

Test by: F.I.R.S.T. NCB, Inc. Lanark, IL

2022 Corn Grain Top 30 Harvest Report

North Central Iowa, Tri-State Illinois & Wisconsin [NCTS]
MANCHESTER, IA
John Crock, Delaware County, IA 52057

Early-Season Test	101 - 107 Day CRM B2022NCTS12a
Top 30 of 45	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Corn, 2+ Yr / Harness Xtra, Roundup
SOIL DESCRIPTION:	Kenyon loam, mod. well drained, non-irrigated
SOIL CONDITION:	Conventional W/ Fall Till, very high P, very high K, 6.2 pH, 3.3% OM, 15.1 CEC
PEST MANAGEMENT:	Harness Xtra, Roundup, Callisto, Trivapro, Warrior, Force
FERTILITY - Applied N:	100 Fall, 100 Foliar Rescue
Applied N-P-K (units):	200-92-120
SEEDED - RATE - ROW:	May 16 37.5 /A 30" spacing
HARVESTED - STAND:	Oct 10 35.2 /A

TEST COMMENTS:

This location was not planted until mid-May, but started off great and had really uniform emergence. Received good rainfall until after the first week of August, then the spigot turned off. The plants were nice and healthy, with great stalk strength and good ear shanks. There was Tar Spot everywhere in the plot but it came late in the season. Ears were nice and girthy and filled to the tip. Really nice corn-on-corn plot.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Jung	57DP553 ↗	VT2P	107	280.3	23.4	1	33.9	1728	1
NuTech	66C2Q ↗	QR	106	276.8	25.1	1	34.8	1687	3
Cornelius	C6525SSP ↗	STXP	105	275.1	25.5	1	34.8	1673	4
FS InVision	FS 5725X RIB ↗	STX	107	273.0	24.5	1	36.6	1671	5
Renk	RK625DGV2P ↗	VT2PDG	104	272.9	21.6	1	36.6	1702	2
Wyffels	W5086RIB ↗	VT2P	107	272.7	26.0	1	35.7	1652	6
Renk	RK720TRE ↗	TRE	106	267.1	24.7	1	35.7	1632	9
FS InVision	FS 5525VDG RIB ↗	VT2P	105	265.0	23.5	1	35.7	1632	10
Cornelius	C6401SS ↗	STX	104	264.4	22.8	1	34.8	1636	8
Cornelius	C6400DGDG ↗	VT2PDG	104	264.3	22.6	1	35.7	1637	7
Dairyland	DS-4219AM ↗	AM	102	264.1	23.6	1	33.9	1625	11
Renk	RK615SSTX ↗	STX	102	263.1	24.0	1	33.9	1615	14
FS InVision	FS 5115X RIB ↗	STX	101	262.8	23.3	1	35.7	1621	12
Wyffels	W4025 ↗	TRE	105	262.1	23.6	1	36.6	1614	15
Wyffels	W4198RIB ↗	STX	106	261.9	25.1	1	35.7	1597	17
Renk	RK710DGV2P ↗	VT2PDG	107	261.7	23.2	1	33.9	1616	13
Dairyland	DS-4567Q ↗	QR	105	260.7	24.4	1	33.9	1597	18
NuTech	65B2Q ↗	QR	105	260.6	25.4	1	33.5	1585	19
Augusta	A2856-5222-EZ GC ↗	DV	106	260.3	23.8	1	34.8	1600	16
Stone	0403SP ↗	STXP	104	257.3	24.3	1	34.8	1577	22
Pioneer	P0339Q GC ↗	QR	103	257.3	24.2	1	37.5	1578	21
Burrus	POWER PLUS 2J67Q ↗	QR	105	256.9	24.7	1	33.9	1570	24
Jung	56SS538 ↗	STX	106	255.0	23.9	1	36.6	1567	25
Stone	0603SP ↗	STXP	106	254.9	25.1	1	35.7	1554	28
Wyffels	W2656 ↗	VT2P	101	253.1	21.9	1	33.1	1576	23
Augusta	A3655 VT2P ↗	VT2P	104	252.9	24.2	1	35.7	1551	29
Golden Harvest	G07G73-AA ↗	AA	107	252.8	24.7	1	34.8	1545	31
FS InVision	FS 5594X RIB ↗	STX	105	252.7	24.1	1	34.8	1551	30
Brevant	B00M18AM GC ↗	AM1	100	252.2	23.2	1	35.7	1556	27
Brevant	B01Z88AM GC ↗	AM	101	251.3	22.1	1	37.5	1562	26
PIONEER	P0720Q CK	QR	107	263.0	27.0	1	33.9	1583	20
				Averages =	255.3	24.4	1	35.2	1565
				LSD (0.10) =	14.2	1.6	ns		
				LSD (0.25) =	7.5	0.8	ns		
				C.V. =	5.3				
				Historic yield: 199.21 bu/a, 21 yr(s)					

