

Test by: F.I.R.S.T. CCB, Inc. Elizabeth, IL

2021 Corn Grain Top 30 Harvest Report

Iowa East Central [IAEC] MUSCATINE, IA
Diaan Roos, Muscatine County, IA 52716

Early-Season Test	105 - 110 Day CRM B2021IAEC12a
Top 30 of 60	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Corn / Dual, Atrazine, Round Up, Status
SOIL DESCRIPTION:	Tama silt loam, well drained, non-irrigated
SOIL CONDITION:	Minimum W/O Fall Till, very high P, very high K, 5.8 pH, 4.0% OM, 14.0 CEC
PEST MANAGEMENT:	Callisto, Dual, Atrazine, Round Up, Status
FERTILITY - Applied N:	200 Spring
Applied N-P-K (units):	200-0-0
SEEDED - RATE - ROW:	Apr 28 35.0 /A 30" spacing
HARVESTED - STAND:	Oct 17 33.1 /A

TEST COMMENTS:

This was a very strong looking plot. Planting conditions were good and plants emerged well. Corn grew tall and ear sets were high on the plants with large girthy ears that were well pollinated. Very little tar spot could be seen. Plants were showing stalk weakness just below the ear, and some snapping over causing lodging. There were large sturdy cobs that made shelling easy.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
NuTech	69B9Q ↗	QR	109	299.5	16.9	1	32.9	1586	2
FS InVision	FS 6017V RIB ↗	VT2P	110	299.1	16.9	1	32.9	1583	3
NuTech	68A7AM ↗	AM	108	297.4	16.3	2	33.8	1579	4
Cornelius	C7004DP ↗	VT2P	110	295.3	16.7	1	33.8	1565	5
Four Star	6D52RIB ↗	VT2P	110	293.0	16.9	1	34.8	1551	6
Kruger	K0915DD ↗	VT2PDG	109	291.9	16.9	1	31.9	1545	7
Integra	6061 TRERIB ↗	TRE	110	286.4	17.8	3	34.8	1508	9
FS InVision	FS 5815V RIB ↗	VT2P	108	285.4	17.1	1	31.9	1509	8
Latham	LH 5646 PCE ↗	PC,E	106	283.8	16.9	1	32.9	1502	10
NuTech	70A8AM ↗	AM	110	283.8	16.9	1	33.8	1502	11
FS InVision	FS 5909D2A EZR ↗	5222A	109	283.0	17.9	1	32.9	1489	13
Hefty	H5952 ↗	VT2P	109	283.0	16.5	1	34.8	1501	12
Four Star	EXP 2201 ↗	VT2P	109	278.9	16.6	1	31.9	1479	14
Hefty	H6042 RIB ↗	VT2P	110	278.0	17.1	1	33.8	1470	18
Kruger	K0858DP ↗	VT2P	108	277.8	16.5	1	32.9	1474	15
Cornelius	C6812DP ↗	VT2P	108	277.7	16.6	2	33.8	1472	17
Kruger	K1005DP ↗	VT2P	110	277.7	16.6	3	33.8	1473	16
Integra	5719 VT2PRIB ↗	VT2P	107	275.8	16.2	2	32.9	1466	19
Latham	LH 6097 VT2P RIB ↗	VT2P	110	274.1	17.1	2	32.9	1449	20
Augusta	A1259-5222 ↗	5222	109	274.0	17.6	1	32.9	1445	21
Wyffels	W5778 ↗	STX	109	272.5	17.3	1	32.9	1439	24
Champion	58AZ1 VT2P GC ↗	VT2P	108	272.5	16.9	1	32.9	1443	22
Renk	RK805VT2P ↗	VT2P	110	271.3	16.3	2	33.8	1441	23
Integra	5802 VT2PRIB ↗	VT2P	108	270.9	16.8	1	33.8	1435	25
Latham	LH 5847 VT2P RIB ↗	VT2P	108	270.6	17.1	1	31.9	1431	27
Renk	RK782VT2P ↗	VT2P	109	270.0	16.6	3	33.8	1431	28
Titan Pro	94-09 2P ↗	VT2P	109	269.9	16.9	13	32.9	1429	29
Latham	LH 5725 VT2P RIB ↗	VT2P	107	269.7	16.1	1	32.9	1434	26
Kruger	KR-4608D ↗	VT2PDG	108	269.1	16.8	1	32.9	1425	30
Cornelius	C6936SS ↗	STX	109	268.6	17.0	3	33.8	1421	31
Pioneer	P0953AM CK	AM	109	301.5	17.0	1	32.9	1595	1
				Averages =	269.8	16.8	2	33.1	1429
				LSD (0.10) =	8.2	0.5	ns		
				LSD (0.25) =	4.3	0.3	ns		
				C.V. =	2.9				
				Historic yield: 213.42 bu/a, 10 yr(s)					

