

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

2021 Corn Grain Top 30 Harvest Report

Iowa West Central [IAWC] DUNLAP, IA

Brandon McHugh, Harrison County, IA 51529

Early-Season Test	105 - 110 Day CRM B2021IAWC22a
Top 30 of 48	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Corn, 2+ Yr / Glyphosate, Mesotrione, Atrazine
SOIL DESCRIPTION:	Monona silt loam, well drained, non-irrigated
SOIL CONDITION:	Conventional W/O Fall Till, very high P, very high K, 5.6 pH, 3.9% OM, 15.9 CEC
PEST MANAGEMENT:	Glyphosate, Mesotrione, Atrazine
FERTILITY - Applied N:	173 Spring, 17 Planter
Applied N-P-K (units):	190-0-0
SEEDED - RATE - ROW:	May 13 /A 30" spacing
HARVESTED - STAND:	Nov 9 33.1 /A

TEST COMMENTS:

Planting went well and the plot emerged well for corn on corn. At harvest, plants were very tall and ear placement was high. Ears were large with great seed depth and pollinated well. Plants showed some rust. The lodging score rates goose necking. Stalks were strong with large base roots but the site had major goose necking. Harvest was a challenge but had good yields.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
FS InVision	FS 6017V RIB ↗	VT2P	110	303.4	15.2	14	31.9	1621	1
Hoegemeyer	7772Q ↗	QR	107	301.7	15.7	2	32.9	1608	2
Four Star	EXP 2201 ↗	VT2P	109	296.9	15.2	17	33.8	1587	3
Augusta	A1060-3330 ↗	3330	110	292.4	15.2	1	33.8	1562	4
Hoegemeyer	8009AM ↗	AM	110	292.2	16.5	9	32.9	1550	6
Four Star	6D52RIB ↗	VT2P	110	290.4	15.3	22	32.9	1551	5
Hefty	H5655 ↗	TRE	106	286.7	14.4	1	33.8	1534	7
Hefty	H5832 RIB ↗	VT2P	108	286.3	15.8	3	32.9	1525	8
Wyffels	W5778 ↗	STX	109	284.2	15.4	9	33.8	1517	9
Kruger	K0858DP ↗	VT2P	108	277.0	14.7	23	33.8	1482	10
Renk	RK700SSTX ↗	STX	107	276.8	15.1	1	33.8	1480	11
FS InVision	FS 5909D2A EZR ↗	5222A	109	276.8	16.1	18	31.9	1472	12
Dyna-Gro	D50VC78 ↗	VT2P	109	275.1	14.7	18	33.8	1472	13
Latham	LH 5725 VT2P RIB ↗	VT2P	107	274.1	14.7	39	31.9	1466	14
Integra	5682 VT2PRIB ↗	VT2P	106	273.5	14.7	3	32.9	1463	15
Wyffels	W4246RIB ↗	VT2P	105	273.2	15.0	2	31.9	1462	16
Latham	LH 5847 VT2P RIB ↗	VT2P	108	271.9	15.4	12	34.8	1451	17
Renk	RK782VT2P ↗	VT2P	109	271.3	15.4	18	31.9	1448	18
Hefty	H5952 ↗	VT2P	109	270.4	16.0	30	33.8	1439	19
Renk	RK805VT2P ↗	VT2P	110	268.8	15.3	10	31.9	1435	21
Dyna-Gro	D50VC09 ↗	VT2P	110	268.7	15.6	2	34.8	1432	22
Kruger	K4R-9706 ↗	STX	106	266.9	14.9	12	33.8	1428	23
Hefty	H6042 RIB ↗	VT2P	110	266.1	15.9	25	33.8	1416	27
Hefty	H5812 RIB ↗	VT2P	108	265.6	15.3	23	33.8	1419	24
Integra	5719 VT2PRIB ↗	VT2P	107	265.0	15.0	6	32.9	1417	26
FS InVision	FS 5594X RIB ↗	STX	105	265.0	14.6	1	32.9	1418	25
Wyffels	W4196RIB ↗	VT2P	105	264.5	15.1	10	32.9	1415	28
Kruger	K0915DD ↗	VT2PDG	109	264.3	15.4	26	32.9	1411	29
Hoegemeyer	7869AM ↗	AM	108	264.1	15.3	4	32.9	1410	30
Kruger	K1005DP ↗	VT2P	110	262.7	15.8	34	33.8	1399	31
Pioneer	P0953AM CK	AM	109	269.8	15.8	10	32.9	1437	20

