

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

## 2022 Corn Grain Top 30 Harvest Report

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

<b>Early-Season Test</b>	<b>106 - 111</b> Day CRM B2022IASO31a
<b>Top 30 of 45</b>	For Gross Income (Sorted by Yield) Average of (3) Replications
<b>PREV. CROP/HERB:</b>	Soybeans / Liberty
<b>SOIL DESCRIPTION:</b>	Sharpsburg silty clay loam, mod. well drained, non-irrigated
<b>SOIL CONDITION:</b>	No-Till, low P, high K, 6.3 pH, 3.5% OM, 18.4 CEC
<b>PEST MANAGEMENT:</b>	Stalwart C, Realm Q, 2-4-D, Glyphosate
<b>FERTILITY - Applied N:</b>	148 Spring, 23 Foliar Rescue
<b>Applied N-P-K (units):</b>	171-0-0
<b>SEEDED - RATE - ROW:</b>	May 10 35.0 /A 30" spacing
<b>HARVESTED - STAND:</b>	Oct 21 33.3 /A

### TEST COMMENTS:

*Planting conditions were very good and plants emerged well. Drought conditions affected this plot. Plants were short and various ear sizes could be seen. Some ears had tipback and zipper ears. Seed size was small. The plants looked healthy. Ben said that just a few miles away in different directions you could see better yields or even lower yields. The plot location is very uniform and has produced interesting yields this year in which you can see the major effects of drought stress.*

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
AgriGold	A640-12STX GC ↗	STX	110	<b>199.2</b>	13.9	1	33.8	1289	1
Taylor	6012 TRE ↗	TRE	111	<b>198.2</b>	13.9	2	32.9	1282	2
Wyffels	W5086RIB ↗	VT2P	107	<b>192.2</b>	14.1	1	33.8	1244	3
NK Brand	NK0877-V ↗	V	108	<b>188.7</b>	14.5	1	31.9	1221	4
Augusta	A1259-5222 ↗	DV	109	<b>188.1</b>	13.8	1	32.9	1217	5
Golden Harvest	G11V76-D ↗	D	111	<b>185.0</b>	13.9	1	33.8	1197	6
Golden Harvest	G10L16-DV ↗	DV	110	<b>184.8</b>	13.9	1	33.8	1196	7
AgriGold	A636-16VT2PRIB GC ↗	VT2P	106	<b>183.9</b>	13.2	1	32.9	1190	8
Wyffels	W6935 ↗	TRE	111	<b>181.6</b>	13.9	1	33.8	1175	9
Integra	5802 VT2PRIB ↗	VT2P	108	<b>176.2</b>	13.3	2	33.8	1140	10
Renk	RK821SSTX ↗	STX	111	<b>168.3</b>	13.8	1	31.9	1089	11
NuTech	70B4AM ↗	AM	110	<b>167.9</b>	14.0	1	34.8	1086	12
NuTech	70A8AM ↗	AM	110	<b>165.5</b>	14.0	1	31.9	1071	13
Kruger	K1005DP ↗	VT2P	110	<b>165.3</b>	14.0	1	33.8	1069	14
NuTech	68A7AM ↗	AM	108	<b>164.9</b>	13.5	1	33.8	1067	15
Kruger	K1139SS ↗	STX	111	<b>164.0</b>	14.2	1	33.8	1061	16
NK Brand	NK1188-AA ↗	AA	111	159.0	14.4	2	33.8	1029	17
Integra	6061 TRERIB ↗	TRE	110	157.2	14.5	1	32.9	1017	18
Dyna-Gro	D48VC84 ↗	VT2P	108	156.7	13.8	1	33.8	1014	19
Integra	5719 VT2PRIB ↗	VT2P	107	153.9	13.2	1	31.9	996	20
Renk	RK805VT2P ↗	VT2P	110	152.9	14.0	1	33.8	989	21
Dyna-Gro	D50VC78 ↗	VT2P	110	152.3	13.1	1	32.9	985	22
Renk	RK774VT2P ↗	VT2P	108	152.1	13.5	1	33.8	984	23
FS InVision	FS 6025X RIB ↗	STX	110	151.7	13.2	1	30.9	981	24
Renk	RK801SSTX ↗	STX	110	150.0	13.8	1	33.8	970	25
Hoegemeyer	7843 AM ↗	AM	108	149.9	13.3	1	32.9	970	26
AgriGold	A641-85TRCRIB GC ↗	TRE	111	142.7	14.5	1	32.9	923	27
Taylor	9912 VT2P ↗	VT2P	111	142.4	15.4	1	31.9	919	28
Wyffels	W6826RIB ↗	VT2P	111	141.3	12.8	1	32.9	914	29
Kruger	K1191DT ↗	TRE	111	138.8	13.7	1	32.9	898	30
PIONEER	P0953AM CK	AM	109	127.2	13.4	1	33.8	823	36



