

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

2021 Corn Grain Top 30 Harvest Report

Iowa East Central [IAEC] SULLY, IA
Lawrence & Mike Van Zee, Jasper County, IA 50219

Early-Season Test	105 - 110 Day CRM B2021IAEC13a
Top 30 of 60	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Soybeans / Round Up, Extendimax
SOIL DESCRIPTION:	Mahaska, Otley silty clay, mod. well drained, non-irrigated
SOIL CONDITION:	No-Till, very high P, very high K, 6.2 pH, 4.1% OM, 15.7 CEC
PEST MANAGEMENT:	Acuron, Silencer, Onward, Propaz
FERTILITY - Applied N:	145 Spring, 32% used with pre emerge spray
Applied N-P-K (units):	145-0-0
SEDED - RATE - ROW:	May 2 35.0 /A 30" spacing
HARVESTED - STAND:	Oct 8 34.6 /A

TEST COMMENTS:

Planting conditions were very good and plants emerged strong. This location held what moisture it received and performed well. Plants were tall and ear set was high on the stalks. Ears were large and girthy with large seed depth. Plants stood strong with no lodging issues, and cobs were strong and made shelling the big ears easy. Outstanding plot to look at, plant leaves showed some rust, eyespots, and a small amount of tar spots. Mike informed me that his records showed 27 inches of rainfall this year with 13.4 during planting to harvest.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Hefty	H5944 RIB ↗	STX	109	298.7	18.2	1	34.8	1569	1
Kruger	K0915DD ↗	VT2PDG	109	294.9	17.8	1	34.8	1553	2
Cornelius	C6812DP ↗	VT2P	108	284.6	17.9	1	33.8	1498	4
Cornelius	C6936SS ↗	STX	109	284.3	18.3	1	34.8	1493	5
NuTech	70A8AM ↗	AM	110	283.3	17.9	1	34.8	1491	6
Dyna-Gro	D51VC67 ↗	VT2P	110	282.9	17.9	1	33.8	1489	7
NuTech	66C2Q ↗	QR	106	282.7	16.3	1	34.8	1502	3
Renk	RK782VT2P ↗	VT2P	109	281.6	18.3	1	34.8	1479	8
Hefty	H5812 RIB ↗	VT2P	108	278.1	18.4	1	34.8	1459	12
Kruger	K1005DP ↗	VT2P	110	277.8	18.1	1	34.8	1461	10
Integra	6061 TRERIB ↗	TRE	110	276.5	18.2	2	34.8	1453	16
Integra	5802 VT2PRIB ↗	VT2P	108	276.2	17.0	1	34.8	1461	11
Latham	LH 5725 VT2P RIB ↗	VT2P	107	275.8	17.3	1	34.8	1456	13
Four Star	EXP 2201 ↗	VT2P	109	275.0	17.1	1	33.8	1454	15
Renk	RK805VT2P ↗	VT2P	110	274.9	16.9	1	34.8	1455	14
FS InVision	FS 5909D2A EZR ↗	5222A	109	274.9	19.1	1	34.8	1437	21
Kruger	KR-4608D ↗	VT2PDG	108	274.9	18.4	1	34.8	1443	19
Kruger	K0858DP ↗	VT2P	108	274.0	17.3	1	34.8	1447	17
FS InVision	FS 6017V RIB ↗	VT2P	110	273.9	17.3	1	34.8	1447	18
Augusta	A1060-3330 ↗	3330	110	273.5	18.6	1	33.8	1434	22
Renk	RK700SSTX ↗	STX	107	273.1	18.7	1	34.8	1430	23
Wyffels	W5086RIB ↗	VT2P	107	273.1	17.3	1	33.8	1442	20
Hefty	H5832 RIB ↗	VT2P	108	272.5	18.5	1	33.8	1430	24
NuTech	70F2Q ↗	QR	110	271.8	18.7	1	34.8	1424	26
Latham	LH 6097 VT2P RIB ↗	VT2P	110	271.1	17.8	1	34.8	1427	25
Augusta	A4858-5122-EZ ↗	5122	108	270.4	17.9	2	34.8	1423	27
Latham	LH 5646 PCE ↗	PC,E	106	268.5	17.7	1	34.8	1415	29
NK Brand	NK0877-3220 EZR ↗	3220	108	268.0	17.3	1	34.8	1415	30
Cornelius	C575DP ↗	VT2P	109	267.8	18.1	1	34.8	1408	31
Latham	LH 5769 SS RIB ↗	STX	107	266.7	16.4	1	34.8	1416	28
Pioneer	P0953AM CK	AM	109	279.5	17.5	1	33.8	1474	9
				Averages =	268.4	17.6	1	34.6	1415
				LSD (0.10) =	6.1	0.6	ns		
				LSD (0.25) =	3.2	0.3	ns		
				C.V. =	2.2				
				Historic yield: 218.75 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: 10/09/2021

Revised: 10/13/2021 Edited fertility - applied N timing

Additional reports available at www.firstseedtests.com

† 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] SULLY, IA
Lawrence & Mike Van Zee, Jasper County, IA 50219