Averages = **266.8** **15.4** **15** **33.1** **1424**

LSD (0.10) = 9.5 0.5 ns

LSD (0.25) = 5.0 0.3 ns

C.V. = 3.4

Historic yield: 210.47 bu/a, 12 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: 11/10/2021

† 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 West Central [IAWC] DUNLAP, IA

Brandon McHugh, Harrison County, IA 51529

Full-Season Test	111 - 115 Day CRM B2021IAWC22b
Top 30 of 42	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Corn, 2+ Yr / Glyphosate, Mesotrione, Atrazine
SOIL DESCRIPTION:	Monona silt loam, well drained, non-irrigated
SOIL CONDITION:	Conventional W/O Fall Till, very high P, very high K, 5.6 pH, 3.9% OM, 15.9 CEC
PEST MANAGEMENT:	Glyphosate, Mesotrione, Atrazine
FERTILITY - Applied N:	173 Spring, 17 Planter
Applied N-P-K (units):	190-0-0
SEEDED - RATE - ROW:	May 13 /A 30" spacing
HARVESTED - STAND:	Nov 9 33.3 /A

TEST COMMENTS:

Planting went well and the plot emerged well for corn on corn. At harvest, plants were very tall and ear placement was high. Ears were large with great seed depth and pollinated well. Plants showed some rust. The lodging score rates goose necking. Stalks were strong with large base roots but the site had major goose necking. Harvest was a challenge but had good yields.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Wyffels	W7876RIB ↗	VT2P	114	304.2	16.4	27	33.8	1615	1
Hoegemeyer	8447AM ↗	AM	114	303.2	16.6	10	33.8	1608	2
Dyna-Gro	D54VC34 ↗	VT2P	114	301.9	17.0	2	32.9	1597	3
Hefty	H6524 RIB ↗	STX	115	300.8	16.4	18	33.8	1597	4
NK Brand	NK1188-5122 EZR ↗	5122	111	290.0	16.3	12	33.8	1540	6
Wyffels	W6978RIB ↗	STX	111	289.2	15.4	2	30.9	1543	5
Renk	RK821SSTX ↗	STX	111	288.9	15.6	13	33.8	1540	7
Hefty	H6145 TRERIB ↗	TRE	112	288.4	16.8	9	32.9	1527	8
Kruger	K1191DT ↗	TRE	111	285.6	15.5	14	33.8	1524	9
FS InVision	FS 6595V RIB ↗	VT2P	115	285.4	16.1	21	32.9	1517	10
Renk	RK915VT2P ↗	VT2P	115	285.2	17.1	41	34.8	1508	11
Wyffels	W7536DG ↗	VT2PDG	112	284.8	16.9	40	31.9	1508	12
Latham	LH 6477 VT2P RIB ↗	VT2P	114	281.3	17.3	34	32.9	1486	17
Latham	LH 6289 SS RIB ↗	STX	112	281.2	15.9	1	34.8	1497	13
Wyffels	W7416 ↗	VT2P	112	280.0	16.3	7	33.8	1487	15
Latham	LH 6146 TRE RIB ↗	TRE	111	279.9	16.3	21	31.9	1487	16
Hoegemeyer	8235Q ↗	QR	112	279.6	16.5	17	32.9	1483	20
Latham	LH 6149 SS RIB ↗	STX	111	279.5	15.6	5	32.9	1491	14
Kruger	K1313DD ↗	VT2PDG	113	278.9	15.7	22	33.8	1486	18
FS InVision	FS 6106X RIB ↗	STX	111	278.2	15.6	3	32.9	1484	19
Kruger	K1501DP ↗	VT2P	115	276.1	16.8	30	33.8	1463	21
Hefty	H6423 RIB ↗	VT2PDG	114	269.3	16.6	35	33.8	1428	24
Kruger	K1160SS ↗	STX	111	268.2	15.7	18	32.9	1430	23
Integra	6410 VT2PRIB ↗	VT2P	114	268.1	17.1	29	32.9	1418	27
Renk	RK937VT2P ↗	VT2P	113	267.3	15.8	42	33.8	1423	25
FS InVision	FS 6395VDG RIB ↗	VT2PDG	113	266.5	15.8	14	32.9	1420	26
Renk	RK826VT2P ↗	VT2P	111	261.7	15.6	16	33.8	1395	28
Hefty	H6552 ↗	VT2P	115	261.7	17.8	29	32.9	1378	29
Integra	6342 TRERIB ↗	TRE	113	258.2	16.2	38	34.8	1372	30
Kruger	K1327DT ↗	TRE	113	257.1	16.9	22	33.8	1361	31
Pioneer	P0953AM CK	AM	109	274.1	15.5	38	33.8	1462	22
				Averages =	270.4	16.3	23	33.3	1436
				LSD (0.10) =	8.8	0.6	17		
				LSD (0.25) =	4.6	0.3	9		
				C.V. =	3.1				
				Historic yield: 210.47 bu/a, 12 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: 11/10/2021

