VT2P	107	169.3	19.8	1	31.9	747	12
Hefty	H6042 RIB ↗	VT2P	110	169.1	23.7	1	29.9	719	19
DeKalb	DKC107-33RIB GC ↗	STXP	107	167.2	21.6	1	34.8	725	18
FS InVision	FS 6017V RIB ↗	VT2P	110	164.4	21.6	1	28.9	713	20
Wyffels	W6215 ↗	TRE	109	163.9	22.9	1	32.9	702	21
Integra	5802 VT2PRIB ↗	VT2P	108	161.6	22.2	1	34.8	697	23
Pioneer	P0953AM GC ↗	AM	109	160.4	21.3	1	35.8	698	22
Hoegemeyer	8110AM ↗	AM	111	157.5	23.6	1	30.9	670	27
Renk	RK773TRE ↗	TRE	109	157.4	22.9	1	32.8	674	24
Renk	RK766SSPRO ↗	STXP	109	157.1	23.3	1	28.9	671	26
Hefty	H5862 ↗	VT2P	108	156.8	23.5	1	34.8	668	28
Kruger	K0915DD ↗	VT2PDG	109	156.3	22.5	1	33.8	672	25
Dyna-Gro	D49VC53RIB ↗	VT2P	109	156.1	23.1	3	33.8	667	29
Pioneer	P1164AM GC ↗	AM	111	154.0	22.3	1	31.9	663	30
PIONEER	P0622Q CK	QR	106	151.3	21.1	1	29.9	659	34
				Averages =	156.4	22.7	1	32.3	671
				LSD (0.10) =	22.8	1.0	ns		
				LSD (0.25) =	11.9	0.5	ns		
				C.V. =	11.2				
Corey Rozenboom				Historic yield: 191.1 bu/a, 19 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: 10/21/2023

† 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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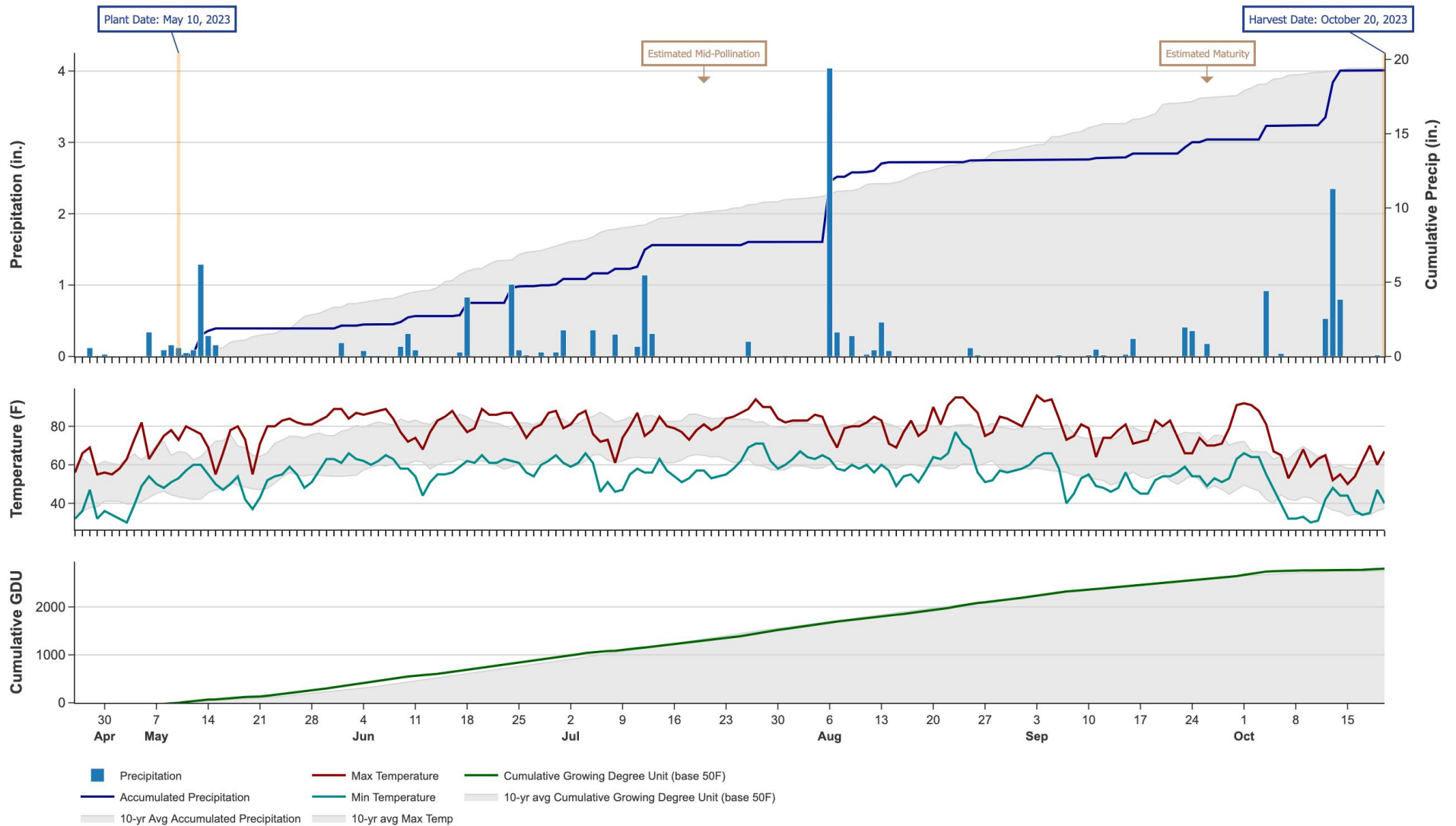
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2023 Corn - Iowa Northwest [IANW]

Weather Conditions Summary at PAULLINA, IA

Weather Data Retrieved: 10/21/2023

Monthly Total	Apr*	May	Jun	Jul	Aug	Sep	Oct*	Total
Precip (in) (Diff)	0.2 0.5 (-0.3)	2.6 4.7 (-2.1)	3.0 4.1 (-1.2)	2.9 3.1 (-0.3)	5.5 3.4 (+2.1)	1.4 3.6 (-2.2)	4.7 1.9 (+2.8)	20.1 21.3 (-1.2)
GDU Avg (Diff)	18 5 (+12)	408 312 (+95)	626 629 (-3)	591 704 (-113)	632 621 (+10)	472 451 (+20)	154 104 (+49)	2901 2829 (+71)



* 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.