

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

2022 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 B2022IAEC16a
Top 30 of 48	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Soybeans, Rye Cover Crop / Authority Supreme, 2-4-D, Round Up, Liberty, Outlook, Top Guard, Warrior
SOIL DESCRIPTION:	Taintor silty clay loam, mod. well drained, non-irrigated
SOIL CONDITION:	No-Till, very high P, high K, 6.4 pH, 4.3% OM, 23.4 CEC
PEST MANAGEMENT:	Anthem Max, 2-4-D, Round Up, Atrazine, Impact, Quilt XI,
FERTILITY - Applied N:	3 Planter, 33 Sidedress, 4000 gal Hog Manure
Applied N-P-K (units):	36-11-3
SEDED - RATE - ROW:	May 7 35.0 /A 30" spacing
HARVESTED - STAND:	Oct 3 34.5 /A

TEST COMMENTS:

The plot looked very good but stress from lack of rain set the yields back. Plants were standing very well with very small brace roots. Ears were short and girthy with some zipper rows and small tip back. The field had no weed pressure and some plants had green leaves at harvest. Strong cobs made shelling easy. The Vittetoes said that some areas just 5 miles apart could see a huge difference in yields, with rainfall erratic this year.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
NuTech	70F6Q ↗	QR	110	256.6	20.1	1	34.8	1613	1
NuTech	68A7AM ↗	AM	108	250.0	21.7	1	33.8	1556	3
Integra	6061 STXRIB ↗	STX	110	248.6	20.9	1	34.8	1555	4
Kruger	K0915DD ↗	VT2PDG	109	247.5	19.0	1	34.8	1567	2
Renk	RK801SSTX ↗	STX	110	245.6	21.1	1	33.8	1534	6
Golden Harvest	G10D21-VZ ↗	VZ	110	243.1	19.9	1	34.8	1530	8
NuTech	70B4AM ↗	AM	110	242.6	20.6	1	33.8	1520	9
Kruger	K0858DP ↗	VT2P	108	242.4	18.9	1	32.9	1535	5
Latham	LH 5725 VT2P RIB ↗	VT2P	107	242.3	19.2	1	34.8	1531	7
Augusta	A1359 VT2P ↗	VT2P	108	240.4	20.0	1	34.8	1512	12
AgVenture	AV9610 ↗	AM	110	240.2	19.8	1	34.8	1513	11
Cornelius	C7021DP ↗	VT2P	110	238.8	18.4	1	34.8	1517	10
FS InVision	FS 5815V RIB ↗	VT2P	108	238.4	18.7	1	33.8	1512	13
Cornelius	C6847TRE ↗	TRE	108	236.0	19.6	1	34.8	1488	14
Renk	RK774VT2P ↗	VT2P	108	232.5	19.6	1	34.8	1466	16
NuTech	68A9AM ↗	AM	108	231.3	20.5	1	34.8	1450	19
Integra	5719 VT2PRIB ↗	VT2P	107	230.8	18.6	1	34.8	1465	17
FS InVision	FS 5725X RIB ↗	STX	107	229.2	19.1	1	33.8	1450	20
NuTech	66C2Q ↗	QR	106	229.0	19.3	1	34.8	1447	21
AgVenture	AV5508 ↗	AM	108	228.1	20.8	1	33.8	1427	24
Cornelius	C6936SS ↗	STX	109	227.7	19.1	1	34.8	1440	22
FS InVision	FS 5525VDG RIB ↗	VT2P	105	227.4	17.0	1	33.8	1458	18
Latham	LH 6097 VT2P RIB ↗	VT2P	110	226.7	20.3	1	33.8	1424	25
Kruger	K0783DP ↗	VT2P	107	226.5	18.9	1	33.8	1434	23
FS InVision	FS 6025X RIB ↗	STX	110	225.6	19.7	1	34.8	1422	26
Renk	RK805VT2P ↗	VT2P	110	225.1	19.7	1	34.8	1419	27
Latham	LH 5559 SS RIB ↗	STX	105	223.7	19.1	1	34.8	1415	28
Latham	LH 5646 PCE ↗	PC,E	106	222.8	18.5	1	33.8	1414	29
Titan Pro	24-05 PCE ↗	PC,E	105	221.0	18.5	1	34.8	1404	30
Renk	RK700SSTX ↗	STX	108	220.1	19.5	1	34.8	1389	31
PIONEER	P0953AM CK	AM	109	233.4	19.9	1	34.8	1469	15
				Averages =	224.2	19.7	1	34.5	1413
				LSD (0.10) =	7.2	1.2	ns		
				LSD (0.25) =	3.8	0.6	ns		
				C.V. =	3.0				
				Historic yield: 220.47 bu/a, 19 yr(s)					