† 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

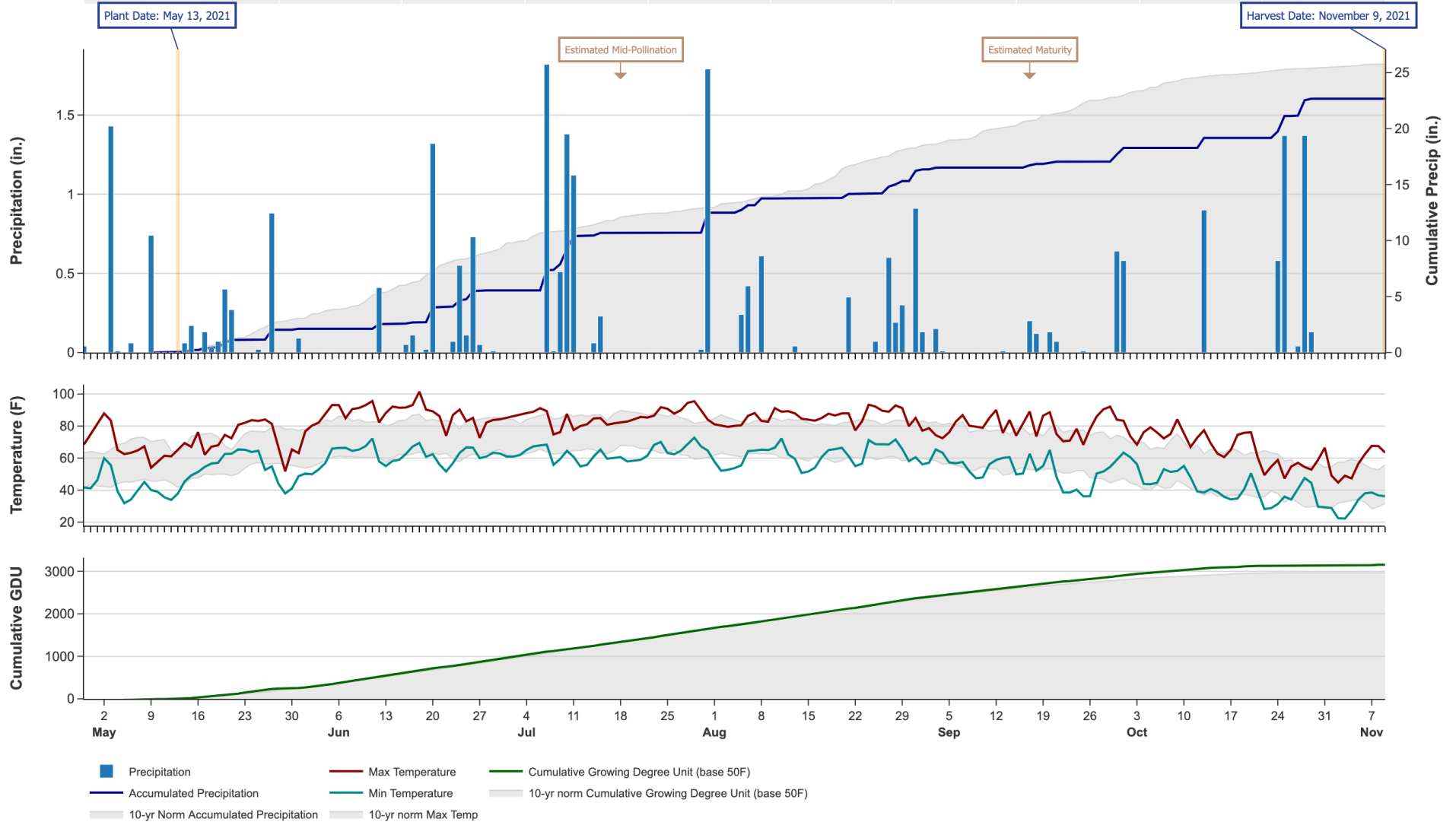
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2021 Corn - Iowa West Central [IAWC]