Randy Meinsma

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Yield & Income Factors: Base Moisture = 15.0% Shrink = 1.3 Drying = \$0.03 Prices: GMO = \$5.35

Report Date: 10/21/2021

† 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. ↗ New! Links to full product yield results at www.firstseedtests.com

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2021 Corn Grain Top 30 Harvest Report

Iowa East Central [IAEC] MUSCATINE, IA
Diaan Roos, Muscatine County, IA 52716

Full-Season Test	111 - 115 Day CRM B2021IAEC12b
Top 30 of 60	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Corn / Dual, Atrazine, Round Up, Status
SOIL DESCRIPTION:	Tama silt loam, well drained, non-irrigated
SOIL CONDITION:	Minimum W/O Fall Till, very high P, very high K, 5.8 pH, 4.0% OM, 14.0 CEC
PEST MANAGEMENT:	Callisto, Dual, Atrazine, Round Up, Status
FERTILITY - Applied N:	200 Spring
Applied N-P-K (units):	200-0-0
SEEDED - RATE - ROW:	Apr 28 35.0 /A 30" spacing
HARVESTED - STAND:	Oct 17 33.1 /A

TEST COMMENTS:

This was a very strong looking plot. Planting conditions were good and plants emerged well. Corn grew tall and ear sets were high on the plants with large girthy ears that were well pollinated. Very little tar spot could be seen. Plants were showing stalk weakness just below the ear, and some snapping over causing lodging. There were large sturdy cobs that made shelling easy.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Dyna-Gro	D55VC80 ↗	VT2P	115	308.0	18.4	1	32.9	1616	1
Hefty	H6354 ↗	STX	113	299.0	18.1	1	33.8	1572	3
FS InVision	FS 6595V RIB ↗	VT2P	115	294.4	17.6	1	32.9	1552	4
NuTech	72B7Q ↗	QR	112	292.2	17.8	1	33.8	1538	5
Kruger	K1501DP ↗	VT2P	115	290.3	17.1	2	32.9	1535	6
Renk	RK895DGV2P ↗	VT2PDG	113	290.1	18.1	1	32.9	1525	7
NuTech	74F3AM ↗	AM	114	288.9	18.1	1	32.9	1518	10
FS InVision	FS 6106X RIB ↗	STX	111	288.0	17.3	2	32.9	1521	8
Cornelius	C7366DGDP ↗	VT2PDG	113	287.7	18.2	2	31.9	1511	11
Cornelius	C7270DP ↗	VT2P	112	287.4	16.9	1	31.9	1521	9
LG Seeds	LG62C02VT2PRIB GC ↗	VT2P	112	287.0	17.9	1	32.9	1510	12
FS InVision	FS 6395VDG RIB ↗	VT2PDG	113	286.9	18.0	2	33.8	1509	13
Titan Pro	82-14 2P ↗	VT2P	114	284.9	18.5	1	33.8	1494	18
Cornelius	C7308SS ↗	STX	113	284.9	18.4	1	32.9	1495	16
Latham	LH 6146 TRE RIB ↗	TRE	111	284.1	17.7	1	31.9	1497	15
Wyffels	W7876RIB ↗	VT2P	114	283.7	17.7	5	33.8	1495	17
Armor	A1575 VT2P GC ↗	VT2P	115	283.4	18.4	1	33.8	1487	21
Wyffels	W7416 ↗	VT2P	112	283.3	17.0	1	33.8	1499	14
Kruger	K1160SS ↗	STX	111	282.7	17.5	1	33.8	1492	20
ProHarvest	82P29 VT2PRIB ↗	VT2P	112	281.6	16.6	2	31.9	1493	19
NuTech	74A9AM ↗	AM	114	281.5	18.3	2	32.9	1478	23
Integra	6555 VT2PRIB ↗	VT2P	114	281.2	17.6	1	31.9	1482	22
Renk	RK907SSTX ↗	STX	115	281.2	18.2	1	31.9	1477	24
ProHarvest	8360 VT2PRIB ↗	VT2P	113	280.4	17.9	2	33.8	1475	25
ProHarvest	83P33 DGV2PRIB ↗	VT2PDG	113	279.3	17.7	1	33.8	1471	26
Hefty	H6244 RIB ↗	STX	112	279.2	18.7	1	32.9	1463	31
Titan Pro	18-12 SS ↗	STX	112	279.1	17.7	1	33.8	1471	27
Pioneer	P1222AM GC ↗	AM	112	278.7	17.4	1	32.9	1471	28
Integra	6410 VT2PRIB ↗	VT2P	114	278.4	17.9	1	32.9	1465	29
Kruger	K1313DD ↗	VT2PDG	113	278.0	17.7	1	31.9	1465	30
Pioneer	P0953AM CK	AM	109	297.9	17.1	1	33.8	1575	2
				Averages =	278.1	17.7	2	33.1	1466
				LSD (0.10) =	9.3	0.5	2		
				LSD (0.25) =	4.9	0.3	1		
				C.V. =	3.2				
				Historic yield: 213.42 bu/a, 10 yr(s)					