Jason Beyers

beyers@frontiernet.net, (815) 493-9005

Yield & Income Factors: Base Moisture = 15.0% Shrink = 1.3 Drying = \$0.04 Prices: GMO = \$6.50

Report Date: 10/10/2022

† 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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Full-Season Test	108 - 111 Day CRM B2022NCTS12b
Top 30 of 45	For Gross Income (Sorted by Yield) Average of (3) Replications
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SOIL DESCRIPTION:	Kenyon loam, mod. well drained, non-irrigated
SOIL CONDITION:	Conventional W/ Fall Till, very high P, very high K, 6.2 pH, 3.3% OM, 15.1 CEC
PEST MANAGEMENT:	Harness Xtra, Roundup, Callisto, Trivapro, Warrior, Force
FERTILITY - Applied N:	100 Fall, 100 Foliar Rescue
Applied N-P-K (units):	200-92-120
SEEDED - RATE - ROW:	May 16 37.5 /A 30" spacing
HARVESTED - STAND:	Oct 10 35.4 /A

TEST COMMENTS:

This location was not planted until mid-May, but started off great and had really uniform emergence. Received good rainfall until after the first week of August, then the spigot turned off. The plants were nice and healthy, with great stalk strength and good ear shanks. There was Tar Spot everywhere in the plot but it came late in the season. Ears were nice and girthy and filled to the tip. Really nice corn-on-corn plot.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
NuTech	68A9AM ↗	AM	108	286.9	27.0	1	36.6	1727	1
Renk	RK774VT2P ↗	VT2P	108	274.5	25.0	1	34.9	1674	2
FS InVision	FS 6025X RIB ↗	STX	110	273.1	27.9	1	35.7	1635	5
Dairyland	DS-4917AM ↗	AM	109	272.5	27.3	1	35.7	1637	4
FS InVision	FS 5815V RIB ↗	VT2P	108	272.0	25.3	1	34.8	1656	3
Jung	61SS613 ↗	STX	111	267.7	27.6	1	36.6	1605	6
Jung	58DP562 ↗	VT2P	108	265.6	27.2	1	34.8	1597	7
Renk	RK700SSTX ↗	STX	108	264.9	27.1	1	35.7	1593	8
NuTech	69B9Q ↗	QR	109	263.1	27.8	1	34.8	1575	9
Dyna-Gro	D48SS50RIB ↗	STX	108	262.8	27.9	1	35.7	1572	12
Pioneer	P0924Q GC ↗	QR	109	262.8	27.6	1	36.6	1575	10
NuTech	70F6Q ↗	QR	110	261.6	27.6	1	34.8	1569	13
NuTech	70B4AM ↗	AM	110	261.2	29.6	1	36.6	1545	19
Burrus	POWER PLUS 5U63AM ↗	AM	111	260.9	30.1	1	35.7	1539	20
Burrus	POWER PLUS 5L44AM ↗	AM	110	259.7	27.2	1	34.8	1561	16
Integra	5939 STXRIB ↗	STX	109	259.7	26.1	1	35.7	1573	11
Dyna-Gro	D51SS61 ↗	STX	111	258.9	31.1	1	35.7	1516	29
Dairyland	DS-5144Q ↗	QR	111	258.6	29.8	1	36.6	1527	25
Dairyland	DS-4878AM ↗	AM	108	258.4	26.3	1	33.9	1563	15
Burrus	POWER PLUS 5F17Q ↗	QR	110	257.0	29.1	1	34.8	1526	26
DeKalb	DKC111-33RIB GC ↗	STXP	111	257.0	26.9	1	34.8	1549	18
Wyffels	W5778RIB ↗	STX	109	256.9	28.2	1	35.7	1534	23
NK Brand	NK1026-DVZ ↗	VZ	110	256.6	27.9	1	36.6	1536	22
NuTech	68A7AM ↗	AM	108	256.1	27.4	1	35.7	1538	21
FS InVision	FS 6106X RIB ↗	STX	111	255.1	29.0	1	34.8	1515	30
Golden Harvest	G10D21-VZ ↗	VZ	110	255.0	28.2	1	34.8	1523	27
NK Brand	NK1188-D ↗	D	111	254.9	25.5	1	34.0	1550	17
Augusta	A1059-3330GT GC ↗	VZ	109	253.0	29.0	1	35.7	1503	31
Integra	5802 VT2PRIB ↗	VT2P	108	252.9	26.2	1	36.6	1530	24
Integra	6061 TRERIB ↗	TRE	110	252.5	27.1	1	34.8	1519	28
PIONEER	P0720Q CK	QR	107	258.9	26.6	1	34.8	1563	14
				Averages =	256.0	27.9	1	35.4	1533
				LSD (0.10) =	13.7	1.6	ns		
				LSD (0.25) =	7.2	0.9	ns		
				C.V. =	5.1				
				Historic yield: 199.21 bu/a, 21 yr(s)					