Weather Conditions Summary at DUNLAP, IA

Monthly Total	Apr*	May	Jun	Jul	Aug	Sep	Oct	Nov*	Total
Precip (in) Normal (Diff)	0.0 0.2 (-0.2)	4.4 5.2 (-0.8)	3.4 6.2 (-2.7)	6.9 3.7 (+3.2)	3.7 5.3 (-1.6)	1.5 4.5 (-3.1)	5.0 2.7 (+2.3)	0.0 0.2 (-0.2)	24.9 28.1 (-3.1)
GDU Normal (Diff)	22 13 (+8)	344 366 (-22)	679 657 (+21)	725 755 (-30)	708 675 (+32)	519 463 (+56)	243 165 (+77)	24 0 (+24)	3264 3097 (+166)



* 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 West Central [IAWC]

Early-Season Test Products (48 Total)

Company/Brand	Product/Brand	Technology	RIB	RM	Seed Treat.
Augusta	A1059-3110	3110	N	109	CM,C1
Augusta	A1060-3330	3330	N	110	CM,C2
Dyna-Gro	D50VC09	VT2P	N	110	AC,P5V,B-300
Dyna-Gro	D50VC78	VT2P	N	109	AC,P5V
Four Star	6D52RIB	VT2P	Y	110	AC,P2
Four Star	EXP 2201	VT2P	Y	109	AC,P5V,B-300
FS InVision	FS 5594X RIB	STX	Y	105	AC,P5V
FS InVision	FS 5704V RIB	VT2P	Y	107	AC,P5V
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
Hefty	H5655	TRE	N	106	HC
Hefty	H5812 RIB	VT2P	Y	108	HC
Hefty	H5832 RIB	VT2P	Y	108	HC
Hefty	H5952	VT2P	N	109	HC
Hefty	H6042 RIB	VT2P	Y	110	HC
Hoegemeyer	7653Q	QR	Y	106	Lum,P1V
Hoegemeyer	7772Q	QR	Y	107	Lum
Hoegemeyer	7869AM	AM	Y	108	Lum
Hoegemeyer	8009AM	AM	Y	110	Lum
Hoegemeyer	8084AM	AM	Y	110	Lum
Integra	5682 VT2PRIB	VT2P	Y	106	AC,P5V,EDC-B
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
Kruger	K0858DP	VT2P	Y	108	AC,P5,EDC
Kruger	K0915DD	VT2PDG	Y	109	AC,P5,EDC
Kruger	K1005DP	VT2P	Y	110	AC,P2
Kruger	K4R-9706	STX	Y	106	AC,P5V,EDC-B
Kruger	KR-4608D	VT2PDG	Y	108	AC,P2
Latham	LH 5517 VT2P RIB	VT2P	Y	105	AC,P2
Latham	LH 5646 PCE	PC,E	N	106	CM,C2,Vi
Latham	LH 5725 VT2P RIB	VT2P	Y	107	AC,P2
Latham	LH 5769 SS RIB	STX	Y	107	AC,P5V
Latham	LH 5847 VT2P RIB	VT2P	Y	108	AC,P2
NK Brand	NK0748-5122 EZR	5122	Y	107	AVC,C2,Vi
NK Brand	NK0877-3220 EZR	3220	Y	108	AVC,C5,Vi
Pioneer	P0953AM CK	AM	Y	109	Lum
Renk	RK700SSTX	STX	N	107	AC,P5V
Renk	RK710DGV2P	VT2PDG	Y	107	AC,P2
Renk	RK765VT2PRIB	VT2P	Y	109	AC,P2
Renk	RK782VT2P	VT2P	N	109	AC,P5V