Randy Meinsma

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Averages =	<b>150.3</b>	<b>13.7</b>	<b>1</b>	<b>33.3</b>	<b>972</b>
LSD (0.10) =	11.1	0.5	ns		
LSD (0.25) =	5.8	0.3	ns		
C.V. =	7.0				

Historic yield: 214.18 bu/a, 7 yr(s)

**Yield & Income Factors:** Base Moisture = 15.0% Shrink = 1.3 Drying = \$0.04 Prices: GMO = \$6.47

Report Date: 10/21/2022

† 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 South [IASO] CLARINDA, IA

Mike & Ben Vardaman, Taylor County, IA 51632

<b>Full-Season Test</b>	112 - 116 Day CRM B2022IASO31b
<b>Top 30 of 45</b>	For Gross Income (Sorted by Yield) Average of (3) Replications
<b>PREV. CROP/HERB:</b>	Soybeans / Liberty
<b>SOIL DESCRIPTION:</b>	Sharpsburg silty clay loam, mod. well drained, non-irrigated
<b>SOIL CONDITION:</b>	No-Till, low P, high K, 6.3 pH, 3.5% OM, 18.4 CEC
<b>PEST MANAGEMENT:</b>	Stalwart C, Realm Q, 2-4-D, Glyphosate
<b>FERTILITY - Applied N:</b>	148 Spring, 23 Foliar Rescue
<b>Applied N-P-K (units):</b>	171-0-0
<b>SEEDED - RATE - ROW:</b>	May 10 35.0 /A 30" spacing
<b>HARVESTED - STAND:</b>	Oct 21 33.6 /A

### TEST COMMENTS:

Planting conditions were very good and plants emerged well. Drought conditions affected this plot. Plants were short and various ear sizes could be seen. Some ears had tipback and zipper ears. Seed size was small. The plants looked healthy. Ben said that just a few miles away in different directions you could see better yields or even lower yields. The plot location is very uniform and has produced interesting yields this year in which you can see the major effects of drought stress.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
FS InVision	FS 6627T RIB ↗	TRE	116	<b>202.4</b>	14.7	1	31.9	1310	1
Taylor	EXP C-114-23 ↗	VT2P	114	<b>199.3</b>	15.6	1	32.9	1285	2
Integra	6588 VT2PRIB ↗	VT2P	115	<b>193.5</b>	16.8	1	32.9	1238	4
Dyna-Gro	D53SS13RIB ↗	STX	113	<b>193.4</b>	15.0	1	33.8	1251	3
Wyffels	W7945 ↗	TRE	114	<b>189.2</b>	14.9	1	33.8	1224	5
Renk	RK940SSTX ↗	STX	115	<b>184.9</b>	15.8	1	32.9	1191	7
Kruger	K1460DT ↗	TRE	114	<b>184.9</b>	15.2	1	32.9	1195	6
Wyffels	W7876RIB ↗	VT2P	114	<b>181.8</b>	16.8	1	34.8	1163	9
Kruger	K1501DP ↗	VT2P	115	<b>181.6</b>	15.5	1	33.8	1172	8
Taylor	EXP C-116-23 GC ↗	TRE	116	<b>177.2</b>	14.9	1	34.8	1146	10
FS InVision	FS 6395VDG RIB ↗	VT2PDG	113	<b>176.0</b>	14.6	1	33.8	1139	11
Dyna-Gro	D53TC23RIB ↗	TRE	113	<b>175.1</b>	13.6	2	33.8	1133	12
Integra	6342 TRERIB ↗	TRE	113	172.8	14.2	1	32.9	1118	13
Hoegemeyer	8303 AM ↗	AM	113	172.6	14.6	1	33.8	1117	14
Renk	RK915VT2P ↗	VT2P	115	172.5	15.6	1	31.9	1112	15
Titan Pro	82-14 2P ↗	VT2P	114	169.9	16.9	1	34.8	1086	16
Integra	6555 VT2PRIB ↗	VT2P	115	168.0	15.9	1	32.9	1081	17
NuTech	73A6Q ↗	QR	113	163.0	14.4	1	33.8	1055	18
Golden Harvest	G16Q82-AA ↗	AA	116	162.2	14.6	1	34.8	1049	19
Taylor	8013 VT2PDG ↗	VT2PDG	112	159.4	14.4	1	31.9	1031	20
Kruger	KR-4913 ↗	VT2P	113	159.3	15.1	1	33.8	1030	22
Renk	RK895DGVT2P ↗	VT2PDG	113	159.3	14.8	1	32.9	1031	21
Renk	RK830SSTX ↗	STX	112	158.7	13.9	1	32.9	1027	23
Renk	RK958VT2P ↗	VT2P	115	158.4	15.2	1	34.8	1024	24
NK Brand	NK1661-AA ↗	AA	116	158.1	15.0	1	33.8	1023	25
FS InVision	FS 6625V RIB ↗	VT2P	116	157.7	15.3	1	33.8	1018	26
Hoegemeyer	8370 AM ↗	AM	113	156.9	14.6	1	34.8	1015	27
Augusta	A1466-3220A-EZ ↗	V	116	156.1	15.6	1	33.8	1006	29
Integra	6410 VT2PRIB ↗	VT2P	114	155.8	14.5	1	34.8	1008	28
Dyna-Gro	D52DC82RIB ↗	VT2PDG	112	155.1	15.6	1	32.9	1000	30
PIONEER	P0953AM CK	AM	109	128.3	13.7	1	34.8	830	43
				<b>Averages =</b>	<b>161.5</b>	<b>14.9</b>	<b>1</b>	<b>33.6</b>	<b>1043</b>
				<b>LSD (0.10) =</b>	13.0	0.5	ns		
				<b>LSD (0.25) =</b>	6.8	0.3	ns		
				<b>C.V. =</b>	7.6				
Randy Meinsma				Historic yield: 214.18 bu/a, 7 yr(s)					
randym@firstseedtests.com, (815) 238-8007									

