

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

2021 Corn Grain Top 30 Harvest Report

Iowa East Central [IAEC] WASHINGTON, IA
Tom Vittetoe, Washington County, IA 52353

Early-Season Test	105 - 110 Day CRM B2021IAEC16a
Top 30 of 60	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Soybeans / 2-4d, Dual, Power Max, Sonic, Liberty, Cadet
SOIL DESCRIPTION:	Taintor sandy clay loam, mod. well drained, non-irrigated
SOIL CONDITION:	No-Till, very high P, very high K, 6.0 pH, 4.4% OM, 18.2 CEC
PEST MANAGEMENT:	Round Up, Atrazine, Callisto, Harness Xtra
FERTILITY - Applied N:	60 Spring, 70 Planter, 66 Sidedress
Applied N-P-K (units):	196-11-3
SEEDED - RATE - ROW:	Apr 26 35.0 /A 30" spacing
HARVESTED - STAND:	Oct 4 33.4 /A

TEST COMMENTS:

The plot was planted right after starter was applied and emerged well. Dry conditions caused disease pressure on plants: grey leaf, rust, eye spot and tar spot could be seen. Anthracnose caused major lodging issues in some hybrids, and some tip back on pollination could be seen. The location was used before for the plot and performed better than this year. Conditions set yields back in the area but after the Vittetoe's started the combines, it was better than they expected with the rough conditions during the growing season.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
NuTech	69B9Q ↗	QR	109	264.6	17.9	3	31.9	1392	2
Four Star	EXP 2201 ↗	VT2P	109	264.1	17.5	20	31.9	1393	1
NuTech	68A7AM ↗	AM	108	263.3	17.7	6	34.8	1388	3
NuTech	66C2Q ↗	QR	106	262.2	17.6	3	33.8	1383	5
Augusta	A1259-5222 ↗	5222	109	258.9	20.9	13	33.8	1339	7
NuTech	70F2Q ↗	QR	110	255.2	18.1	1	32.9	1342	6
Latham	LH 6097 VT2P RIB ↗	VT2P	110	253.3	18.1	28	31.9	1331	8
Wyffels	W5778 ↗	STX	109	251.6	18.1	7	32.9	1323	9
FS InVision	FS 5815V RIB ↗	VT2P	108	249.9	17.5	18	32.9	1318	10
Dyna-Gro	D51VC67 ↗	VT2P	110	247.0	16.6	12	32.9	1309	11
Hefty	H5944 RIB ↗	STX	109	245.4	17.0	4	32.9	1298	12
NuTech	70A8AM ↗	AM	110	245.1	19.0	6	33.8	1282	15
NK Brand	NK0877-3220 EZR ↗	3220	108	245.1	19.6	1	33.8	1277	17
Renk	RK700SSTX ↗	STX	107	244.6	18.3	6	32.9	1284	14
Kruger	K0915DD ↗	VT2PDG	109	244.5	16.4	31	33.8	1298	13
Augusta	A4858-5122-EZ ↗	5122	108	242.4	17.4	35	33.8	1279	16
Armor	A1044 SS GC ↗	STX	110	241.9	18.5	18	33.8	1269	18
Cornelius	C6812DP ↗	VT2P	108	240.8	17.7	32	32.9	1269	19
FS InVision	FS 5594X RIB ↗	STX	105	239.3	17.9	1	33.8	1260	20
Cornelius	C6936SS ↗	STX	109	234.6	18.7	27	33.8	1229	21
Hefty	H5832 RIB ↗	VT2P	108	233.6	18.7	5	31.9	1224	24
Renk	RK782VT2P ↗	VT2P	109	233.4	19.2	25	32.9	1219	25
Kruger	K4R-9706 ↗	STX	106	232.2	18.4	4	33.8	1219	26
Kruger	K0858DP ↗	VT2P	108	232.1	17.0	9	32.9	1228	22
Hefty	H5812 RIB ↗	VT2P	108	231.0	16.5	15	33.8	1225	23
Latham	LH 5769 SS RIB ↗	STX	107	230.6	17.6	4	33.8	1216	27
Cornelius	C7004DP ↗	VT2P	110	230.1	17.3	20	33.8	1215	28
FS InVision	FS 5704V RIB ↗	VT2P	107	230.0	17.3	6	34.8	1215	29
Renk	RK805VT2P ↗	VT2P	110	228.4	17.4	14	33.8	1205	31
Kruger	KR-4608D ↗	VT2PDG	108	228.3	16.8	11	33.8	1209	30
Pioneer	P0953AM CK	AM	109	264.0	18.3	5	32.9	1386	4
				Averages =	232.7	18.2	15	33.4	1223
				LSD (0.10) =	8.9	1.4	15		
				LSD (0.25) =	4.7	0.7	8		
				C.V. =	3.6				
				Historic yield: 219.49 bu/a, 18 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: 10/09/2021