Randy Meinsma

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Yield & Income Factors:

Base Moisture = 15.0%

Shrink = 1.3

Drying = \$0.04

Prices: GMO = \$6.49

Report Date: 10/03/2022

† 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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2022 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 B2022IAEC16b
Top 30 of 54	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Soybeans, Rye Cover Crop / Authority Supreme, 2-4-D, Round Up, Liberty, Outlook, Top Guard, Warrior
SOIL DESCRIPTION:	Taintor silty clay loam, mod. well drained, non-irrigated
SOIL CONDITION:	No-Till, very high P, high K, 6.4 pH, 4.3% OM, 23.4 CEC
PEST MANAGEMENT:	Anthem Max, 2-4-D, Round Up, Atrazine, Impact, Quilt XI,
FERTILITY - Applied N:	3 Planter, 33 Sidedress, 4000 gal Hog Manure
Applied N-P-K (units):	36-11-3
SEEDING - RATE - ROW:	May 7 35.0 /A 30" spacing
HARVESTED - STAND:	Oct 3 34.4 /A

TEST COMMENTS:

The plot looked very good but stress from lack of rain set the yields back. Plants were standing very well with very small brace roots. Ears were short and girthy with some zipper rows and small tip back. The field had no weed pressure and some plants had green leaves at harvest. Strong cobs made shelling easy. The Vittetoes said that some areas just 5 miles apart could see a huge difference in yields, with rainfall erratic this year.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Kruger	K1460DT ↗	TRE	114	259.8	22.9	1	33.8	1604	1
Renk	RK958VT2P ↗	VT2P	115	256.7	23.9	1	34.8	1575	2
Integra	6588 VT2PRIB ↗	VT2P	115	249.1	25.1	1	33.8	1516	3
Dyna-Gro	D55VC80RIB ↗	VT2P	115	247.2	24.0	1	34.8	1515	4
FS InVision	FS 6595V RIB ↗	VT2P	115	246.5	24.8	1	33.8	1503	5
AgVenture	AV5214 ↗	AM	114	239.6	23.1	1	34.8	1478	8
Dyna-Gro	D54VC34RIB ↗	VT2P	114	238.0	23.5	1	33.8	1463	11
Kruger	K1139SS ↗	STX	111	237.3	21.1	1	34.8	1482	7
Pioneer	P1413AM GC ↗	AM	114	237.3	21.7	1	33.8	1476	9
Cornelius	C7373SSP ↗	STXP	113	237.2	23.3	1	34.8	1461	12
FS InVision	FS 6306T RIB ↗	TRE	113	237.0	19.6	1	33.8	1495	6
Renk	RK940SSTX ↗	STX	115	236.4	23.3	1	34.8	1455	15
Kruger	K1501DP ↗	VT2P	115	236.2	24.1	1	34.8	1447	17
NuTech	72B7Q ↗	QR	112	236.2	22.1	1	33.8	1466	10
NuTech	72D4Q ↗	QR	112	236.0	23.2	1	33.8	1454	16
Latham	LH 6155 VT2P RIB ↗	VT2P	111	235.8	22.3	1	33.8	1461	13
FS InVision	FS 6395VDG RIB ↗	VT2PDG	113	233.9	24.9	1	33.8	1425	23
Innervictis	A1192 ↗	STX	111	233.7	21.3	1	33.8	1458	14
NuTech	73A6Q ↗	QR	113	233.0	22.2	1	34.8	1445	18
AgVenture	AV7913AM ↗	AM	113	232.5	22.5	1	32.9	1439	21
AgVenture	AV9711 ↗	QR	111	232.2	21.9	1	34.8	1443	19
ProHarvest	8360 VT2PRIB ↗	VT2P	113	231.1	22.3	1	34.8	1432	22
Latham	LH 6149 SS RIB ↗	STX	111	230.4	23.5	1	32.9	1417	24
Wyffels	W7876RIB ↗	VT2P	114	230.3	25.8	1	34.8	1395	31
NuTech	72A5Q ↗	QR	111	229.7	20.3	1	34.8	1442	20
Wyffels	W7945 ↗	TRE	114	229.6	23.7	1	34.8	1410	28
Renk	RK907SSTX ↗	STX	115	228.0	23.4	1	33.8	1403	29
Integra	6284 VT2PRIB ↗	VT2P	112	227.4	23.4	1	34.8	1399	30
NK Brand	NK1188-D ↗	D	111	227.3	21.5	1	34.8	1416	25
Cornelius	C7357DP ↗	VT2P	113	226.4	21.1	1	33.8	1414	27
PIONEER	P0953AM CK	AM	109	227.7	21.9	1	33.8	1415	26
				Averages =	225.3	23.0	1	34.4	1390
				LSD (0.10) =	7.8	1.3	ns		
				LSD (0.25) =	4.1	0.7	ns		
				C.V. =	3.3				
				Historic yield: 220.47 bu/a, 19 yr(s)					



