

Test by: M&D Seed Research, LLC Van Buren, IN

2021 Corn Grain Top 30 Harvest Report

Michigan South [MISO] MASON, MI

Hawkins Homestead, Tony Igl, Ingham County, MI 48845

Early-Season Test	97 - 103 Day CRM B2021MISO05a
Top 30 of 48	For Gross Income (Sorted by Yield) Average of (4) Replications
PREV. CROP/HERB:	Soybean / Liberty, Zidua Pro
SOIL DESCRIPTION:	Conover Loam, Colwood- Brookston Loam silty clay loam, mod. well drained, non-irrigated
SOIL CONDITION:	No-Till, very high P, very high K, 5.2 pH, 2.2% OM, 9.8 CEC
PEST MANAGEMENT:	Armizon Pro
FERTILITY - Applied N:	45 Spring, 135 Sidedress
Applied N-P-K (units):	180-0-0
SEEDED - RATE - ROW:	May 12 33.6 /A 30" spacing
HARVESTED - STAND:	Nov 20 32.8 /A

TEST COMMENTS:

This is a uniform site that planted well during the second week of May. Good amounts of moisture and heat after planting aided in emergence and early season growth. The site had a little dry spell during June but had excellent rains during pollinating and grain fill which led to the big yields. Stalk quality was beginning to deteriorate at harvest, which was delayed due to fall rains. Great plot.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Dairyland	DS-4014Q ↗	QR	100	250.5	16.5	1	33.2	1371	1
FS InVision	FS 5098V RIB ↗	VT2P	100	250.1	16.3	1	32.9	1371	2
Rupp	XR D99-08 ↗	VT2P	99	246.4	16.3	1	33.5	1350	3
Dairyland	DS-3959Q ↗	QR	99	245.6	16.8	1	33.5	1343	4
Dairyland	DS-4018AM ↗	AM	101	242.2	16.9	1	32.9	1324	5
Augusta	A2050 VT2P ↗	VT2P	100	240.8	16.2	1	32.9	1320	6
Augusta	A2150-5222-EZ ↗	5222	100	238.7	16.8	1	33.2	1305	8
Legacy	LC-4248 ↗	VT2P	100	238.4	16.2	1	32.9	1307	7
Dyna-Gro	D40VC41 ↗	VT2P	100	237.9	16.3	1	33.2	1304	9
Renk	RK600VT2P ↗	VT2P	100	237.1	16.4	1	32.5	1299	10
Dairyland	DS-4310AM ↗	AM	103	236.2	17.5	2	32.9	1288	11
Golden Harvest	G03R40-5222 EZR ↗	5222	103	234.9	17.5	3	32.2	1280	12
Dairyland	DS-4000AMXT ↗	AMXT	100	233.7	16.7	1	32.5	1278	13
Rupp	XR D03-07 ↗	VT2P	103	232.4	16.2	1	33.2	1274	14
Golden Harvest	G00H12-5122 EZR ↗	5122	100	231.2	17.0	1	31.8	1263	15
Wyckoff	2250 VT2P RIB ↗	VT2P	101	229.0	16.4	1	32.5	1255	16
Legacy	LC-5217 ↗	VT2P	102	227.3	16.1	1	32.5	1246	18
Rupp	XR D98-43 ↗	TRE	98	226.4	15.9	3	32.9	1243	19
Golden Harvest	G99E68-5122 EZR ↗	5122	99	225.5	16.8	2	32.9	1233	21
FS InVision	FS 4715V RIB ↗	VT2P	97	225.5	15.8	1	32.5	1239	20
Wyckoff	2300 DGVT2P RIB ↗	VT2PDG	103	223.5	15.9	1	33.2	1227	22
Renk	RK590VT2P ↗	VT2P	98	221.2	16.3	2	32.2	1212	23
Augusta	A1849-5122-EZ ↗	5122	99	220.5	16.9	2	32.9	1205	24
Wyckoff	2212 VT2P RIB ↗	VT2P	100	219.9	16.3	1	33.2	1204	25
Renk	RK642VT2P ↗	VT2P	103	219.2	16.2	2	32.9	1202	27
Renk	RK579DGVT2P ↗	VT2PDG	99	219.1	16.1	2	33.5	1202	28
Legacy	LC474-20 ↗	TRE	97	219.0	15.9	1	32.2	1203	26
NK Brand	NK0314-5122 EZR ↗	5122	103	218.4	17.1	1	32.9	1193	30
Renk	RK593VT2PRIB ↗	VT2P	97	218.1	16.2	1	33.2	1196	29
FS InVision	FS 5115X RIB ↗	STX	101	216.2	16.5	2	32.8	1184	31
Pioneer	P0339Q CK	QR	103	228.9	17.1	1	33.5	1250	17
				Averages =	222.0	16.4	1	32.8	1216
				LSD (0.10) =	13.6	0.2	ns		
				LSD (0.25) =	7.2	0.1	ns		
				C.V. =	6.7				
				Historic yield: 168.23 bu/a, 13 yr(s)					

Matt Turner

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Yield & Income Factors: Base Moisture = 15.5% Shrink = 1.3 Drying = \$0.025 Prices: GMO = \$5.50; non-GMO = \$5.50