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Yield & Income Factors: Base Moisture = 15.0% Shrink = 1.3 Drying = \$0.03 Prices: GMO = \$5.35

Report Date: 10/21/2021

† 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. ↗ New! Links to full product yield results at www.firstseedtests.com

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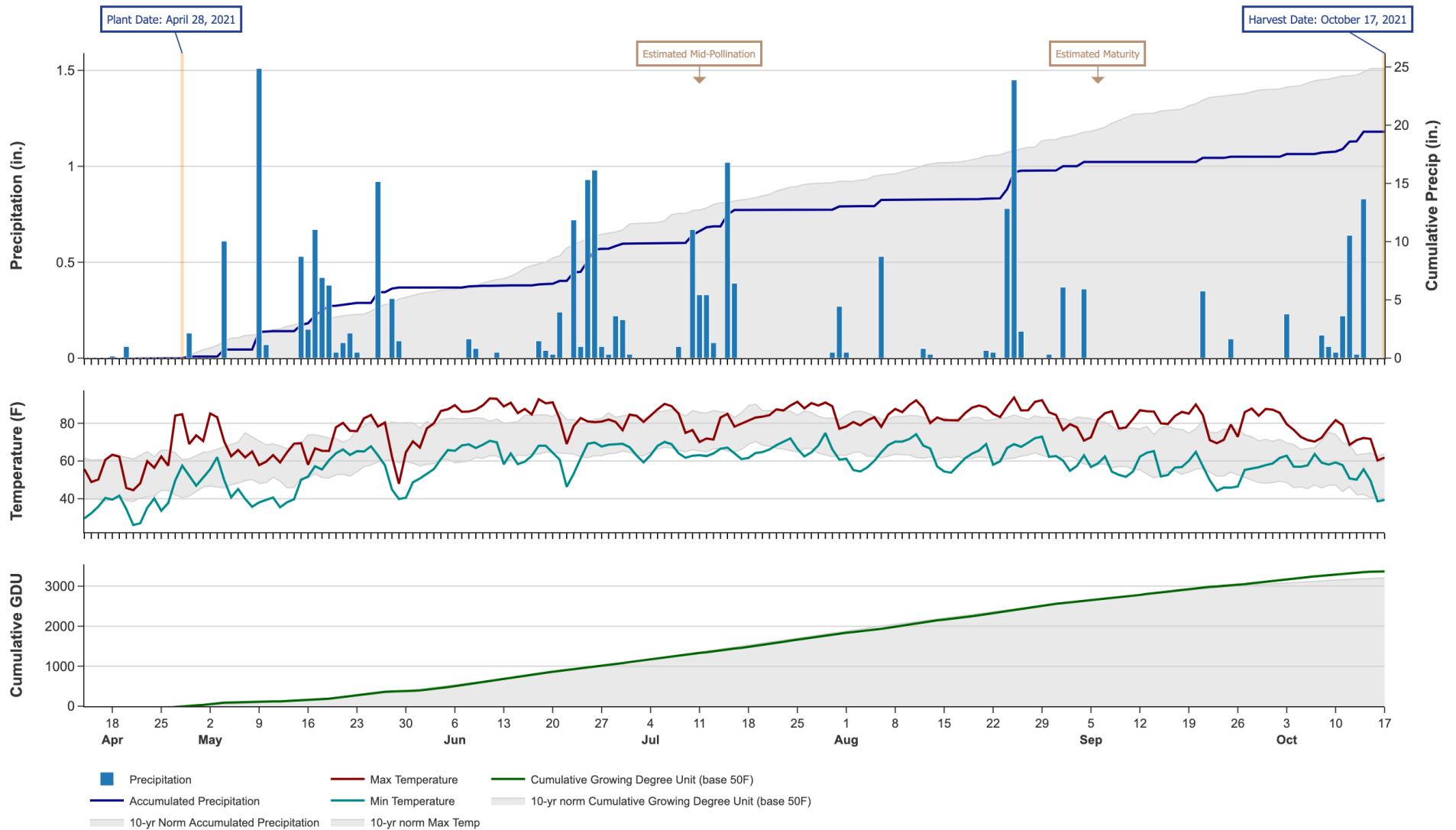
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2021 Corn - Iowa East Central [IAEC]