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Yield & Income Factors:

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Shrink = 1.3

Drying = \$0.04

Prices: GMO = \$6.49

Report Date: 10/03/2022

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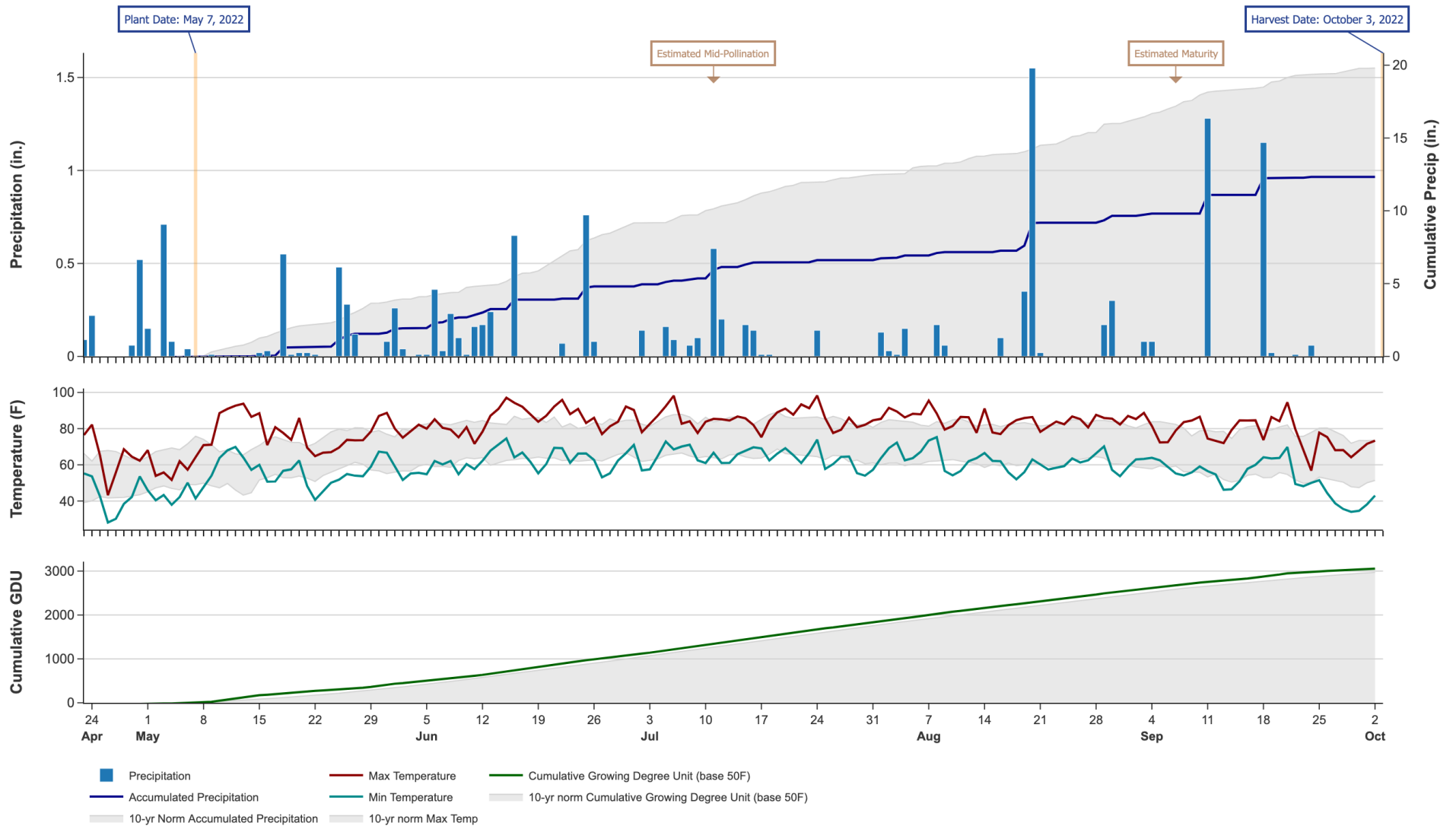
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2022 Corn - Iowa East Central [IAEC]