† 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] WASHINGTON, IA
Tom Vittetoe, Washington County, IA 52353

Full-Season Test	111 - 115 Day CRM B2021IAEC16b
Top 30 of 60	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Soybeans / 2-4d, Dual, Power Max, Sonic, Liberty, Cadet
SOIL DESCRIPTION:	Taintor sandy clay loam, mod. well drained, non-irrigated
SOIL CONDITION:	No-Till, very high P, very high K, 6.0 pH, 4.4% OM, 18.2 CEC
PEST MANAGEMENT:	Round Up, Atrazine, Callisto, Harness Xtra
FERTILITY - Applied N:	60 Spring, 70 Planter, 66 Sidedress
Applied N-P-K (units):	196-11-3
SEEDED - RATE - ROW:	Apr 26 35.0 /A 30" spacing
HARVESTED - STAND:	Oct 4 33.4 /A

TEST COMMENTS:

The plot was planted right after starter was applied and emerged well. Dry conditions caused disease pressure on plants: grey leaf, rust, eye spot and tar spot could be seen. Anthracnose caused major lodging issues in some hybrids, and some tip back on pollination could be seen. The location was used before for the plot and performed better than this year. Conditions set yields back in the area but after the Vittetoe's started the combines, it was better than they expected with the rough conditions during the growing season.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
NuTech	74F3AM ↗	AM	114	278.0	19.7	2	32.9	1448	1
Titan Pro	82-14 2P ↗	VT2P	114	277.5	21.4	2	32.9	1431	2
NuTech	74B6AM ↗	AM	114	270.1	20.1	13	32.9	1404	4
Midwest Genetics	MW12-48 DGVT2P GC ↗	VT2PDG	112	269.8	17.8	25	33.8	1421	3
Latham	LH 6477 VT2P RIB ↗	VT2P	114	269.5	22.3	2	34.8	1383	7
ProHarvest	8360 VT2PRIB ↗	VT2P	113	266.3	21.3	7	34.8	1375	10
NuTech	72B7Q ↗	QR	112	266.2	20.2	1	32.9	1382	8
Hefty	H6244 RIB ↗	STX	112	265.8	18.9	7	32.9	1391	5
FS InVision	FS 6395VDG RIB ↗	VT2PDG	113	265.2	18.5	21	33.8	1391	6
Wyffels	W7956RIB ↗	VT2P	114	262.2	19.0	6	33.8	1371	11
Integra	6555 VT2PRIB ↗	VT2P	114	262.0	17.9	1	32.9	1379	9
Wyffels	W6978RIB ↗	STX	111	261.4	18.7	4	32.9	1369	12
Renk	RK826VT2P ↗	VT2P	111	259.7	18.7	15	31.9	1361	14
LG Seeds	LG62C02VT2PRIB GC ↗	VT2P	112	259.6	17.7	11	32.9	1368	13
Wyffels	W7876RIB ↗	VT2P	114	258.7	19.0	6	33.8	1353	15
Titan Pro	18-12 SS ↗	STX	112	258.4	19.2	7	33.8	1350	17
Hefty	H6552 ↗	VT2P	115	256.5	21.1	2	33.8	1325	21
Cornelius	C7270DP ↗	VT2P	112	255.6	17.6	7	33.8	1348	18
Latham	LH 6149 SS RIB ↗	STX	111	255.6	18.8	2	32.9	1338	19
Pioneer	P1222AM GC ↗	AM	112	255.0	19.9	4	32.9	1327	20
Kruger	K1501DP ↗	VT2P	115	253.3	21.1	22	33.8	1309	24
Hefty	H6354 ↗	STX	113	252.8	18.7	4	34.8	1324	22
Dyna-Gro	D55VC80 ↗	VT2P	115	250.5	20.6	4	33.8	1298	25
NK Brand	NK1188-5122 EZR ↗	5122	111	249.0	18.0	7	34.8	1310	23
FS InVision	FS 6194V RIB ↗	VT2P	111	247.9	19.4	6	34.8	1293	27
NuTech	71F5Q ↗	QR	111	246.3	19.3	5	31.9	1286	28
Integra	6342 TRERIB ↗	TRE	113	245.7	19.3	2	32.9	1283	29
FS InVision	FS 6306T RIB ↗	TRE	113	245.7	17.7	7	33.8	1294	26
Integra	6162 VT2PRIB ↗	VT2P	111	243.2	17.7	22	32.9	1281	30
Kruger	K1160SS ↗	STX	111	240.8	16.3	5	31.9	1279	31
Pioneer	P0953AM CK	AM	109	258.6	19.0	9	32.9	1352	16
				Averages =	246.3	19.3	10	33.4	1286
				LSD (0.10) =	9.4	1.4	11		
				LSD (0.25) =	4.9	0.7	6		
				C.V. =	3.6				
				Historic yield: 219.49 bu/a, 18 yr(s)					



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Yield & Income Factors:

Base Moisture = 15.0%

Shrink = 1.3

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Prices: GMO = \$5.35

Report Date: 10/09/2021

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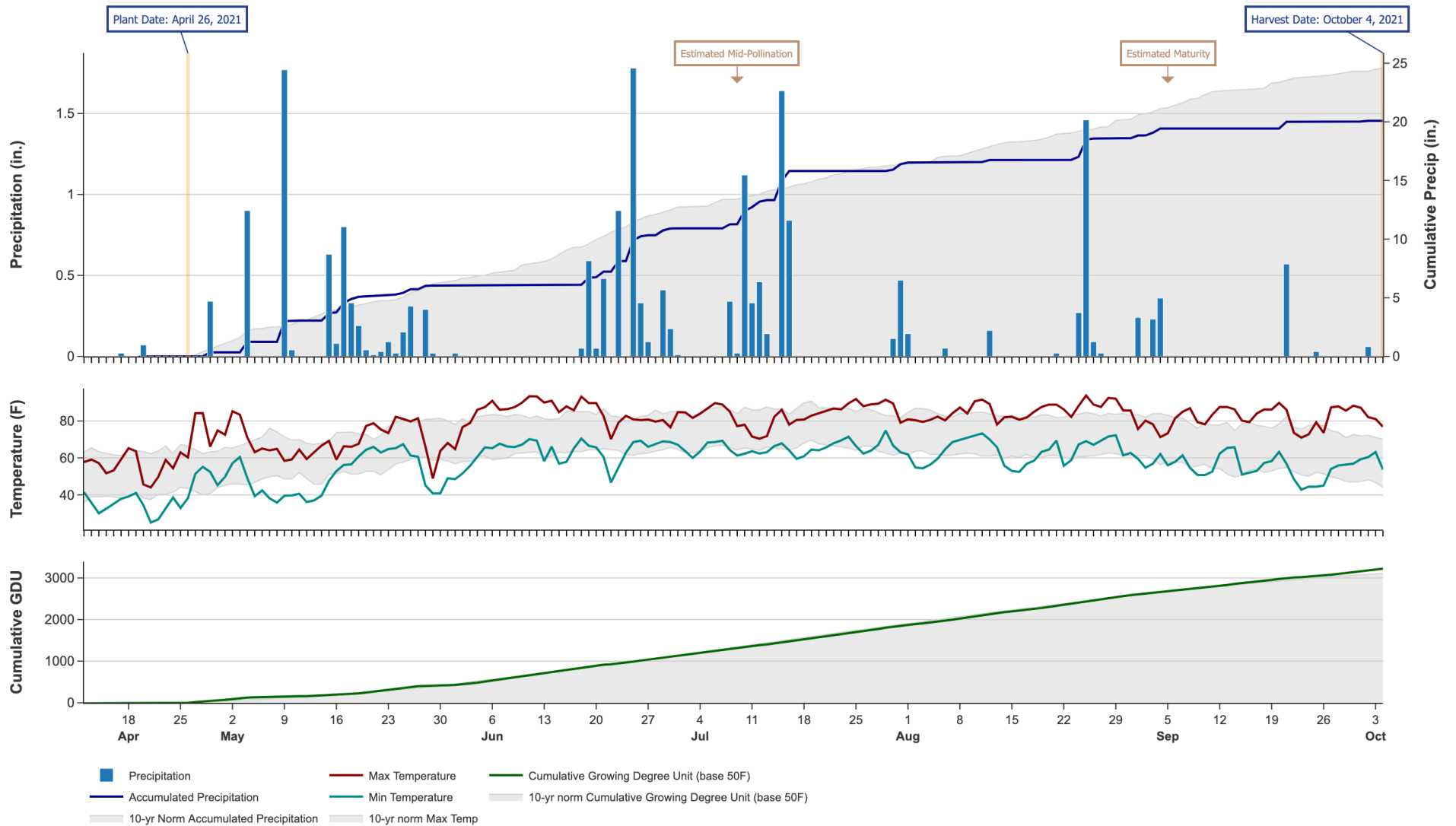
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2021 Corn - Iowa East Central [IAEC]

Weather Conditions Summary at WASHINGTON, IA

Weather Data Retrieved: 10/09/2021

Monthly Total	Apr*	May	Jun	Jul	Aug	Sep	Oct*	Total
Precip (in) Normal (Diff)	0.4 2.6 (-2.2)	5.7 5.5 (+0.2)	4.9 6.1 (-1.3)	5.5 3.9 (+1.6)	2.2 3.8 (-1.6)	1.4 4.1 (-2.7)	0.1 0.3 (-0.2)	20.2 26.4 (-6.2)
GDU Normal (Diff)	74 112 (-38)	363 405 (-42)	687 673 (+13)	742 780 (-38)	735 697 (+37)	554 483 (+70)	81 42 (+38)	3236 3195 (+40)



* 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 DGVT2P 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 DGVT2PRIB	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	RK895DGVT2P	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.