

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

2021 Corn Grain Top 30 Harvest Report

Iowa South [IASO] LINEVILLE, IA
Bradley Vogel, Wayne County, IA 50147

Early-Season Test	106 - 111 Day CRM B2021IASO35a
Top 30 of 48	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Soybeans / Liberty, Ziduo Pro
SOIL DESCRIPTION:	Pershing silt loam, mod. well drained, non-irrigated
SOIL CONDITION:	No-Till, high P, high K, 5.9 pH, 4.1% OM, 13.6 CEC
PEST MANAGEMENT:	Parallel, Callaron, Buecaneer
FERTILITY - Applied N:	220 Fall, Sulfur 20, Boron 5
Applied N-P-K (units):	220-130-100
SEEDED - RATE - ROW:	Apr 27 35.0 /A 30" spacing
HARVESTED - STAND:	Oct 10 33.2 /A

TEST COMMENTS:

Planting went very well, but emergence struggled. Plants looked very good with minimal leaf diseases. Some stalk lodging was seen at harvest and starting to fall over. The early hybrids looked to be short girthy ears and the later maturity had long slender ears. During harvest, the plot received 3 short rainfalls and had to wait for plants to dry out to continue harvest. Cobs were strong and made shelling easy. The Vogels were pleased with the yields this year. Again, these soil and weather patterns make for yield variation across the fields. They were predicting lower yields just based on past history weather patterns.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
NuTech	70A8AM ↗	AM	110	240.6	15.0	4	33.8	1287	2
Augusta	A1259-5222 ↗	5222	109	237.4	16.0	2	33.8	1263	4
FS InVision	FS 6194V RIB ↗	VT2P	111	237.2	14.7	7	32.9	1269	3
Golden Harvest	G07G73-5122 EZR ↗	5122	107	235.9	15.0	1	33.8	1262	5
Wyffels	W5086RIB ↗	VT2P	107	235.7	14.9	1	33.8	1261	6
FS InVision	FS 5815V RIB ↗	VT2P	108	233.9	14.6	1	33.8	1251	7
NuTech	68B3AML ↗	AML	108	233.5	15.2	3	34.8	1248	8
Renk	RK821SSTX ↗	STX	111	226.8	15.2	6	31.9	1212	10
Channel	209-15VT2PRIB GC ↗	VT2P	109	226.8	14.6	4	32.9	1213	9
NK Brand	NK1188-3120 EZR ↗	3120	111	226.2	15.7	2	33.8	1205	12
Renk	RK826VT2P ↗	VT2P	111	225.4	14.5	4	31.9	1206	11
Kruger	K1005DP ↗	VT2P	110	223.0	14.8	2	31.9	1193	13
Augusta	A4858-5122-EZ ↗	5122	108	223.0	15.1	11	33.8	1192	15
Kruger	K0917SS ↗	STX	109	222.9	14.7	10	33.8	1193	14
Integra	6162 VT2PRIB ↗	VT2P	111	220.0	15.0	9	33.8	1177	16
Wyffels	W6978RIB ↗	STX	111	219.8	14.7	6	33.8	1176	17
Golden Harvest	G10D21-3330 EZR ↗	3330	110	219.8	14.8	1	33.8	1176	18
Augusta	A4961-5122-EZ ↗	5122	111	219.7	15.4	1	33.8	1173	20
Hoegemeyer	8084AM ↗	AM	110	219.4	14.5	4	33.8	1174	19
Integra	5802 VT2PRIB ↗	VT2P	108	217.7	14.3	5	33.8	1165	21
Golden Harvest	G10L16-5222 EZR ↗	5222	110	217.7	15.2	4	33.8	1163	22
NuTech	68A7AM ↗	AM	108	216.8	14.7	1	33.8	1160	23
Taylor	EXP C-111-22 VT2P ↗	VT2P	111	216.6	15.5	4	32.9	1156	25
NuTech	70F2Q ↗	QR	110	216.3	14.7	3	33.8	1157	24
FS InVision	FS 6017V RIB ↗	VT2P	110	214.8	14.3	2	33.8	1149	26
Integra	6061 TRERIB ↗	TRE	110	214.6	15.6	7	32.9	1144	28
Wyffels	W6826RIB ↗	VT2P	111	214.2	14.3	1	31.9	1146	27
Kruger	K0858DP ↗	VT2P	108	213.2	14.9	5	33.8	1141	29
Integra	5719 VT2PRIB ↗	VT2P	107	211.6	14.5	1	33.8	1132	30
Wyffels	W6906RIB ↗	VT2P	111	209.8	14.8	17	32.9	1122	31
Pioneer	P0953AM CK	AM	109	249.1	15.3	1	33.8	1330	1
				Averages =	215.5	14.9	4	33.2	1152
				LSD (0.10) =	11.2	0.5	5		
				LSD (0.25) =	5.9	0.3	3		
				C.V. =	4.9				
Randy Meinsma				Historic yield: 196.58 bu/a, 6 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: 10/11/2021