**Yield & Income Factors:** Base Moisture = 15.0% Shrink = 1.3 Drying = \$0.04 Prices: GMO = \$6.47

Report Date: 10/21/2022

† 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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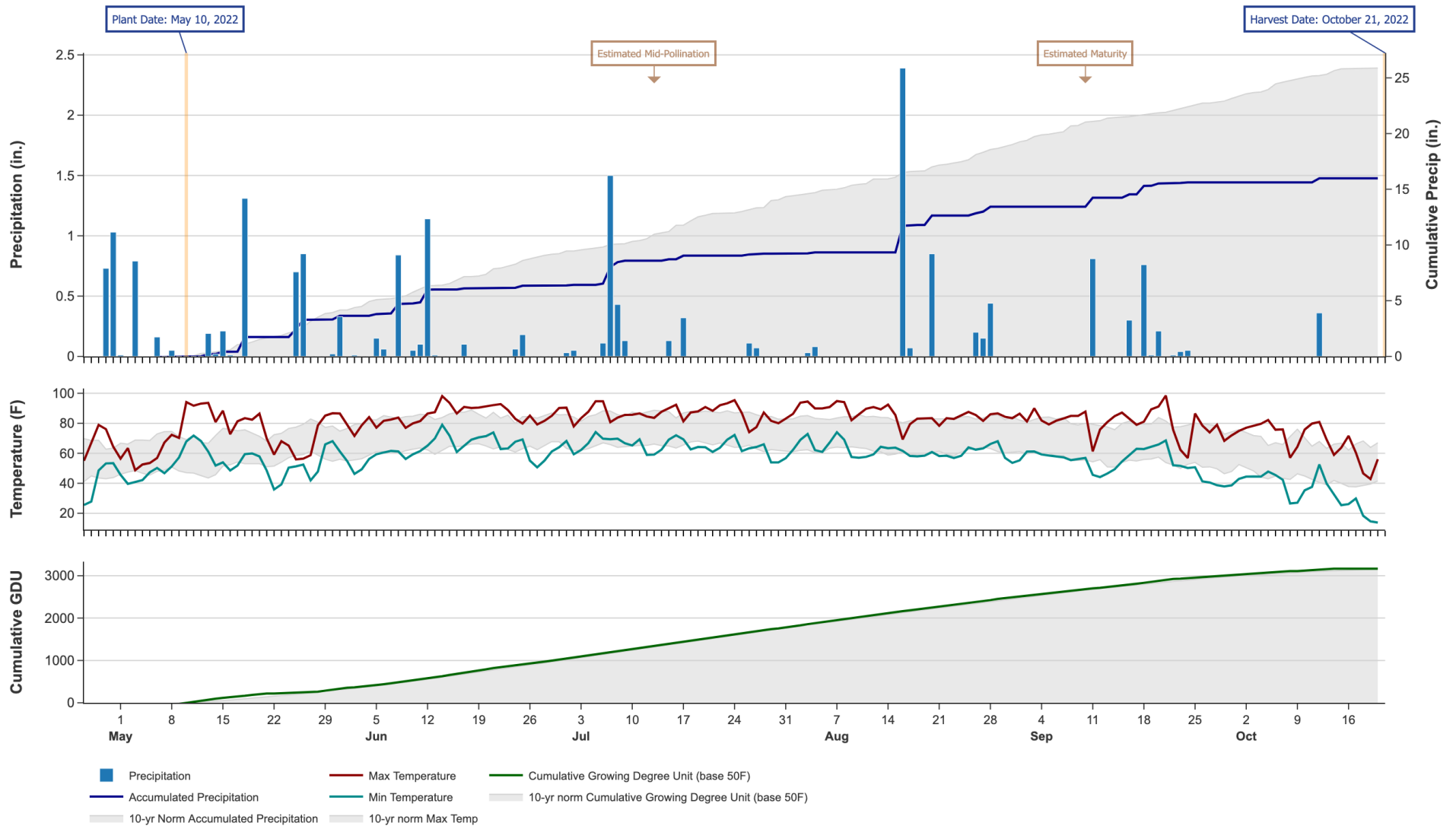
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# 2022 Corn - Iowa South [ IASO ]