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

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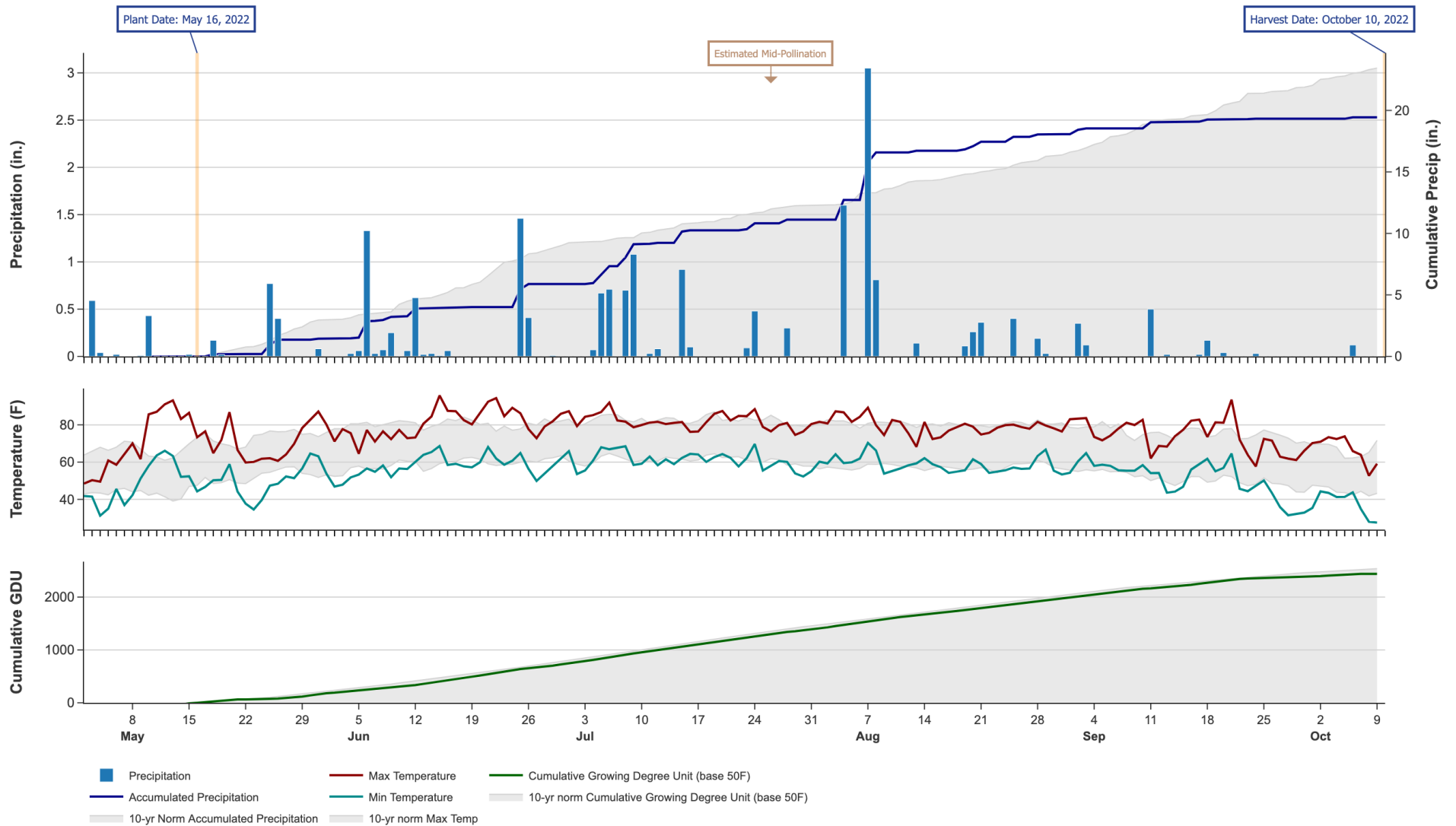
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2022 Corn - North Central Iowa, Tri-State Illinois & Wisconsin [NCTS]

