

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

2021 Corn Grain Top 30 Harvest Report

Iowa South [IASO] CLARINDA, IA
Mike & Ben Vardaman, Taylor County, IA 51632

Early-Season Test	106 - 111 Day CRM B2021IASO31a
Top 30 of 48	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Soybeans / Liberty
SOIL DESCRIPTION:	Macksburg sandy clay loam, well drained, non-irrigated
SOIL CONDITION:	No-Till, medium P, very high K, 6.2 pH, 3.5% OM, 18.5 CEC
PEST MANAGEMENT:	Callisto, Stalwart C, Atrazine, Realm Q, Round Up, 2-4d
FERTILITY - Applied N:	164 Fall, 23 Foliar Rescue
Applied N-P-K (units):	187-0-0
SEEDED - RATE - ROW:	Apr 22 35.0 /A 30" spacing
HARVESTED - STAND:	Oct 7 32.4 /A

TEST COMMENTS:

Planting conditions were very good and plants emerged well. Plants were average height and pollination was very good; ears were girthy with good seed depth. Plant health was good and minimal leaf diseases could be seen. Stalks were strong and standing strong with very little lodging. Shelling was performed with ease with strong cobs. The plot was located on the top part of the field, and Ben informed me that the plot has received 21.6 inches of rain since Jan 1. Variation in yields could be seen across the field were notably better where the soil could retain the moisture. Ben was pleased with the yields they were harvesting this year.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Kruger	K0915DD ↗	VT2PDG	109	285.0	14.5	1	32.9	1525	1
AgriGold	A636-16VT2PRIB GC ↗	VT2P	106	283.5	16.1	1	32.9	1507	3
NuTech	70A8AM ↗	AM	110	283.0	15.7	1	32.9	1508	2
Renk	RK821SSTX ↗	STX	111	281.6	15.1	1	31.9	1505	4
Integra	6162 VT2PRIB ↗	VT2P	111	279.7	16.4	1	32.9	1485	5
Taylor	9907 VT2P ↗	VT2P	107	277.3	15.1	1	30.0	1482	6
Wyffels	W6978RIB ↗	STX	111	269.7	14.9	1	31.9	1443	7
NuTech	69B9Q ↗	QR	109	268.6	15.5	1	32.9	1433	8
Taylor	EXP C-111-22 VT2P ↗	VT2P	111	267.2	15.6	1	33.8	1425	9
Golden Harvest	G08R52-3220 EZR ↗	3220	108	266.2	15.3	1	32.9	1422	10
Augusta	A1259-5222 ↗	5222	109	265.7	15.7	1	32.9	1416	11
Golden Harvest	G10D21-3330 EZR ↗	3330	110	264.7	15.0	1	32.9	1416	12
FS InVision	FS 5815V RIB ↗	VT2P	108	264.7	14.6	1	32.9	1416	13
NuTech	68A7AM ↗	AM	108	263.9	14.9	1	32.9	1412	14
NuTech	70F2Q ↗	QR	110	263.5	15.2	1	31.9	1408	15
FS InVision	FS 6017V RIB ↗	VT2P	110	262.3	14.6	1	31.9	1403	16
Dyna-Gro	D50VC09 ↗	VT2P	110	260.3	14.9	1	31.9	1393	17
Kruger	K1191DT ↗	TRE	111	260.2	15.4	1	31.9	1389	18
Wyffels	W6826RIB ↗	VT2P	111	258.8	15.4	1	32.9	1381	19
Wyffels	W6408RIB ↗	STX	110	257.8	15.2	1	32.9	1377	20
Golden Harvest	G10L16-5222 EZR ↗	5222	110	257.7	15.8	1	31.9	1373	23
Integra	6061 TRERIB ↗	TRE	110	257.6	15.6	1	30.9	1374	22
Augusta	A4961-5122-EZ ↗	5122	111	257.5	15.3	1	31.9	1375	21
FS InVision	FS 5909D2A EZR ↗	5222A	109	256.6	15.8	1	32.9	1366	27
Taylor	6011 VT2P ↗	VT2P	111	256.5	15.6	1	32.9	1367	25
Integra	5802 VT2PRIB ↗	VT2P	108	255.6	14.6	1	32.9	1367	26
Kruger	K1005DP ↗	VT2P	110	254.7	14.8	1	30.9	1363	28
NuTech	68B3AML ↗	AML	108	253.7	15.2	1	32.9	1356	29
Kruger	K0858DP ↗	VT2P	108	253.7	15.3	1	32.9	1355	30
Hoegemeyer	8084AM ↗	AM	110	253.3	15.3	1	31.9	1353	31
Pioneer	P0953AM CK	AM	109	256.2	15.4	1	32.9	1368	24
				Averages =	257.4	15.2	1	32.4	1375
				LSD (0.10) =	9.0	0.6	ns		
				LSD (0.25) =	4.7	0.3	ns		
				C.V. =	3.3				
Randy Meinsma				Historic yield: 203.83 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: 10/09/2021