Full-Season Test	111 - 115 Day CRM B2021IAEC13b
Top 30 of 60	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Soybeans / Round Up, Extendimax
SOIL DESCRIPTION:	Mahaska, Otley silty clay, mod. well drained, non-irrigated
SOIL CONDITION:	No-Till, very high P, very high K, 6.2 pH, 4.1% OM, 15.7 CEC
PEST MANAGEMENT:	Acuron, Silencer, Onward, Propaz
FERTILITY - Applied N:	145 Spring, 32% used with pre emerge spray
Applied N-P-K (units):	145-0-0
SEEDED - RATE - ROW:	May 2 35.0 /A 30" spacing
HARVESTED - STAND:	Oct 8 34.7 /A

TEST COMMENTS:

Planting conditions were very good and plants emerged strong. This location held what moisture it received and performed well. Plants were tall and ear set was high on the stalks. Ears were large and girthy with large seed depth. Plants stood strong with no lodging issues, and cobs were strong and made shelling the big ears easy. Outstanding plot to look at, plant leaves showed some rust, eyespots, and a small amount of tar spots. Mike informed me that his records showed 27 inches of rainfall this year with 13.4 during planting to harvest.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
NuTech	74F3AM ↗	AM	114	302.6	19.1	1	34.8	1581	1
Titan Pro	82-14 2P ↗	VT2P	114	301.4	21.9	1	33.8	1550	4
Wyffels	W7876RIB ↗	VT2P	114	300.2	20.9	1	34.8	1553	3
Four Star	EXP 2202 ↗	VT2P	111	297.4	18.5	1	34.8	1560	2
Midwest Genetics	MW12-48 DGVT2P GC ↗	VT2PDG	112	296.7	19.9	1	34.8	1544	5
FS InVision	FS 6595V RIB ↗	VT2P	115	295.3	20.2	1	33.8	1534	7
NuTech	74B6AM ↗	AM	114	295.3	19.8	1	34.8	1537	6
Dyna-Gro	D55VC80 ↗	VT2P	115	295.1	20.3	1	34.8	1532	9
Cornelius	C7366DGDP ↗	VT2PDG	113	295.0	20.2	1	34.8	1533	8
Latham	LH 6477 VT2P RIB ↗	VT2P	114	293.4	21.8	1	33.8	1510	15
Armor	A1575 VT2P GC ↗	VT2P	115	293.0	21.2	1	34.8	1513	12
Hefty	H6252 ↗	VT2P	112	292.1	19.1	1	34.8	1527	10
Hefty	H6354 ↗	STX	113	291.5	19.9	1	34.8	1517	11
FS InVision	FS 6395VDG RIB ↗	VT2PDG	113	291.0	20.0	1	34.8	1513	13
FS InVision	FS 6306T RIB ↗	TRE	113	289.8	19.3	1	34.8	1513	14
Hefty	H6552 ↗	VT2P	115	289.0	22.1	1	33.8	1485	22
NuTech	72B7Q ↗	QR	112	288.9	19.3	1	34.8	1508	16
Hefty	H6244 RIB ↗	STX	112	287.8	20.7	1	34.8	1491	20
Wyffels	W7956RIB ↗	VT2P	114	286.6	19.9	1	34.8	1491	21
FS InVision	FS 6194V RIB ↗	VT2P	111	284.9	17.5	1	34.8	1503	17
NuTech	74A9AM ↗	AM	114	284.6	20.5	1	34.8	1476	26
Wyffels	W7536DG ↗	VT2PDG	112	284.6	19.7	1	34.8	1483	23
Renk	RK826VT2P ↗	VT2P	111	283.9	17.3	1	34.8	1499	18
ProHarvest	82P29 VT2PRIB ↗	VT2P	112	283.7	19.9	1	33.8	1476	27
Wyffels	W7416 ↗	VT2P	112	282.6	18.6	1	34.8	1482	24
Kruger	K1313DD ↗	VT2PDG	113	282.5	19.0	1	34.8	1477	25
ProHarvest	83P33 DGVT2PRIB ↗	VT2PDG	113	280.7	19.2	1	34.8	1466	30
NuTech	71F5Q ↗	QR	111	280.4	18.3	1	34.8	1472	28
Wyffels	W6978RIB ↗	STX	111	280.3	18.5	1	34.8	1470	29
NK Brand	NK1188-5122 EZR ↗	5122	111	279.5	18.5	1	34.8	1466	31
Pioneer	P0953AM CK	AM	109	284.6	18.3	1	34.8	1495	19
				Averages =	280.2	19.7	1	34.7	1460
				LSD (0.10) =	7.4	0.8	ns		
				LSD (0.25) =	3.9	0.4	ns		
				C.V. =	2.5				
Randy Meinsma				Historic yield: 218.75 bu/a, 10 yr(s)					
randym@firstseedtests.com, (815) 238-8007									