## Weather Conditions Summary at CLARINDA, IA

Weather Data Retrieved: 10/21/2022

Monthly Total	Apr*	May	Jun	Jul	Aug	Sep	Oct*	Total
Precip (in)   Normal (Diff)	1.8   0.7 (+1.0)	4.7   5.7 (-1.1)	2.7   5.1 (-2.4)	2.9   5.1 (-2.2)	4.2   4.7 (-0.5)	2.2   4.1 (-1.9)	0.4   2.7 (-2.4)	18.8   28.2 (-9.4)
GDU   Normal (Diff)	38   41 (-3)	414   401 (+12)	682   695 (-13)	756   771 (-15)	714   695 (+18)	524   518 (+5)	151   177 (-26)	3279   3301 (-22)



\* 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 South [ IASO ]

### Early-Season Test Products (45 Total)

Company/Brand	Product/Brand	Technology	RIB	RM	Seed Treat.
AgriGold	A636-16VT2PRIB GC	VT2P	Y	106	AC,P5V
AgriGold	A639-70STXRIB GC	STX	N*	109	AC,P5V
AgriGold	A640-12STX GC	STX	N*	110	AC,P5V
AgriGold	A641-85TRCRIB GC	TRE	N*	111	AC,P5V
Augusta	A1259-5222	DV	Y*	109	CM,C2,Vi
Dyna-Gro	D48VC84	VT2P	N	108	AC,P5V
Dyna-Gro	D50VC09RIB	VT2P	N	110	AC,P5V
Dyna-Gro	D50VC78	VT2P	N	110	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
FS InVision	FS 6194V RIB	VT2P	Y	111	AC,P5V
Golden Harvest	G07G73-AA GC	AA	Y	107	AVC,C2,Vi,Va
Golden Harvest	G09T26-AA GC	AA	Y	109	AVC,C5,Vi,Va
Golden Harvest	G10L16-DV	DV	Y	110	AVC,C2,CM,C5,Vi,Va
Golden Harvest	G11V76-D	D	Y	111	AVC,C2,CM,C5,Vi,Va
Hoegemeyer	7843 AM	AM	Y	108	Lum, L1
Integra	5719 VT2PRIB	VT2P	Y	107	AC,P5V,SU+Zn
Integra	5802 VT2PRIB	VT2P	Y	108	AC,P5V,SU+Zn
Integra	6061 TRERIB	TRE	Y	110	AC,P5V,SU+Zn
Kruger	K0915DD	VT2PDG	Y	109	AC,P5V,EDC-B
Kruger	K1005DP	VT2P	Y	110	AC,P2
Kruger	K1139SS	STX	Y	111	AC,P5V,EDC-B
Kruger	K1191DT	TRE	Y	111	AC,P5V,EDC-B
NK Brand	NK0877-V	V	Y	108	AVC,C2,CM,C5,Vi,Va
NK Brand	NK1188-AA	AA	Y	111	AVC,C2,CM,C5,Vi,Va
NuTech	68A7AM	AM	Y	108	Lum, L1
NuTech	68A9AM	AM	Y	108	Lum, L1
NuTech	70A8AM	AM	Y	110	Lum, L1
NuTech	70B4AM	AM	Y	110	Lum, L1
NuTech	70F6Q	QR	Y	110	Lum, L1
Pioneer	P0953AM CK	AM	Y	109	Lum
Pioneer	P1027AM GC	AM	Y	110	Lum
Pioneer	P1185AM GC	AM	Y	111	Treated
Renk	RK774VT2P	VT2P	N	108	AC,P2
Renk	RK801SSTX	STX	N	110	AC,P5V
Renk	RK805VT2P	VT2P	N	110	AC,P2
Renk	RK821SSTX	STX	N	111	AC,P5V
Renk	RK826VT2P	VT2P	N	111	AC,P2
Taylor	6012 TRE	TRE	N	111	CM,C2
Taylor	9912 VT2P	VT2P	N	111	CM,C2
Taylor	EXP A-110-23	VT2P	N	110	AC,P2