† 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] CLARINDA, IA

Mike & Ben Vardaman, Taylor County, IA 51632

Full-Season Test	112 - 116 Day CRM B2021IASO31b
Top 30 of 48	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Soybeans / Liberty
SOIL DESCRIPTION:	Macksburg sandy clay loam, well drained, non-irrigated
SOIL CONDITION:	No-Till, medium P, very high K, 6.2 pH, 3.5% OM, 18.5 CEC
PEST MANAGEMENT:	Callisto, Stalwart C, Atrazine, Realm Q, Round Up, 2-4d
FERTILITY - Applied N:	164 Fall, 23 Foliar Rescue
Applied N-P-K (units):	187-0-0
SEEDED - RATE - ROW:	Apr 22 35.0 /A 30" spacing
HARVESTED - STAND:	Oct 7 32.4 /A

TEST COMMENTS:

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Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Renk	RK937VT2P ↗	VT2P	113	278.8	16.4	1	31.9	1480	1
Hoegemeyer	8447AM ↗	AM	114	272.4	16.9	1	33.8	1442	2
Golden Harvest	G16Q82-3120A EZR ↗	3120A	116	269.8	17.6	1	31.9	1422	3
Taylor	EXP C-114-22 VT2P ↗	VT2P	114	267.4	17.2	1	31.9	1413	5
NuTech	74F3AM ↗	AM	114	267.3	17.0	1	33.8	1414	4
NuTech	72D4AM ↗	AM	112	266.3	17.2	1	33.8	1407	7
Kruger	K1237DT ↗	TRE	112	266.1	16.8	1	32.9	1410	6
NuTech	74B6AM ↗	AM	114	265.8	17.3	1	33.8	1403	9
Taylor	8824 VT2PRIB ↗	VT2P	113	265.4	16.7	1	31.9	1406	8
Dyna-Gro	D55VC80 ↗	VT2P	115	263.9	17.9	1	31.9	1389	10
Kruger	K1501DP ↗	VT2P	115	262.8	17.7	1	31.9	1384	11
Wyffels	W7876RIB ↗	VT2P	114	260.3	17.9	1	34.8	1370	12
Taylor	8013 VT2PDGRIB ↗	VT2PDG	112	256.2	16.1	1	32.9	1362	13
NuTech	74A9AM ↗	AM	114	255.1	18.0	1	32.9	1342	20
Kruger	K1313DD ↗	VT2PDG	113	255.0	16.3	1	30.9	1354	16
Integra	6342 TRERIB ↗	TRE	113	254.8	15.7	1	31.9	1358	15
Hoegemeyer	8371AML ↗	AML	113	254.4	15.9	1	32.9	1354	17
Golden Harvest	G13D55-3220 EZR ↗	3220	113	253.3	16.4	1	30.9	1345	19
Wyffels	W7536DG ↗	VT2PDG	112	253.2	17.1	1	31.9	1338	22
Taylor	EXP C-112-22 VT2P ↗	VT2P	112	253.2	15.5	1	32.9	1351	18
NK Brand	NK1523-3220 EZR ↗	3220	115	253.0	17.5	1	32.9	1335	23
Renk	RK945DGVT2P ↗	VT2PDG	116	252.8	17.9	1	31.9	1330	26
NK Brand	NK1460-5222 EZR ↗	5222	114	252.7	16.7	1	32.9	1339	21
Golden Harvest	G15J91-3220 EZR ↗	3220	115	252.6	17.6	1	30.9	1332	25
Integra	6555 VT2PRIB ↗	VT2P	114	252.1	17.0	1	31.9	1334	24
Kruger	K1327DT ↗	TRE	113	251.1	16.8	1	32.9	1330	27
NK Brand	NK1661-3120A EZR ↗	3120A	116	251.1	17.3	1	33.8	1326	29
Renk	RK915VT2P ↗	VT2P	115	250.9	16.7	1	31.9	1329	28
FS InVision	FS 6395VDG RIB ↗	VT2PDG	113	248.2	16.7	1	33.8	1315	30
Golden Harvest	G12S75-5122 EZR ↗	5122	112	247.6	16.6	1	30.9	1313	31
Pioneer	P0953AM CK	AM	109	254.9	15.5	1	31.9	1360	14
				Averages =	249.5	16.9	1	32.4	1321
				LSD (0.10) =	11.1	0.7	ns		
				LSD (0.25) =	5.8	0.4	ns		
				C.V. =	4.2				
				Historic yield: 203.83 bu/a, 6 yr(s)					