Weather Conditions Summary at MANCHESTER, IA

Weather Data Retrieved: 10/10/2022

Monthly Total	May*	Jun	Jul	Aug	Sep	Oct*	Total
Precip (in) Normal (Diff)	2.5 4.7 (-2.1)	4.5 6.0 (-1.6)	5.2 3.3 (+2.0)	7.0 4.1 (+2.9)	1.2 5.5 (-4.3)	0.1 1.6 (-1.4)	20.6 25.1 (-4.6)
GDU Normal (Diff)	338 321 (+16)	562 584 (-22)	659 674 (-15)	587 588 (-1)	403 416 (-13)	63 75 (-12)	2612 2661 (-49)



* 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 - North Central Iowa, Tri-State Illinois & Wisconsin [NCTS]

Early-Season Test Products (45 Total)

Company/Brand	Product/Brand	Technology	RIB	RM	Seed Treat.
Augusta	A1956	PC,E	N	106	AC,P5V
Augusta	A22-250 GC	AA	Y	100	CM,C2
Augusta	A2856-5222-EZ GC	DV	Y	106	CM,C2
Augusta	A3655 VT2P	VT2P	N	104	AC250
Brevant	B00M18AM GC	AM1	Y	100	Lum, L1
Brevant	B01Z88AM GC	AM	Y	101	Lum, L1
Burrus	POWER PLUS 2J67Q	QR	Y	105	Lum, L1
Channel	202-24STXRIB GC	STX	Y	102	AC,P5V,EDC-B
Cornelius	C6400DGDP	VT2PDG	N	104	CM,C2,Vi
Cornelius	C6401SS	STX	N	104	CM,C2,Vi
Cornelius	C6525SSP	STXP	N	105	AC,P5V,EDC-B
Cornelius	C6724SS	STX	N	107	AC,P5
Dairyland	DS-4018AM	AM	Y	101	Lum, L1
Dairyland	DS-4219AM	AM	Y	102	Lum, L1
Dairyland	DS-4510Q	QR	Y	105	Lum, L1
Dairyland	DS-4567Q	QR	Y	105	Lum, L1
FS InVision	FS 5115X RIB	STX	Y	101	AC,P5V
FS InVision	FS 5125L1A EZR	AA	Y	101	CM,C2,Vi
FS InVision	FS 5525VDG RIB	VT2P	Y	105	AC,P2
FS InVision	FS 5594X RIB	STX	Y	105	AC,P5V
FS InVision	FS 5725X RIB	STX	Y	107	AC,P5V
Golden Harvest	G06A27-D	D	Y	106	AVC,C2,Vi,Va
Golden Harvest	G07G73-AA	AA	Y	107	AVC,C2,Vi,Va
Jung	56SP543	STXP	Y	106	AC,P5V,B360
Jung	56SS538	STX	Y	106	AC,P5V,B360
Jung	57DP553	VT2P	Y	107	AC,P5,B360
NK Brand	NK0696-D	D	Y	106	AVC,C2,Vi,Va
NK Brand	NK0748-D	D	Y	107	AVC,C2,Vi,Va
NuTech	64B5Q	QR	Y	104	Lum, L1
NuTech	64D1AM	AM,AQ	Y	104	Lum, L1
NuTech	65B2Q	QR	Y	105	Lum, L1
NuTech	66C2Q	QR	Y	106	Lum, L1
Pioneer	P0339Q GC	QR	Y	103	Lum, L1
Pioneer	P0720Q CK	QR	Y	107	Lum, L1
Renk	RK615SSTX	STX	Y	102	AC,P5V
Renk	RK625DGVT2P	VT2PDG	N	104	AC,P2
Renk	RK710DGVT2P	VT2PDG	Y	107	AC,P2
Renk	RK715SSTX	STX	Y	105	AC,P5V
Renk	RK720TRE	TRE	N	106	AC,P5V
Stone	0403SP	STXP	Y	104	AC,P5V,EDC-B
Stone	0603SP	STXP	Y	106	AC,P5V,EDC-B
Wyffels	W2656	VT2P	N	101	AC,P2

Company/Brand	Brand/Product	Technology	RIB	RM	Seed Treat.
Wyffels	W4025	TRE	N	105	AC,P2
Wyffels	W4198RIB	STX	Y	106	AC,P2
Wyffels	W5086RIB	VT2P	Y	107	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 - North Central Iowa, Tri-State Illinois & Wisconsin [NCTS]

Full-Season Test Products (45 Total)

