

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

2022 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 B2022IAEC12a
Top 30 of 48	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Corn / Buccaneer Plus, Priority, Atrazine, Bellum, Anvol, Miravis Neo, Astonish
SOIL DESCRIPTION:	Tama silt loam, mod. well drained, non-irrigated
SOIL CONDITION:	Minimum W/O Fall Till, very high P, very high K, 5.3 pH, 3.5% OM, 19.8 CEC
PEST MANAGEMENT:	Buccaneer Plus, Priority, Atrazine, Bellum, Anvol, Miravis Neo, Astonish
FERTILITY - Applied N:	190 Spring
Applied N-P-K (units):	190-0-0
SEDED - RATE - ROW:	May 12 35.0 /A 30" spacing
HARVESTED - STAND:	Oct 1 33.5 /A

TEST COMMENTS:

Outstanding looking plot. Plants stood tall and ears were large and well pollinated. Tar spots could be seen throughout the plot. This location caught rain when it needed it most and performed very well. Cobs were strong and made shelling easy. Plants were matured with little to no green leaves. Brace roots looked good which made for no lodging issues. It was a clean field with no weed pressure.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
NuTech	70F6Q ↗	QR	110	278.4	19.6	1	34.8	1756	2
NuTech	68A7AM ↗	AM	108	277.9	19.1	1	31.9	1758	1
Renk	RK805VT2P ↗	VT2P	110	275.6	19.7	1	33.8	1737	5
AgVenture	AV9610 ↗	AM	110	273.5	19.2	2	33.8	1729	6
Renk	RK700SSTX ↗	STX	108	273.5	18.0	1	33.8	1742	3
Integra	6061 STXRIB ↗	STX	110	267.3	19.3	2	33.8	1689	8
Wyffels	W4025 ↗	TRE	105	266.4	17.4	1	34.8	1703	7
FS InVision	FS 6017V RIB ↗	VT2P	110	266.4	19.5	1	34.8	1681	12
Titan Pro	24-05 PCE ↗	PC,E	105	266.3	19.4	1	34.8	1681	13
Kruger	K0915DD ↗	VT2PDG	109	266.2	19.3	2	33.8	1681	14
Latham	LH 5725 VT2P RIB ↗	VT2P	107	264.7	18.0	1	34.8	1686	9
Renk	RK774VT2P ↗	VT2P	108	264.3	17.8	1	31.9	1685	10
Integra	5802 VT2PRIB ↗	VT2P	108	263.4	19.3	1	34.8	1664	16
NK Brand	NK1026-DVZ ↗	VZ	110	263.2	21.1	1	30.0	1644	21
Kruger	K1005DP ↗	VT2P	110	262.9	17.9	1	32.9	1676	15
Kruger	K0783DP ↗	VT2P	107	262.9	17.3	1	30.9	1682	11
Wyffels	W5778RIB ↗	STX	109	262.1	19.6	1	30.9	1653	18
Golden Harvest	G10D21-VZ ↗	VZ	110	261.9	19.8	1	32.9	1649	19
NuTech	66C2Q ↗	QR	106	258.9	18.0	2	32.9	1649	20
NuTech	68A9AM ↗	AM	108	258.6	18.7	1	34.8	1640	22
FS InVision	FS 5525VDG RIB ↗	VT2P	105	258.1	16.1	2	34.8	1664	17
Cornelius	C7021DP ↗	VT2P	110	257.3	18.5	1	33.8	1634	23
Innictis	A0842 ↗	STX	108	257.0	18.7	1	31.9	1630	24
Latham	LH 6097 VT2P RIB ↗	VT2P	110	256.9	19.0	1	34.8	1627	26
Latham	LH 5646 PCE ↗	PC,E	106	256.7	19.7	1	31.9	1618	28
FS InVision	FS 5815V RIB ↗	VT2P	108	256.4	19.5	1	34.8	1618	29
NuTech	70B4AM ↗	AM	110	255.9	18.9	1	33.8	1621	27
Wyffels	W5086RIB ↗	VT2P	107	255.2	17.7	1	32.9	1629	25
Titan Pro	94-09 2P ↗	VT2P	109	252.1	17.7	2	34.8	1609	30
Integra	5533 STXRIB ↗	STX	105	251.9	17.6	4	32.9	1609	31
PIONEER	P0953AM CK	AM	109	276.3	20.0	1	33.8	1738	4
				Averages =	256.5	18.8	1	33.5	1625
				LSD (0.10) =	7.4	0.8	ns		
				LSD (0.25) =	3.9	0.4	ns		
				C.V. =	2.7				
				Historic yield: 219.71 bu/a, 11 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] MUSCATINE, IA
Diaan Roos, Muscatine County, IA 52716