Company/Brand	Brand/Product	Technology	RIB	RM	Seed Treat.
Renk	RK805VT2P	VT2P	N	110	AC,P2
Wyffels	W4196RIB	VT2P	Y	105	AC,P2
Wyffels	W4246RIB	VT2P	Y	105	AC,P2
Wyffels	W4588	STX	N	105	AC,P5V
Wyffels	W5086RIB	VT2P	Y	107	AC,P2
Wyffels	W5778	STX	N	109	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 West Central [IAWC]

Full-Season Test Products (42 Total)

Company/Brand	Product/Brand	Technology	RIB	RM	Seed Treat.
Dyna-Gro	D54VC34	VT2P	N	114	AC,P5V
Four Star	EXP 2202	VT2P	Y	111	AC,P5V,B-300
FS InVision	FS 6106X RIB	STX	Y	111	AC,P5V
FS InVision	FS 6194V RIB	VT2P	Y	111	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
Hefty	H6145 TRERIB	TRE	Y	112	HC
Hefty	H6355	TRE	N	113	HC
Hefty	H6423 RIB	VT2PDG	Y	114	HC
Hefty	H6524 RIB	STX	Y	115	HC
Hefty	H6552	VT2P	N	115	HC
Hoegemeyer	8235Q	QR	Y	112	Lum
Hoegemeyer	8447AM	AM	Y	114	Lum,P1V
Integra	6162 VT2PRIB	VT2P	Y	111	AC,P5V,EDC-B
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
Kruger	K1160SS	STX	Y	111	AC,P5V,EDC-B
Kruger	K1191DT	TRE	Y	111	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
Latham	LH 6146 TRE RIB	TRE	Y	111	AC,P5V,EDC-B
Latham	LH 6149 SS RIB	STX	Y	111	AC,P5
Latham	LH 6227 VT2P RIB	VT2P	Y	112	AC,P2
Latham	LH 6289 SS RIB	STX	Y	112	AC,P5V
Latham	LH 6477 VT2P RIB	VT2P	Y	114	AC,P2
NK Brand	NK1188-5122 EZR	5122	Y	111	AVC,C5,Vi
NK Brand	NK1321-3120 EZR	3120	Y	113	AVC,C5,Vi
NK Brand	NK1349-3220 EZR	3220	Y	113	AVC,C5,Vi
Pioneer	P0953AM CK	AM	Y	109	Lum
Renk	RK821SSTX	STX	N	111	AC,P5V
Renk	RK826VT2P	VT2P	N	111	AC,P5V
Renk	RK882TRE	TRE	N	111	AC,P2
Renk	RK915VT2P	VT2P	N	115	AC,P5V
Renk	RK937VT2P	VT2P	Y	113	AC,P2
Wyffels	W6978RIB	STX	Y	111	AC,P5V
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

* 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

3110	Agrisure® Viptera® 3110 (Vip, CB,LL,GT)
3120	Agrisure® 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
5222A	Agrisure® Duracade™ Artesian® 5222
AM	Optimum® AcreMax®
E	Enlist™ (2,4-D, glyphosate, fop herbicide tolerance)
PC	PowerCore™
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,SU	Acceleron® 250, StepUp
AC,P5	Acceleron® 500
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,Vi	Avicta® Complete 500, Vibrance
CM,C1	CruiserMaxx® 1250
CM,C2	CruiserMaxx® 250
CM,C2,Vi	CruiserMaxx® 250 with Vibrance
HC	Hefty Complete
Lum	LumiGEN™ (Corteva Agriscience)
Lum,P1V	LumiGEN™ Poncho 1250/Votivo

* Seed treatments may include unspecified plant health promoting components.