† 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 South [IASO] LINEVILLE, IA

Bradley Vogel, Wayne County, IA 50147

Full-Season Test	112 - 116 Day CRM B2021IASO35b
Top 30 of 48	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Soybeans / Liberty, Ziduo Pro
SOIL DESCRIPTION:	Pershing silt loam, mod. well drained, non-irrigated
SOIL CONDITION:	No-Till, high P, high K, 5.9 pH, 4.1% OM, 13.6 CEC
PEST MANAGEMENT:	Parallel, Callaron, Buecaneer
FERTILITY - Applied N:	220 Fall, Sulfur 20, Boron 5
Applied N-P-K (units):	220-130-100
SEEDED - RATE - ROW:	Apr 27 35.0 /A 30" spacing
HARVESTED - STAND:	Oct 10 33.3 /A

TEST COMMENTS:

Planting went very well, but emergence struggled. Plants looked very good with minimal leaf diseases. Some stalk lodging was seen at harvest and starting to fall over. The early hybrids looked to be short girthy ears and the later maturity had long slender ears. During harvest, the plot received 3 short rainfalls and had to wait for plants to dry out to continue harvest. Cobs were strong and made shelling easy. The Vogels were pleased with the yields this year. Again, these soil and weather patterns make for yield variation across the fields. They were predicting lower yields just based on past history weather patterns.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Integra	6555 VT2PRIB ↗	VT2P	114	259.9	15.3	7	33.8	1388	1
NuTech	72D4AM ↗	AM	112	258.8	16.0	2	32.9	1377	2
Golden Harvest	G16Q82-3120A EZR ↗	3120A	116	251.7	16.3	1	34.8	1337	3
Dyna-Gro	D55VC80 ↗	VT2P	115	251.2	17.0	3	32.9	1329	4
Taylor	EXP C-112-22 VT2P ↗	VT2P	112	247.9	16.2	3	32.9	1318	5
Taylor	8824 VT2PRIB ↗	VT2P	113	247.8	16.0	6	33.8	1318	6
Wyffels	W7956RIB ↗	VT2P	114	246.7	15.7	4	32.9	1315	7
NuTech	72B7Q ↗	QR	112	246.3	16.0	2	32.9	1310	9
FS InVision	FS 6217X RIB ↗	STX	112	243.8	16.3	2	31.9	1295	11
Wyffels	W7536DG ↗	VT2PDG	112	243.6	15.7	3	33.8	1298	10
NK Brand	NK1523-3220 EZR ↗	3220	115	243.5	16.5	1	32.9	1292	13
Wyffels	W7876RIB ↗	VT2P	114	243.3	15.9	2	33.8	1295	12
FS InVision	FS 6595V RIB ↗	VT2P	115	241.3	16.7	6	32.9	1278	14
FS InVision	FS 6406X RIB ↗	STX	114	240.4	16.5	1	32.9	1275	15
Integra	6410 VT2PRIB ↗	VT2P	114	238.9	16.4	2	31.9	1268	16
Kruger	K1501DP ↗	VT2P	115	236.4	16.5	4	33.8	1254	20
Renk	RK937VT2P ↗	VT2P	113	235.9	15.4	1	32.9	1259	17
FS InVision	FS 6306T RIB ↗	TRE	113	235.4	15.7	4	34.8	1255	18
Renk	RK882TRE ↗	TRE	111	235.4	15.6	2	32.9	1255	19
Hoegemeyer	8371AML ↗	AML	113	235.0	16.6	1	32.9	1246	24
NuTech	74A9AM ↗	AM	114	234.5	15.6	3	32.9	1250	21
Golden Harvest	G15J91-3220 EZR ↗	3220	115	234.5	16.0	1	33.8	1247	23
Kruger	K1237DT ↗	TRE	112	234.0	15.6	1	34.8	1248	22
NK Brand	NK1349-3220 EZR ↗	3220	113	233.4	16.2	1	33.8	1240	25
Taylor	EXP C-114-22 VT2P ↗	VT2P	114	233.2	16.4	14	32.9	1238	26
Hoegemeyer	8447AM ↗	AM	114	232.9	16.3	1	33.8	1237	27
Taylor	8013 VT2PDGRIB ↗	VT2PDG	112	230.5	16.0	2	32.9	1226	29
FS InVision	FS 6395VDG RIB ↗	VT2PDG	113	230.4	15.6	2	34.8	1228	28
Integra	6342 TRERIB ↗	TRE	113	229.9	16.1	2	34.8	1222	30
Kruger	K1541SS ↗	STX	115	229.8	16.0	3	33.8	1222	31
Pioneer	P0953AM CK	AM	109	247.1	16.1	1	32.9	1314	8
				Averages =	232.3	16.2	3	33.3	1235
				LSD (0.10) =	9.3	0.6	ns		
				LSD (0.25) =	4.9	0.3	ns		
				C.V. =	3.8				
Randy Meinsma				Historic yield: 196.58 bu/a, 6 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: 10/11/2021