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

Report Date: 10/09/2021

Revised: 10/13/2021 Edited fertility - applied N timing

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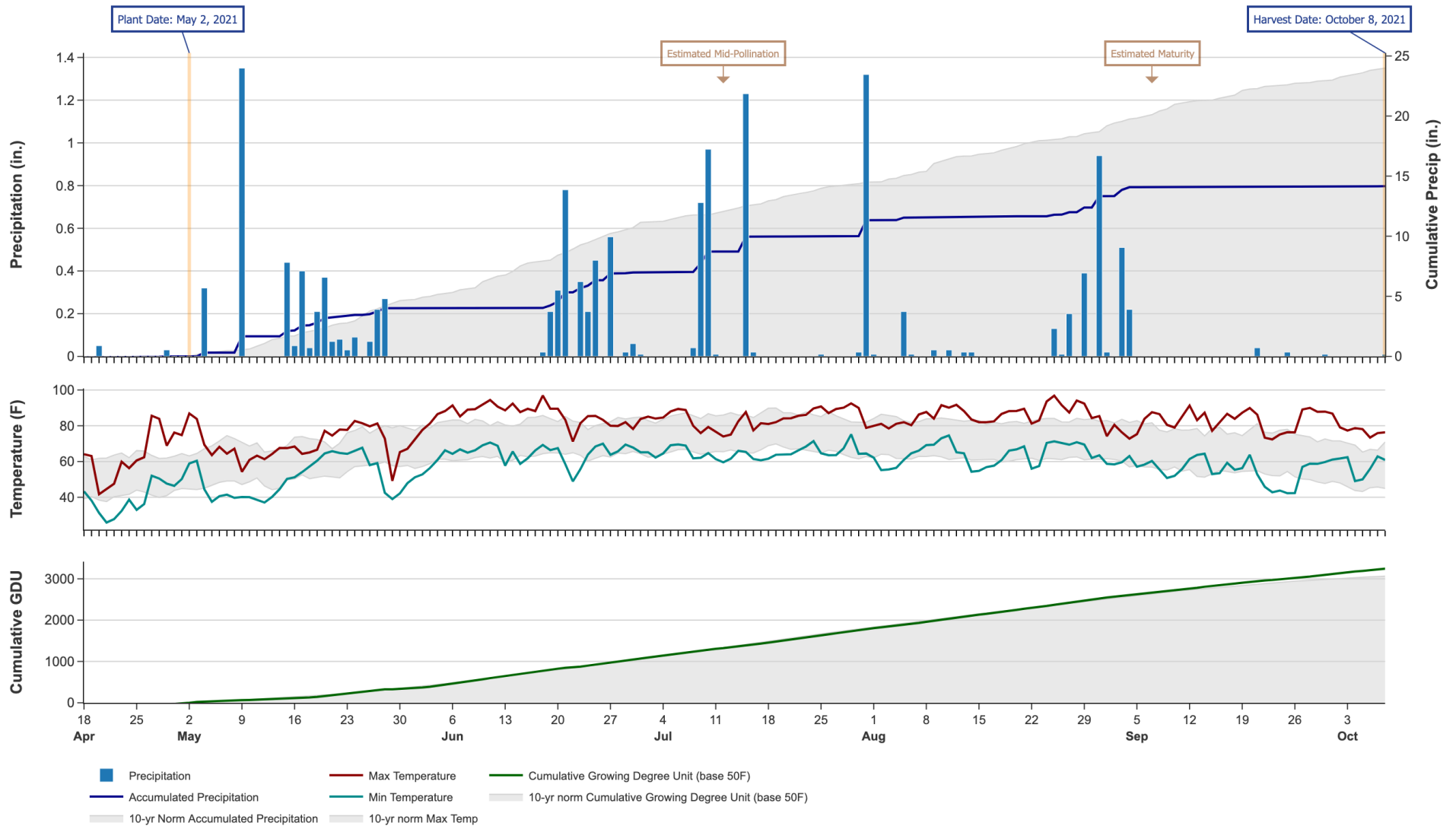
† See last page for abbreviation descriptions. Dark colored row identifies the check product found in early- and full-season tests. **Bold** yields are significantly above test average by LSD(0.10). **Italicized** brands exceed the grain moisture limit for this test. **ns** = column values not significantly different. ↗ New! Links to full product yield results at www.firstseedtests.com

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2021 Corn - Iowa East Central [IAEC]

Weather Conditions Summary at SULLY, IA

Monthly Total	Apr*	May	Jun	Jul	Aug	Sep	Oct*	Total
Precip (in) Normal (Diff)	0.1 1.9 (-1.8)	4.0 5.0 (-1.0)	3.0 6.0 (-3.0)	4.3 3.8 (+0.6)	2.0 4.2 (-2.2)	0.8 4.3 (-3.5)	0.0 1.0 (-1.0)	14.2 26.2 (-11.9)
GDU Normal (Diff)	72 79 (-7)	378 378 (0)	704 664 (+39)	740 780 (-40)	745 695 (+49)	568 484 (+83)	145 75 (+69)	3352 3158 (+193)



* 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.