Full-Season Test	111 - 115 Day CRM B2022IAEC12b
Top 30 of 54	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Corn / Buccaneer Plus, Priority, Atrazine, Bellum, Anvol, Miravis Neo, Astonish
SOIL DESCRIPTION:	Tama silt loam, mod. well drained, non-irrigated
SOIL CONDITION:	Minimum W/O Fall Till, very high P, very high K, 5.3 pH, 3.5% OM, 19.8 CEC
PEST MANAGEMENT:	Buccaneer Plus, Priority, Atrazine, Bellum, Anvol, Miravis Neo, Astonish
FERTILITY - Applied N:	190 Spring
Applied N-P-K (units):	190-0-0
SEDED - RATE - ROW:	May 12 35.0 /A 30" spacing
HARVESTED - STAND:	Oct 1 33.4 /A

TEST COMMENTS:

Outstanding looking plot. Plants stood tall and ears were large and well pollinated. Tar spots could be seen throughout the plot. This location caught rain when it needed it most and performed very well. Cobs were strong and made shelling easy. Plants were matured with little to no green leaves. Brace roots looked good which made for no lodging issues. It was a clean field with no weed pressure.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
NK Brand	NK1523-V ↗	V	115	273.1	25.3	1	32.9	1660	5
FS InVision	FS 6217T RIB ↗	TRE	112	271.9	20.9	1	32.9	1701	1
Kruger	K1501DP ↗	VT2P	115	270.9	22.7	1	30.9	1675	4
AgVenture	AV5214 ↗	AM	114	269.0	23.7	1	33.8	1652	6
ProHarvest	84P78 TRERIB ↗	TRE	114	268.8	24.1	2	32.9	1647	8
AgVenture	AV9711 ↗	QR	111	268.1	21.0	1	34.8	1676	3
Renk	RK940SSTX ↗	STX	115	266.5	24.6	1	33.8	1627	12
NK Brand	NK1188-D ↗	D	111	265.6	21.8	1	33.8	1652	7
Latham	LH 6529 SS RIB ↗	STX	115	265.1	22.8	1	32.9	1638	9
NuTech	74C4AM ↗	AM	114	263.0	24.1	1	31.9	1611	19
NuTech	72A5Q ↗	QR	111	262.8	21.4	1	32.9	1638	10
Renk	RK895DGV2P ↗	VT2PDG	113	262.4	23.3	1	32.9	1616	16
NuTech	73A6Q ↗	QR	113	262.3	22.9	1	33.8	1619	15
Golden Harvest	G11V76-D ↗	D	111	262.0	22.0	1	32.9	1627	13
Latham	LH 6149 SS RIB ↗	STX	111	261.6	22.5	1	33.8	1620	14