Weather Conditions Summary at WASHINGTON, IA

Monthly Total	Apr*	May	Jun	Jul	Aug	Sep	Oct*	Total
Precip (in) Normal (Diff)	0.9 1.1 (-0.3)	2.6 5.4 (-2.8)	3.2 5.2 (-2.0)	1.8 3.6 (-1.8)	3.0 3.5 (-0.5)	2.7 3.8 (-1.1)	0.0 0.0 (-0.0)	14.2 22.6 (-8.4)
GDU Normal (Diff)	66 61 (+4)	440 396 (+43)	662 671 (-9)	745 759 (-14)	711 686 (+24)	499 501 (-2)	22 24 (-2)	3145 3101 (+43)



* 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.

2022 Corn - Iowa East Central [IAEC]

Early-Season Test Products (48 Total)

Company/Brand	Product/Brand	Technology	RIB	RM	Seed Treat.
AgVenture	AV5508	AM	Y	108	Treated
AgVenture	AV9610	AM	Y	110	Treated
Augusta	A1359 VT2P	VT2P	N	108	CM,C2
Cornelius	C6847TRE	TRE	N	108	AC,P5
Cornelius	C6936SS	STX	N	109	CM,C2,Vi
Cornelius	C7021DP	VT2P	N	110	AC,P5V,EDC-B
FS InVision	FS 5525VDG RIB	VT2P	Y	105	AC,P2
FS InVision	FS 5725X RIB	STX	Y	107	AC,P5V
FS InVision	FS 5815V RIB	VT2P	Y	108	AC,P5V
FS InVision	FS 6017V RIB	VT2P	Y	110	AC,P5V
FS InVision	FS 6025X RIB	STX	Y	110	AC,P5V,EDC-EL
Golden Harvest	G06A27-D	D	Y	106	AVC,C2,Vi,Va
Golden Harvest	G10D21-VZ	VZ	Y	110	AVC,C2,CM,C5,Vi,Va
Innictis	A0842	STX	N	108	Treated
Innictis	A1062	TRE	N	110	Treated
Integra	5533 STXRIB	STX	N	105	Treated
Integra	5719 VT2PRIB	VT2P	Y	107	AC,P5V,SU+Zn
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,EDC-B
Kruger	K0858DP	VT2P	Y	108	AC,P5V,EDC-B
Kruger	K0915DD	VT2PDG	Y	109	AC,P5V,EDC-B
Kruger	K1005DP	VT2P	Y	110	AC,P2
Latham	LH 5559 SS RIB	STX	Y	105	AC,P5
Latham	LH 5646 PCE	PC,E	N	106	AVC,C2,Vi,Va
Latham	LH 5725 VT2P RIB	VT2P	Y	107	AC,P2
Latham	LH 5847 VT2P RIB	VT2P	Y	108	AC,P2
Latham	LH 6097 VT2P RIB	VT2P	Y	110	AC,P2
NK Brand	NK0696-D	D	Y	106	AVC,C2,Vi,Va
NK Brand	NK0748-AA	AA	Y	107	AVC,C2,Vi,Va
NK Brand	NK1026-DVZ	VZ	Y	110	AVC,C2,CM,C5,Vi,Va
NuTech	66C2Q	QR	Y	106	Lum, L1
NuTech	68A7AM	AM	Y	108	Lum, L1
NuTech	68A9AM	AM	Y	108	Lum, L1
NuTech	70B4AM	AM	Y	110	Lum, L1
NuTech	70F6Q	QR	Y	110	Lum, L1
Pioneer	P0953AM CK	AM	Y	109	Lum
Renk	RK700SSTX	STX	N	108	AC,P5V
Renk	RK710DGV2P	VT2PDG	Y	107	AC,P2
Renk	RK774VT2P	VT2P	N	108	AC,P2
Renk	RK801SSTX	STX	N	110	AC,P5V