† 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

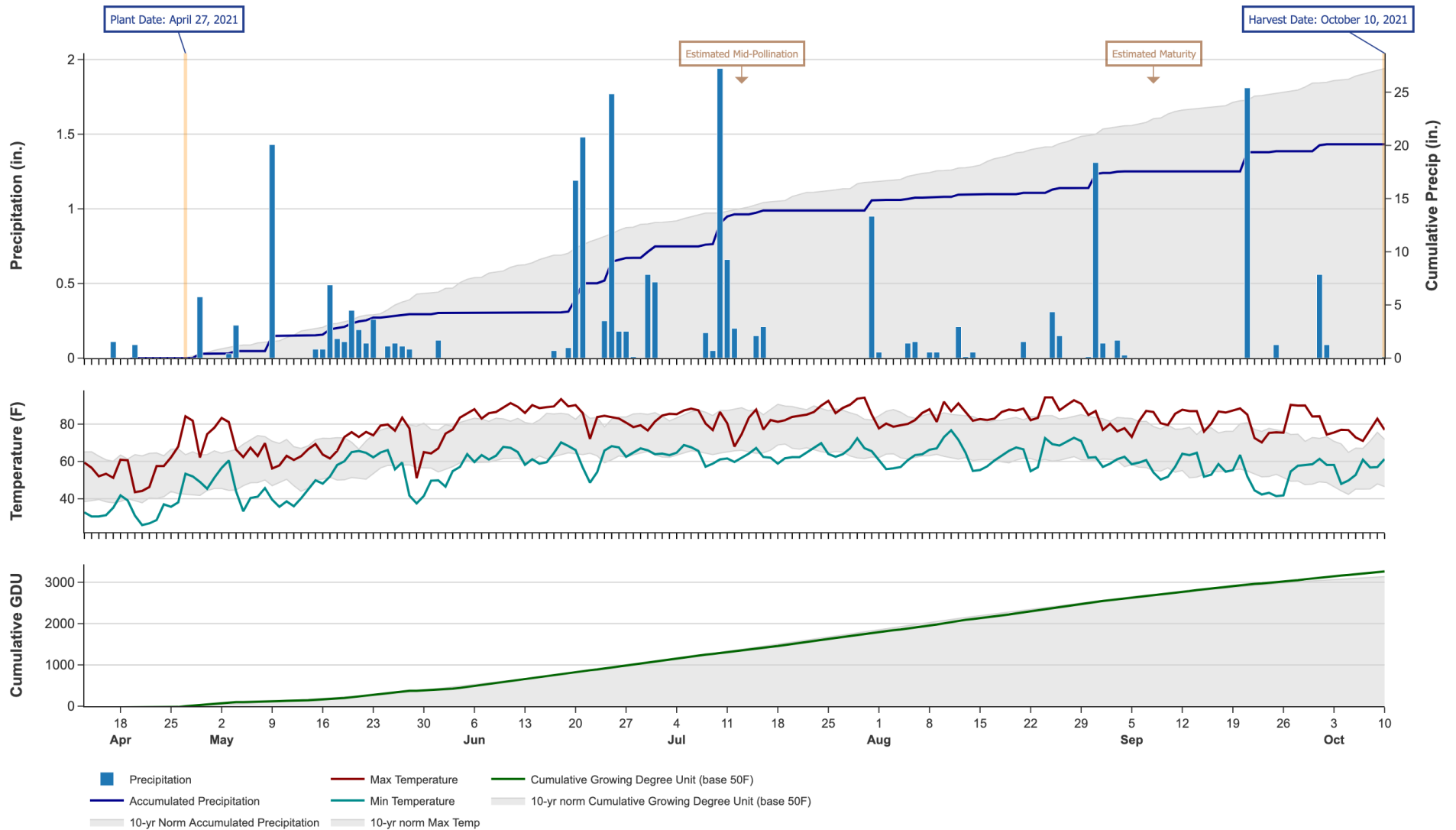
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2021 Corn - Iowa South [IASO]