Weather Conditions Summary at MUSCATINE, IA

Weather Data Retrieved: 10/21/2021

Monthly Total	Apr*	May	Jun	Jul	Aug	Sep	Oct*	Total
Precip (in) Normal (Diff)	0.2 2.5 (-2.3)	5.9 4.9 (+1.0)	3.8 5.6 (-1.9)	3.2 4.2 (-1.0)	3.1 3.6 (-0.5)	1.2 4.3 (-3.1)	2.1 1.8 (+0.3)	19.5 26.9 (-7.4)
GDU Normal (Diff)	79 95 (-16)	363 397 (-34)	693 664 (+28)	739 785 (-46)	743 705 (+37)	555 488 (+66)	253 152 (+100)	3425 3289 (+135)



* 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.

2021 Corn - Iowa East Central [IAEC]

Early-Season Test Products (60 Total)

Company/Brand	Product/Brand	Technology	RIB	RM	Seed Treat.
Armor	A1044 SS GC	STX	N*	110	Treated
Augusta	A1059-3330GT	3330	N	109	CM,C2
Augusta	A1060-3330	3330	N	110	CM,C2
Augusta	A1259-5222	5222	N	109	CM,C2
Augusta	A1457-5122-EZ GC	5122	Y	107	AC,P2
Augusta	A4858-5122-EZ	5122	Y	108	CM,C2
Champion	58AZ1 VT2P GC	VT2P	N*	108	Treated
Cornelius	C575DP	VT2P	N	109	CM,C2,Vi
Cornelius	C6812DP	VT2P	N	108	AC,P5V
Cornelius	C6936SS	STX	N	109	AC,P5
Cornelius	C7004DP	VT2P	N	110	CM,C2,Vi
Dyna-Gro	D51VC67	VT2P	N	110	AC,P5V
Four Star	6D52RIB	VT2P	Y	110	AC,P2
Four Star	EXP 2201	VT2P	Y	109	AC,P5V,B-300
FS InVision	FS 5594X RIB	STX	Y	105	AC,P5V
FS InVision	FS 5704V RIB	VT2P	Y	107	AC,P5V
FS InVision	FS 5815V RIB	VT2P	Y	108	AC,P5V,EDC-EL
FS InVision	FS 5909D2A EZR	5222A	Y	109	AC,P5V
FS InVision	FS 6017V RIB	VT2P	Y	110	AC,P5V,EDC-EL
Hefty	H5812 RIB	VT2P	Y	108	HC
Hefty	H5832 RIB	VT2P	Y	108	HC
Hefty	H5944 RIB	STX	Y	109	HC
Hefty	H5952	VT2P	N	109	HC
Hefty	H6042 RIB	VT2P	Y	110	HC
Integra	5682 VT2PRIB	VT2P	Y	106	AC,P5V,EDC-B
Integra	5719 VT2PRIB	VT2P	Y	107	AC,P2,SU
Integra	5802 VT2PRIB	VT2P	Y	108	AC,P5V,EDC-B
Integra	6061 TRERIB	TRE	Y	110	AC,P5V,SU
Kruger	K0858DP	VT2P	Y	108	AC,P5,EDC
Kruger	K0915DD	VT2PDG	Y	109	AC,P5,EDC
Kruger	K1005DP	VT2P	Y	110	AC,P2
Kruger	K4R-9706	STX	Y	106	AC,P5V,EDC-B
Kruger	KR-4608D	VT2PDG	Y	108	AC,P2
Latham	LH 5646 PCE	PC,E	N	106	CM,C2,Vi
Latham	LH 5725 VT2P RIB	VT2P	Y	107	AC,P2
Latham	LH 5769 SS RIB	STX	Y	107	AC,P5V
Latham	LH 5847 VT2P RIB	VT2P	Y	108	AC,P2
Latham	LH 6097 VT2P RIB	VT2P	Y	110	AC,P2
LG Seeds	LG5525VTP2RIB GC	VT2P	Y	105	AC,P5V
NK Brand	NK0748-5122 EZR	5122	Y	107	AVC,C2,Vi
NK Brand	NK0877-3220 EZR	3220	Y	108	AVC,C5,Vi
NuTech	66C2Q	QR	Y	106	Lum,P1V