Renk	RK805VT2P	VT2P	N	110	AC,P2

Company/Brand	Brand/Product	Technology	RIB	RM	Seed Treat.
Titan Pro	24-05 PCE	PC,E	N	105	CM,C2
Titan Pro	94-09 2P	VT2P	Y	109	AC,P2
Wyffels	W4025	TRE	N	105	AC,P2
Wyffels	W4246RIB	VT2P	Y	105	AC,P2
Wyffels	W5086RIB	VT2P	Y	107	AC,P2
Wyffels	W5778RIB	STX	Y	109	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.

2022 Corn - Iowa East Central [IAEC]

Full-Season Test Products (54 Total)

Company/Brand	Product/Brand	Technology	RIB	RM	Seed Treat.
AgVenture	AV5214	AM	Y	114	Treated
AgVenture	AV7913AM	AM	Y	113	Treated
AgVenture	AV9711	QR	Y	111	Treated
Cornelius	C7357DP	VT2P	N	113	CM,C2,Vi
Cornelius	C7366DGDP	VT2PDG	N	113	CM,C2,Vi
Cornelius	C7373SSP	STXP	N	113	AC,P5V,EDC-B
Dyna-Gro	D54VC34RIB	VT2P	N	114	AC,P5V
Dyna-Gro	D55VC80RIB	VT2P	N	115	AC,P5V
FS InVision	FS 6217T RIB	TRE	Y	112	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 6406X RIB	STX	Y	114	AC,P5V
FS InVision	FS 6595V RIB	VT2P	Y	115	AC,P5V
Golden Harvest	G11V76-D	D	Y	111	AVC,C2,CM,C5,Vi,Va
Golden Harvest	G15J91-V	V	Y	115	AVC,C2,CM,C5,Vi,Va
Innictis	A1192	STX	N	111	Treated
Innictis	A1462	VT2P	N	114	Treated
Integra	6284 VT2PRIB	VT2P	Y	112	AC,P5V,SU+Zn
Integra	6410 VT2PRIB	VT2P	Y	114	AC,P5V,SU+Zn
Integra	6555 VT2PRIB	VT2P	Y	115	AC,P5V,SU+Zn
Integra	6588 VT2PRIB	VT2P	Y	115	AC,P5V,SU+Zn
Kruger	K1139SS	STX	Y	111	AC,P5V,EDC-B
Kruger	K1191DT	TRE	Y	111	AC,P5V,EDC-B
Kruger	K1313DD	VT2PDG	Y	113	AC,P5V
Kruger	K1460DT	TRE	Y	114	AC,P5V,EDC-B
Kruger	K1501DP	VT2P	Y	115	AC,P5V,EDC-B
Latham	LH 6149 SS RIB	STX	Y	111	AC,P5V
Latham	LH 6155 VT2P RIB	VT2P	Y	111	AC,P5V
Latham	LH 6227 VT2P RIB	VT2P	Y	112	AVC,C5,Vi,Va
Latham	LH 6477 VT2P RIB	VT2P	Y*	114	AC,P2
Latham	LH 6529 SS RIB	STX	Y	115	AC,P2
NK Brand	NK1188-D	D	Y	111	AVC,C2,CM,C5,Vi,Va
NK Brand	NK1523-V	V	Y	115	AVC,C2,CM,C5,Vi,Va
NuTech	72A5Q	QR	Y	111	Lum, L1
NuTech	72B7Q	QR	Y	112	Lum, L1
NuTech	72D4Q	QR	Y	112	Lum, L1
NuTech	73A6Q	QR	Y	113	Lum, L1
NuTech	74C4AM	AM	Y	114	Lum, L1
Pioneer	P0953AM CK	AM	Y	109	Lum
Pioneer	P1413AM GC	AM	N*	114	Lum
ProHarvest	8360 VT2PRIB	VT2P	Y	113	AC,P2
ProHarvest	83P33 DGVT2PRIB	VT2PDG	Y	113	AC,P2