Randy Meinsma

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

† 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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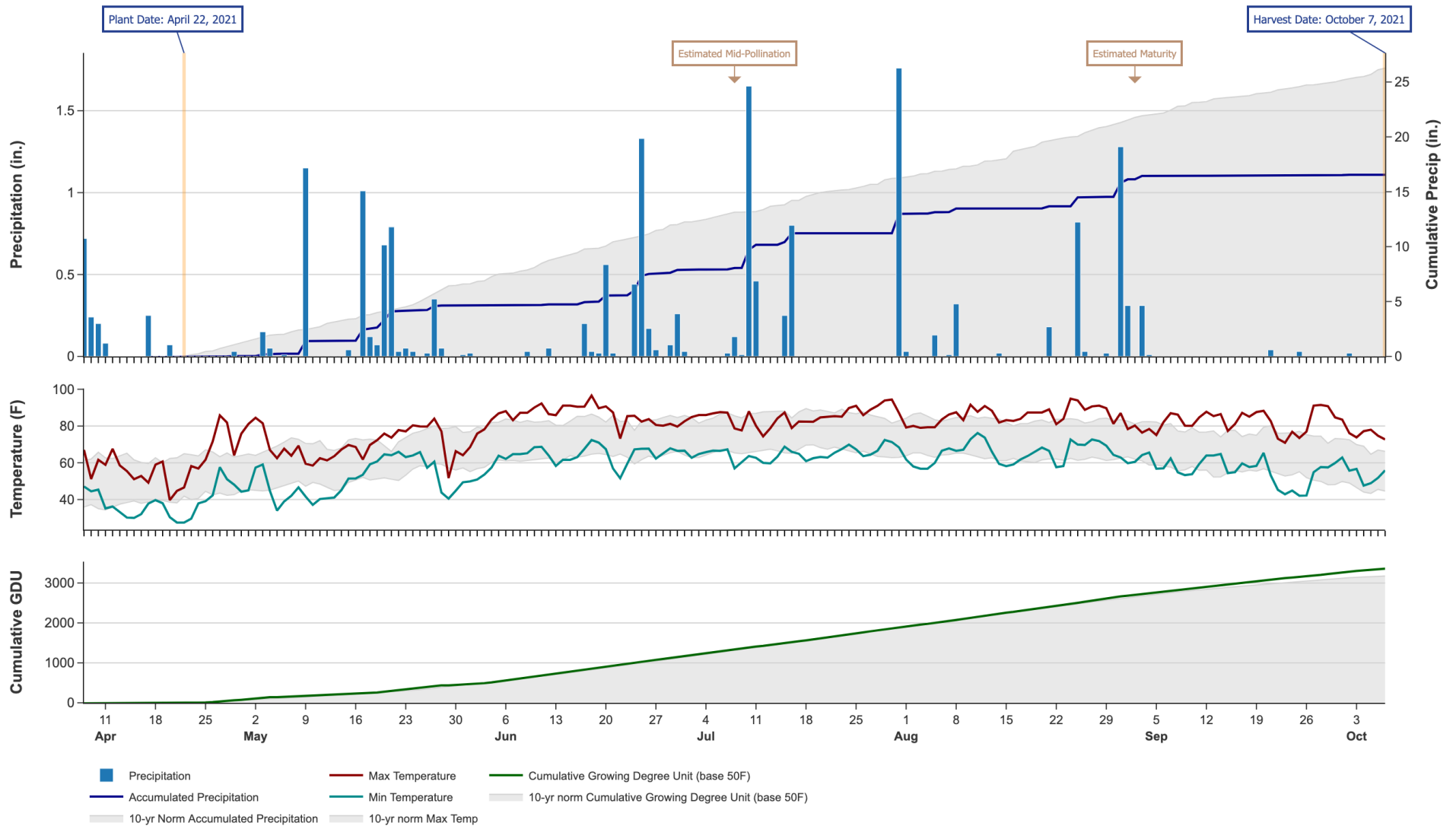
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2021 Corn - Iowa South [IASO]

Weather Conditions Summary at CLARINDA, IA

Weather Data Retrieved: 10/27/2021

Monthly Total	Apr*	May	Jun	Jul	Aug	Sep	Oct*	Total
Precip (in) Normal (Diff)	1.6 3.2 (-1.6)	4.6 5.4 (-0.8)	3.2 5.4 (-2.2)	5.1 4.2 (+0.9)	2.8 5.1 (-2.2)	0.7 3.7 (-3.0)	0.0 1.3 (-1.2)	18.1 28.2 (-10.1)
GDU Normal (Diff)	98 112 (-14)	378 378 (0)	693 670 (+22)	755 790 (-35)	763 716 (+46)	584 493 (+90)	110 66 (+43)	3381 3229 (+151)



* 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.