Company/Brand	Product/Brand	Technology	RIB	RM	Seed Treat.
Augusta	A1059-3330GT GC	VZ	N	109	CM,C2
Augusta	A4961-5122-EZ GC	D	Y	111	AC,P5
Burrus	POWER PLUS 5F17Q	QR	Y	110	Lum, L1
Burrus	POWER PLUS 5L44AM	AM	Y	110	BPS
Burrus	POWER PLUS 5U63AM	AM	Y	111	Lum, L1
Cornelius	C6936SS	STX	N	109	CM,C2,Vi
Cornelius	C7021DP	VT2P	N	110	AC,P5V,EDC-B
Dairyland	DS-4878AM	AM	Y	108	Lum, L1
Dairyland	DS-4917AM	AM	Y	109	Lum, L1
Dairyland	DS-5095AM	AM	Y	110	Lum, L1
Dairyland	DS-5144Q	QR	Y	111	Lum, L1
Dairyland	DS-5161Q	QR	Y	111	Lum, L1
DeKalb	DKC111-33RIB GC	STXP	Y	111	AC,P5V,EDC-B
Dyna-Gro	D48SS50RIB	STX	Y	108	AC,P5V
Dyna-Gro	D51SS61	STX	N	111	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
FS InVision	FS 6106X RIB	STX	Y	111	AC,P5V
Golden Harvest	G10D21-VZ	VZ	Y	110	AVC,C2,CM,C5,Vi,Va
Golden Harvest	G11V76-AA	AA	Y	111	AVC,C2,CM,C5,Vi,Va
Integra	5802 VT2PRIB	VT2P	Y	108	AC,P5V,SU+Zn
Integra	5939 STXRIB	STX	Y	109	AC,P5V,SU+Zn
Integra	6061 TRERIB	TRE	Y	110	AC,P5V,SU+Zn
Jung	58DP562	VT2P	Y	108	AC,P5,B360
Jung	59SP573	STXP	Y	109	AC,P5V,B360
Jung	61SS613	STX	Y	111	AC,P5V,B360
NK Brand	NK1026-DVZ	VZ	Y	110	AVC,C2,CM,C5,Vi,Va
NK Brand	NK1188-D	D	Y	111	AVC,C2,CM,C5,Vi,Va
NuTech	68A7AM	AM	Y	108	Lum, L1
NuTech	68A9AM	AM	Y	108	Lum, L1
NuTech	69B9Q	QR	Y	109	Lum, L1
NuTech	70B4AM	AM	Y	110	Lum, L1
NuTech	70F6Q	QR	Y	110	Lum, L1
Pioneer	P0720Q CK	QR	Y	107	Lum, L1
Pioneer	P0924Q GC	QR	Y	109	Lum, L1
Renk	RK700SSTX	STX	N	108	AC,P5V
Renk	RK774VT2P	VT2P	N	108	AC,P2
Renk	RK801SSTX	STX	N	110	AC,P5V
Renk	RK805VT2P	VT2P	N	110	AC,P2
Renk	RK826VT2P	VT2P	N	111	AC,P2
Wyffels	W5778RIB	STX	Y	109	AC,P2

Company/Brand	Brand/Product	Technology	RIB	RM	Seed Treat.
Wyffels	W6826RIB	VT2P	Y	111	AC,P2
Wyffels	W6935	TRE	N	111	AC,P2
Wyffels	W6978RIB	STX	Y	111	AC,P2

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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®
AM1	Optimum® AcreMax®1 (HXT,LL,RR2)
AQ	Optimum® AQUAmax®
D	Duracade™ (CB,HX,RW,RW2,LL,GT), formerly Agrisure Duracade® 5122
DV	DuracadeViptera™ (Vip,CB,HX,RW,RW2,LL,GT), formerly Agrisure Duracade® 5222
E	Enlist™ (2,4-D, glyphosate, fop herbicide tolerance)
PC	PowerCore™
QR	Qrome™
STX	SmartStax®
STXP	SmartStax® Pro
TRE	Trecepta®
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
AC250	Acceleron® 250
AC,P2	Acceleron® 250
AC,P5	Acceleron® 500
AC,P5,B360	Acceleron® 500 with BioRise™ B-360 ST
AC,P5V	Acceleron® Poncho 500/Votivo
AC,P5V,B360	Acceleron® Poncho 500/Votivo with B-360 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+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®
BPS	Burrus PowerShield
CM,C2	CruiserMaxx® 250
CM,C2,Vi	CruiserMaxx® 250 with Vibrance
Lum, L1	(2022) LumiGEN, Lumisure 1250

* Seed treatments may include unspecified plant health promoting components.