Company/Brand	Brand/Product	Technology	RIB	RM	Seed Treat.
ProHarvest	84P78 TRERIB	TRE	Y	114	AC,P2
Renk	RK895DGVT2P	VT2PDG	N	113	AC,P2
Renk	RK907SSTX	STX	N	115	AC,P5V
Renk	RK915VT2P	VT2P	N	115	AC,P2
Renk	RK940SSTX	STX	N	115	AC,P5V
Renk	RK958VT2P	VT2P	N	115	AC,P2
Titan Pro	82-14 2P	VT2P	Y	114	AC,P2
Wyffels	W6935	TRE	N	111	AC,P2
Wyffels	W7536DGRIB	VT2PDG	Y	112	AC,P2
Wyffels	W7876RIB	VT2P	Y	114	AC,P2
Wyffels	W7945	TRE	N	114	AC,P2
Wyffels	W8306	VT2P	N	115	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

AA	Agrisure® Above (CB,HX,LL,GT), formerly Agrisure® 3120
AM	Optimum® AcreMax®
D	Duracade™ (CB,HX,RW,RW2,LL,GT), formerly Agrisure Duracade® 5122
E	Enlist™ (2,4-D, glyphosate, fop herbicide tolerance)
PC	PowerCore™
QR	Qrome™
STX	SmartStax®
STXP	SmartStax® Pro
TRE	Trecepta®
V	Viptera™ (Vip,CB,HX,LL,GT), formerly Agrisure Viptera® 3220
VT2P	VT Double PRO®
VT2PDG	VT Double PRO® DroughtGard®
VZ	Viptera™ Z3 (Vip,CB,VTP,LL,GT), formerly Agrisure Viptera® 3330

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,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
AVC,C2,CM,C5,Vi,Va	Avicta® Complete 250, CruiserMaxx 500, Vibrance®, Vayantis®
AVC,C2,Vi,Va	Avicta® Complete 250, Vibrance®, Vayantis®
AVC,C5,Vi,Va	Avicta Complete 500, Vibrance, Vayantis
CM,C2	CruiserMaxx® 250
CM,C2,Vi	CruiserMaxx® 250 with Vibrance
Lum	LumiGEN™ (Corteva Agriscience)
Lum, L1	(2022) LumiGEN, Lumisure 1250
Treated	Treated seed, unspecified

* Seed treatments may include unspecified plant health promoting components.