Company/Brand	Brand/Product	Technology	RIB	RM	Seed Treat.
Wyffels	W5086RIB	VT2P	Y	107	AC,P2
Wyffels	W6826RIB	VT2P	Y	111	AC,P2
Wyffels	W6935	TRE	N	111	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 South [ IASO ]

### Full-Season Test Products (45 Total)

Company/Brand	Product/Brand	Technology	RIB	RM	Seed Treat.
Augusta	A1466-3220A-EZ	V	Y	116	Treated
Dyna-Gro	D52DC82RIB	VT2PDG	N	112	AC,P5V
Dyna-Gro	D53SS13RIB	STX	N	113	AC,P5V
Dyna-Gro	D53TC23RIB	TRE	Y	113	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 6595V RIB	VT2P	Y	115	AC,P5V
FS InVision	FS 6625V RIB	VT2P	Y	116	AC,P5V,EDC-EL
FS InVision	FS 6627T RIB	TRE	Y	116	AC,P5V,EDC-EL
Golden Harvest	G15J91-V	V	Y	115	AVC,C2,CM,C5,Vi,Va
Golden Harvest	G16Q82-AA	AA	Y	116	AVC,C2,CM,C5,Vi,Va
Hoegemeyer	8303 AM	AM	Y	113	Lum, L1
Hoegemeyer	8370 AM	AM	Y	113	Lum
Integra	6342 TRERIB	TRE	Y	113	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	K1313DD	VT2PDG	Y	113	AC,P5V
Kruger	K1460DT	TRE	Y	114	AC,P5V,EDC-B
Kruger	K1501DP	VT2P	Y	115	AC,P5V,EDC-B
Kruger	KR-4913	VT2P	Y	113	AC,P2
NK Brand	NK1523-V	V	Y	115	AVC,C2,CM,C5,Vi,Va
NK Brand	NK1661-AA	AA	Y	116	AVC,C2,CM,C5,Vi,Va
NuTech	72A5Q	QR	Y	111	Lum, L1
NuTech	72A8AM	AM	Y	112	Lum, L1
NuTech	72D4AM	AM	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
Renk	RK830SSTX	STX	N	112	AC,P5V
Renk	RK895DGV2P	VT2PDG	N	113	AC,P2
Renk	RK915VT2P	VT2P	N	115	AC,P2
Renk	RK940SSTX	STX	N	115	AC,P5V
Renk	RK958VT2P	VT2P	N	115	AC,P2
Taylor	8013 VT2PDG	VT2PDG	N*	112	CM,C2
Taylor	8824 VT2P	VT2P	N*	113	CM,C2
Taylor	9913 VT2P	VT2P	N	113	CM,C2
Taylor	EXP C-114-23	VT2P	N	114	AC,P2
Taylor	EXP C-116-23 GC	TRE	N	116	AC,P2
Titan Pro	82-14 2P	VT2P	Y	114	AC,P2
Wyffels	W7416RIB	VT2P	Y	112	AC,P2
Wyffels	W7536DGRIB	VT2PDG	Y	112	AC,P2

Company/Brand	Brand/Product	Technology	RIB	RM	Seed Treat.
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

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^	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

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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
DV	DuracadeViptera™ (Vip,CB,HX,RW,RW2,LL,GT), formerly Agrisure Duracade® 5222
QR	Qrome™
STX	SmartStax®
TRE	Trecepta®
V	Viptera™ (Vip,CB,HX,LL,GT), formerly Agrisure Viptera® 3220
VT2P	VT Double PRO®
VT2PDG	VT Double PRO® DroughtGard®

NOTE: The refuge component genetics may vary in a refuge blend seed product.

### Corn Seed Treatments\*

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NA	Not Available
AC,P2	Accelaron® 250
AC,P5V	Accelaron® Poncho 500/Votivo
AC,P5V,EDC-B	Accelaron® BASIC Poncho 500/Votivo with Enhanced Disease Control
AC,P5V,EDC-EL	Accelaron® ELITE Poncho 500/Votivo with Enhanced Disease Control
AC,P5V,SU+Zn	Accelaron® 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.