Weather Conditions Summary at LINEVILLE, IA

Monthly Total	Apr*	May	Jun	Jul	Aug	Sep	Oct*	Total
Precip (in) Normal (Diff)	0.6 3.0 (-2.4)	3.7 5.6 (-1.9)	5.9 6.4 (-0.6)	4.8 3.9 (+0.9)	2.5 4.5 (-2.0)	2.1 4.8 (-2.7)	0.7 1.4 (-0.7)	20.3 29.7 (-9.4)
GDU Normal (Diff)	68 112 (-44)	351 378 (-27)	668 661 (+6)	732 778 (-46)	745 707 (+37)	564 488 (+75)	167 101 (+65)	3295 3227 (+67)



* 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 South [IASO]

Early-Season Test Products (48 Total)

Company/Brand	Product/Brand	Technology	RIB	RM	Seed Treat.
AgriGold	A636-16VT2PRIB GC	VT2P	Y	106	AC,P5V
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	A4858-5122-EZ	5122	Y	108	CM,C2
Augusta	A4961-5122-EZ	5122	Y	111	AVC,C5
Channel	209-15VT2PRIB GC	VT2P	Y	109	AC,P2,B360
Dyna-Gro	D50VC09	VT2P	N	110	AC,P5V,B-300
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
FS InVision	FS 6106X RIB	STX	Y	111	AC,P5V
FS InVision	FS 6194V RIB	VT2P	Y	111	AC,P5V
Golden Harvest	G07G73-5122 EZR	5122	Y	107	AVC,C2,Vi
Golden Harvest	G08R52-3220 EZR	3220	Y	108	AVC,C5,Vi
Golden Harvest	G10D21-3330 EZR	3330	Y	110	AVC,C5,Vi
Golden Harvest	G10L16-5222 EZR	5222	Y	110	AVC,C5,Vi
Golden Harvest	G11V76-5122 EZR	5122	Y	111	AVC,C5,Vi
Hoegemeyer	8009AM	AM	Y	110	Lum
Hoegemeyer	8084AM	AM	Y	110	Lum
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
Integra	6162 VT2PRIB	VT2P	Y	111	AC,P5V,EDC-B
Kruger	K0858DP	VT2P	Y	108	AC,P5,EDC
Kruger	K0915DD	VT2PDG	Y	109	AC,P5,EDC
Kruger	K0917SS	STX	Y	109	AC,P5V,EDC-B
Kruger	K1005DP	VT2P	Y	110	AC,P2
Kruger	K1191DT	TRE	Y	111	AC,P5,EDC
NK Brand	NK1188-3120 EZR	3120	Y	111	AVC,C5,Vi
NuTech	68A7AM	AM	Y	108	Lum,P1V
NuTech	68B3AML	AML	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	RK805VT2P	VT2P	N	110	AC,P2
Renk	RK821SSTX	STX	N	111	AC,P5V
Renk	RK826VT2P	VT2P	N	111	AC,P5V
Taylor	6011 VT2P	VT2P	N	111	AC,P2
Taylor	9907 VT2P	VT2P	N	107	AC,P2