FS InVision	FS 6395VDG RIB ↗	VT2PDG	113	261.5	20.9	1	31.9	1635	11
Renk	RK915VT2P ↗	VT2P	115	259.9	22.0	1	33.8	1614	17
Integra	6555 VT2PRIB ↗	VT2P	115	258.3	21.3	1	34.8	1611	20
Wyffels	W7536DGRIB ↗	VT2PDG	112	256.1	21.2	2	34.8	1598	21
NuTech	72D4Q ↗	QR	112	256.1	24.4	1	34.8	1566	24
Latham	LH 6155 VT2P RIB ↗	VT2P	111	255.8	19.6	1	33.8	1613	18
ProHarvest	83P33 DGV2PRIB ↗	VT2PDG	113	254.6	23.5	1	34.8	1565	26
Wyffels	W7945 ↗	TRE	114	254.3	23.3	1	34.8	1566	25
Kruger	K1460DT ↗	TRE	114	253.9	21.7	1	34.8	1580	22
FS InVision	FS 6595V RIB ↗	VT2P	115	252.3	24.3	1	33.8	1544	31
Pioneer	P1413AM GC ↗	AM	114	251.2	23.5	1	31.9	1545	30
Kruger	K1313DD ↗	VT2PDG	113	250.2	21.7	1	34.8	1557	27
Dyna-Gro	D54VC34RIB ↗	VT2P	114	249.9	22.4	1	33.8	1548	28
Kruger	K1139SS ↗	STX	111	249.7	22.4	1	31.9	1547	29
Cornelius	C7366DGDP ↗	VT2PDG	113	249.2	19.8	1	33.8	1569	23
PIONEER	P0953AM CK	AM	109	270.5	20.5	1	33.8	1696	2
				Averages =	251.6	22.6	1	33.4	1557
				LSD (0.10) =	9.3	1.0	1		
				LSD (0.25) =	4.9	0.5	0		
				C.V. =	3.5				
				Historic yield: 219.71 bu/a, 11 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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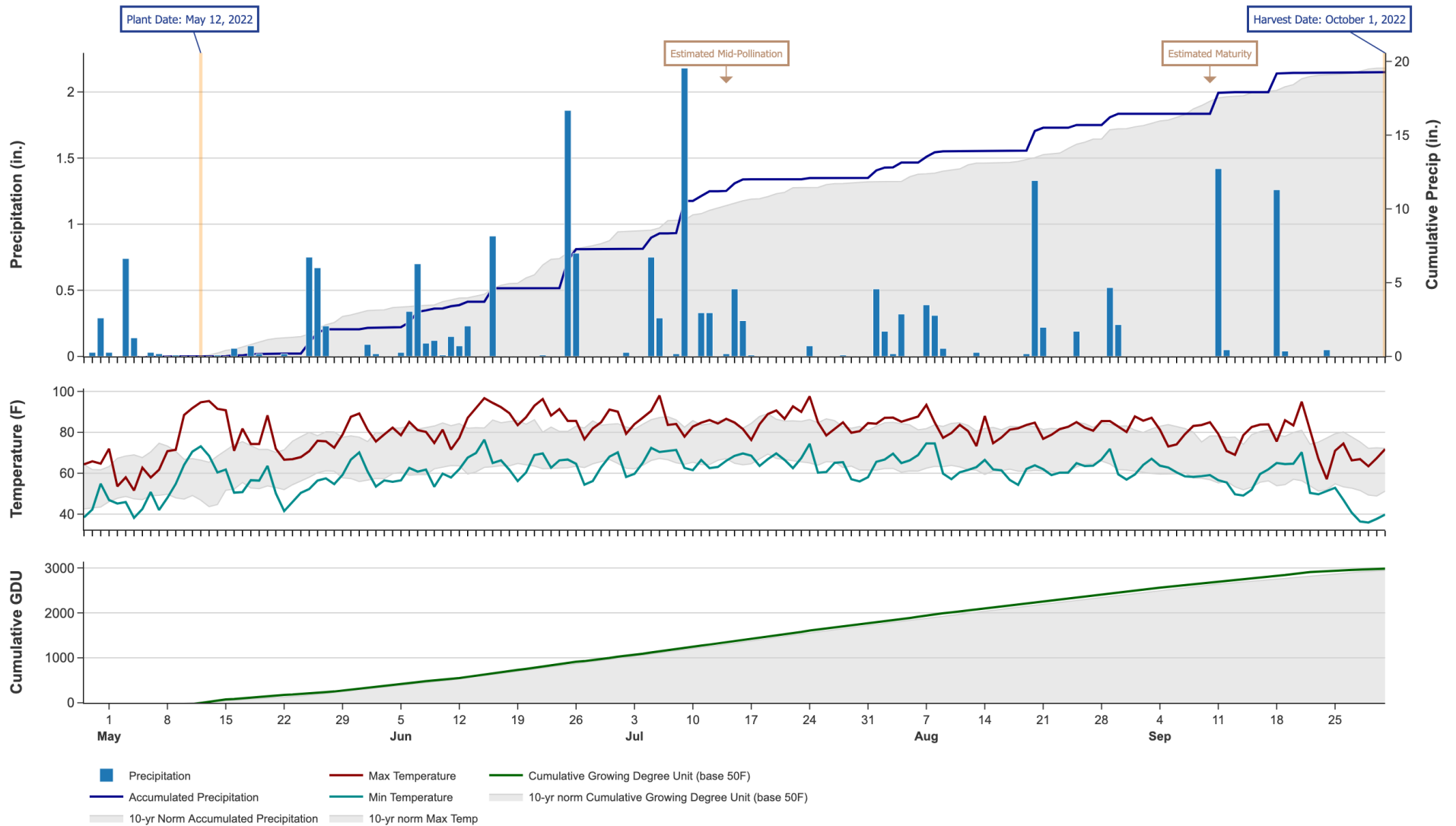
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2022 Corn - Iowa East Central [IAEC]

Weather Conditions Summary at MUSCATINE, IA

Weather Data Retrieved: 10/03/2022

Monthly Total	Apr*	May	Jun	Jul	Aug	Sep	Oct*	Total
Precip (in) Normal (Diff)	0.3 0.8 (-0.5)	2.8 5.1 (-2.3)	5.4 4.9 (+0.5)	4.8 4.0 (+0.8)	4.3 3.6 (+0.7)	2.8 4.1 (-1.3)	0.0 0.0 (-0.0)	20.6 22.6 (-2.0)
GDU Normal (Diff)	25 18 (+6)	463 394 (+68)	672 670 (+1)	758 768 (-10)	710 699 (+10)	507 511 (-4)	11 11 (0)	3146 3075 (+70)



* 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
Inn victis	A0842	STX	N	108	Treated
Inn victis	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.