Company/Brand	Brand/Product	Technology	RIB	RM	Seed Treat.
NuTech	68A7AM	AM	Y	108	Lum,P1V
NuTech	69B9Q	QR	Y	109	Lum,P1V
NuTech	70A8AM	AM	Y	110	Lum,P1V
NuTech	70F2Q	QR	Y	110	Lum,P1V
Pioneer	P0953AM CK	AM	Y	109	Lum
Renk	RK700SSTX	STX	N	107	AC,P5V
Renk	RK710DGVT2P	VT2PDG	Y	107	AC,P2
Renk	RK765VT2PRIB	VT2P	Y	109	AC,P2
Renk	RK782VT2P	VT2P	N	109	AC,P5V
Renk	RK805VT2P	VT2P	N	110	AC,P2
Titan Pro	23-06 SS	STX	Y	106	AC,P5V
Titan Pro	94-09 2P	VT2P	Y	109	AC,P2
Titan Pro	96-06 2P	VT2P	Y	106	AC,P2
Wyffels	W4196RIB	VT2P	Y	105	AC,P2
Wyffels	W4246RIB	VT2P	Y	105	AC,P2
Wyffels	W4588	STX	N	105	AC,P5V
Wyffels	W5086RIB	VT2P	Y	107	AC,P2
Wyffels	W5778	STX	N	109	AC,P5V

* 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.

2021 Corn - Iowa East Central [IAEC]

Full-Season Test Products (60 Total)

Company/Brand	Product/Brand	Technology	RIB	RM	Seed Treat.
Armor	A1575 VT2P GC	VT2P	N	115	Treated
Cornelius	C7125DP	VT2P	N	111	CM,C2,Vi
Cornelius	C7270DP	VT2P	N	112	CM,C2,Vi
Cornelius	C7308SS	STX	N	113	P5V
Cornelius	C7366DGDP	VT2PDG	N	113	CM,C2,Vi
Dyna-Gro	D55VC80	VT2P	N	115	AC,P5V
Four Star	EXP 2202	VT2P	Y	111	AC,P5V,B-300
FS InVision	FS 6106X RIB	STX	Y	111	AC,P5V
FS InVision	FS 6194V RIB	VT2P	Y	111	AC,P5V
FS InVision	FS 6306T RIB	TRE	Y	113	AC,P5V
FS InVision	FS 6395VDG RIB	VT2PDG	Y	113	AC,P5V
FS InVision	FS 6595V RIB	VT2P	Y	115	AC,P5V
Hefty	H6132 RIB	VT2P	Y	111	HC
Hefty	H6244 RIB	STX	Y	112	HC
Hefty	H6252	VT2P	N	112	HC
Hefty	H6354	STX	N	113	HC
Hefty	H6552	VT2P	N	115	HC
Integra	6162 VT2PRIB	VT2P	Y	111	AC,P5V,EDC-B
Integra	6342 TRERIB	TRE	Y	113	AC,P5V,EDC-B
Integra	6410 VT2PRIB	VT2P	Y	114	AC,P5V,SU
Integra	6555 VT2PRIB	VT2P	Y	114	AC,P5V,SU
Kruger	K1160SS	STX	Y	111	AC,P5V,EDC-B
Kruger	K1191DT	TRE	Y	111	AC,P5,EDC
Kruger	K1313DD	VT2PDG	Y	113	AC,P5,EDC
Kruger	K1327DT	TRE	Y	113	AC,P5,EDC
Kruger	K1501DP	VT2P	Y	115	AC,P2
Latham	LH 6146 TRE RIB	TRE	Y	111	AC,P5V,EDC-B
Latham	LH 6149 SS RIB	STX	Y	111	AC,P5
Latham	LH 6227 VT2P RIB	VT2P	Y	112	AC,P2
Latham	LH 6317 VT2PDG RIB	VT2PDG	Y	113	AC,P2
Latham	LH 6477 VT2P RIB	VT2P	Y	114	AC,P2
LG Seeds	LG62C02VT2PRIB GC	VT2P	Y	112	AC,P5V
Midwest Genetics	MW12-48 DGV2P GC	VT2PDG	Y	112	AC,P2
NK Brand	NK1188-5122 EZR	5122	Y	111	AVC,C5,Vi
NK Brand	NK1321-3120 EZR	3120	Y	113	AVC,C5,Vi
NK Brand	NK1460-5222 EZR	5222	Y	114	AVC,C5,Vi
NuTech	71F5Q	QR	N	111	Lum,P1V
NuTech	72B7Q	QR	Y	112	Lum,P1V
NuTech	74A9AM	AM	Y	114	Lum,P1V
NuTech	74B6AM	AM	Y	114	Lum,P1V
NuTech	74F3AM	AM	Y	114	Lum,P1V
Pioneer	P0953AM CK	AM	Y	109	Lum