Company/Brand	Brand/Product	Technology	RIB	RM	Seed Treat.
Taylor	EXP C-111-22 VT2P	VT2P	N	111	AC,P2
Wyffels	W5086RIB	VT2P	Y	107	AC,P2
Wyffels	W6408RIB	STX	Y	110	AC,P5V
Wyffels	W6826RIB	VT2P	Y	111	AC,P2
Wyffels	W6906RIB	VT2P	Y	111	AC,P2
Wyffels	W6978RIB	STX	Y	111	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 South [IASO]

Full-Season Test Products (48 Total)

Company/Brand	Product/Brand	Technology	RIB	RM	Seed Treat.
AgriGold	A645-16VT2RIB GC	VT2P	Y	115	AC,P5V
Dyna-Gro	D55VC80	VT2P	N	115	AC,P5V
FS InVision	FS 6217X RIB	STX	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	G12S75-5122 EZR	5122	Y	112	AVC,C5,Vi
Golden Harvest	G13D55-3220 EZR	3220	Y	113	AVC,C5,Vi
Golden Harvest	G13P84-3120 EZR	3120	Y	113	AVC,C5,Vi
Golden Harvest	G15J91-3220 EZR	3220	Y	115	AVC,C5,Vi
Golden Harvest	G16Q82-3120A EZR	3120A	Y	116	AVC,C5,Vi
Hoegemeyer	8371AML	AML	Y	113	Lum,P1V
Hoegemeyer	8447AM	AM	Y	114	Lum,P1V
Hoegemeyer	8518AM	AM	Y	115	Lum
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
Integra	6641 VT2PRIB	VT2P	Y	116	AC,P5V,SU
Kruger	K1237DT	TRE	Y	112	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
Kruger	K1541SS	STX	Y	115	AC,P5V,EDC-B
NK Brand	NK1349-3220 EZR	3220	Y	113	AVC,C5,Vi
NK Brand	NK1460-5222 EZR	5222	Y	114	AVC,C5,Vi
NK Brand	NK1523-3220 EZR	3220	Y	115	AVC,C5,Vi
NK Brand	NK1661-3120A EZR	3120A	Y	116	AVC,C5,Vi
NuTech	72B7Q	QR	Y	112	Lum,P1V
NuTech	72D4AM	AM	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
Renk	RK882TRE	TRE	N	111	AC,P2
Renk	RK915VT2P	VT2P	N	115	AC,P5V
Renk	RK937VT2P	VT2P	Y	113	AC,P2
Renk	RK945DGV2P	VT2PDG	Y	116	AC,P2
Taylor	8013 VT2PDGRIB	VT2PDG	Y	112	CM,C2,Vi
Taylor	8824 VT2PRIB	VT2P	Y	113	CM,C2,Vi
Taylor	9915 VT2P	VT2P	N	115	CM,C2,Vi
Taylor	EXP C-112-22 VT2P	VT2P	N	112	AC,P2

Company/Brand	Brand/Product	Technology	RIB	RM	Seed Treat.
Taylor	EXP C-114-22 VT2P	VT2P	N	114	AC,P2
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
Wyffels	W8936DGRIB	VT2PDG	Y	117	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)
3120A	Agrisure® Artesian® 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®
AML	Optimum® AcreMax® Leptra® (Vip,YGCB,HX,LL,RR2)
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,B360	Acceleron® 250 with BioRise™ B-360 ST
AC,P2,SU	Acceleron® 250, StepUp
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	Avicta® Complete 500
AVC,C5,Vi	Avicta® Complete 500, Vibrance
CM,C2	CruiserMaxx® 250
CM,C2,Vi	CruiserMaxx® 250 with Vibrance
Lum	LumiGEN™ (Corteva Agriscience)
Lum,P1V	LumiGEN™ Poncho 1250/Votivo
Treated	Treated seed, unspecified

* Seed treatments may include unspecified plant health promoting components.