Company/Brand	Brand/Product	Technology	RIB	RM	Seed Treat.
Pioneer	P1222AM GC	AM	Y	112	Lum
ProHarvest	81P88 TRERIB	TRE	Y	111	AC,P5V
ProHarvest	82P29 VT2PRIB	VT2P	Y	112	AC,P5V
ProHarvest	8360 VT2PRIB	VT2P	Y	113	AC,P5V
ProHarvest	83P33 DGV2PRIB	VT2PDG	Y	113	AC,P5V
Renk	RK821SSTX	STX	N	111	AC,P5V
Renk	RK826VT2P	VT2P	N	111	AC,P5V
Renk	RK882TRE	TRE	N	111	AC,P2
Renk	RK895DGV2P	VT2PDG	N	113	AC,P5V
Renk	RK907SSTX	STX	N	115	AC,P5V
Titan Pro	12-12 2P	VT2P	Y	112	AC,P5
Titan Pro	18-12 SS	STX	Y	112	AC,P5V
Titan Pro	82-14 2P	VT2P	Y	114	AC,P2
Wyffels	W6978RIB	STX	Y	111	AC,P5V
Wyffels	W7416	VT2P	N	112	AC,P2
Wyffels	W7536DG	VT2PDG	N	112	AC,P2
Wyffels	W7876RIB	VT2P	Y	114	AC,P2
Wyffels	W7956RIB	VT2P	Y	114	AC,P2

* 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

[^] Innotech™ brand seed is distributed by Rob-See-Co, LLC. Power Plus® brand seed is distributed by Burrus. Innotech™ is a trademark of Syngenta. Power Plus® is a registered trademark of Corteva Agriscience.

CK Identifies a check product included in early- and full-season tests.

GC Grower Comparison product included by FIRST when space permits.

Corn Technologies

3120	Agrisure® 3120 (CB,HX,LL,GT)
3220	Agrisure® Viptera® 3220 (Vip,CB,HX,LL,GT)
3330	Agrisure® Viptera® 3330 (Vip,CB,LL,GT)
5122	Agrisure® Duracade™ 5122
5222	Agrisure® Duracade™ 5222
5222A	Agrisure® Duracade™ Artesian® 5222
AM	Optimum® AcreMax®
E	Enlist™ (2,4-D, glyphosate, fop herbicide tolerance)
PC	PowerCore™
QR	Qrome™
STX	SmartStax®
TRE	Genuity® Trecepta™
VT2P	Genuity® VT Double PRO®
VT2PDG	Genuity® VT Double PRO® DroughtGard®

NOTE: The refuge component genetics may vary in a refuge blend seed product.

Corn Seed Treatments*

NA	Not Available
AC,P2	Acceleron® 250
AC,P2,SU	Acceleron® 250, StepUp
AC,P5	Acceleron® 500
AC,P5,EDC	Acceleron® 500, Enhanced Disease Control
AC,P5V	Acceleron® Poncho 500/Votivo
AC,P5V,B-300	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	Acceleron® Poncho 500/Votivo, StepUp
AVC,C2,Vi	Avicta® Complete 250, Vibrance®
AVC,C5,Vi	Avicta® Complete 500, Vibrance
CM,C2	CruiserMaxx® 250
CM,C2,Vi	CruiserMaxx® 250 with Vibrance
HC	Hefty Complete
Lum	LumiGEN™ (Corteva Agriscience)
Lum,P1V	LumiGEN™ Poncho 1250/Votivo
P5V	Poncho 500/Votivo
Treated	Treated seed, unspecified

* Seed treatments may include unspecified plant health promoting components.