Report Date: 11/21/2021

† 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

Michigan South [MISO] MASON, MI

Hawkins Homestead, Tony Igl, Ingham County, MI 48845

Full-Season Test	104 - 107 Day CRM B2021MISO05b
Top 30 of 36	For Gross Income (Sorted by Yield) Average of (4) Replications
PREV. CROP/HERB:	Soybean / Liberty, Zidua Pro
SOIL DESCRIPTION:	Conover Loam, Colwood- Brookston Loam silty clay loam, mod. well drained, non-irrigated
SOIL CONDITION:	No-Till, very high P, very high K, 5.2 pH, 2.2% OM, 9.8 CEC
PEST MANAGEMENT:	Armizon Pro
FERTILITY - Applied N:	45 Spring, 135 Sidedress
Applied N-P-K (units):	180-0-0
SEEDED - RATE - ROW:	May 12 33.6 /A 30" spacing
HARVESTED - STAND:	Nov 20 32.7 /A

TEST COMMENTS:

This is a uniform site that planted well during the second week of May. Good amounts of moisture and heat after planting aided in emergence and early season growth. The site had a little dry spell during June but had excellent rains during pollinating and grain fill which led to the big yields. Stalk quality was beginning to deteriorate at harvest, which was delayed due to fall rains. Great plot.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
NK Brand	NK0760-3111 ↗	3111	107	250.7	17.2	1	32.2	1368	1
Dairyland	DS-4440AM ↗	AM	104	241.9	17.3	2	33.5	1319	2
Rupp	XR D06-53 ↗	VT2P	106	240.7	17.1	1	32.9	1314	3
Golden Harvest	G07F23-3111 ↗	3111	107	239.5	17.7	1	32.9	1304	4
Augusta	A4759-3111 ↗	3111	109	238.6	17.4	1	32.2	1301	6
Golden Harvest	G04S19-3122 EZR ↗	3122	104	238.2	16.8	1	32.2	1302	5
Dairyland	DS-4510Q ↗	QR	105	236.5	16.9	1	32.9	1292	8
FS InVision	FS 5594X RIB ↗	STX	105	234.7	17.1	1	32.8	1282	9
Golden Harvest	G07G73-5122 EZR ↗	5122	107	234.1	17.5	1	32.2	1276	11
Legacy	LC564-20 ↗	PC,E	106	233.0	17.1	1	33.2	1272	12
Renk	RK625DGVT2P ↗	VT2PDG	104	232.7	16.1	1	33.5	1277	10
Wyckoff	2483 VT2P RIB ↗	VT2P	105	231.1	16.2	1	31.2	1267	13
M & W Seeds	44V83 ↗	5222	107	229.7	17.5	1	32.2	1252	15
Local Seed	LC0607 TCRIB ↗	TRE	106	229.3	16.6	1	32.2	1255	14
M & W Seeds	44V74 ↗	5222	105	227.9	17.2	2	32.2	1244	16
Local Seed	LC0518 VT2PRIB ↗	VT2P	105	224.9	16.2	1	32.5	1233	17
FS InVision	FS 5704V RIB ↗	VT2P	107	224.6	16.7	2	32.9	1229	18
Wyckoff	2433 SS RIB ↗	STX	106	224.3	17.0	1	32.8	1226	20
Local Seed	LC0707 DGVT2PRIB ↗	VT2PDG	107	224.2	16.3	1	32.2	1229	19
NK Brand	NK0748-3120 EZR ↗	3120	107	222.8	16.9	1	33.2	1217	21
Integra	5719 VT2PRIB ↗	VT2P	107	221.1	16.9	1	32.9	1208	23
Wyckoff	2500 SS RIB ↗	STX	107	220.6	16.3	3	33.2	1209	22
M & W Seeds	44V42 ↗	VT2P	107	218.3	16.8	2	32.9	1193	24
Golden Harvest	G06Q68-5222 EZR ↗	5222	106	217.3	17.3	6	31.8	1186	25
Wyckoff	2335 SS RIB ↗	STX	104	215.4	16.3	1	33.2	1181	26
FS InVision	FS 5515D2 EZR ↗	5222	105	214.4	16.6	1	32.5	1173	27
Integra	5529 VT2PRIB ↗	VT2P	105	213.7	16.4	1	32.9	1170	28
Wyckoff	2440 SS RIB ↗	STX	106	213.4	16.8	2	33.5	1167	29
Specialty	36D260 ↗	VT2P	106	212.4	16.9	1	32.2	1161	30
Rupp	XR D05-16 ↗	VT2P	105	212.1	16.7	2	33.5	1160	31
Pioneer	P0339Q CK	QR	103	237.8	17.0	1	33.5	1299	7
				Averages =	224.6	16.8	1	32.7	1228
				LSD (0.10) =	13.6	0.3	ns		
				LSD (0.25) =	7.1	0.1	ns		
				C.V. =	6.6				
				Historic yield: 168.23 bu/a, 13 yr(s)					

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Yield & Income Factors: Base Moisture = 15.5% Shrink = 1.3 Drying = \$0.025 Prices: GMO = \$5.50; non-GMO = \$5.50

Report Date: 11/21/2021

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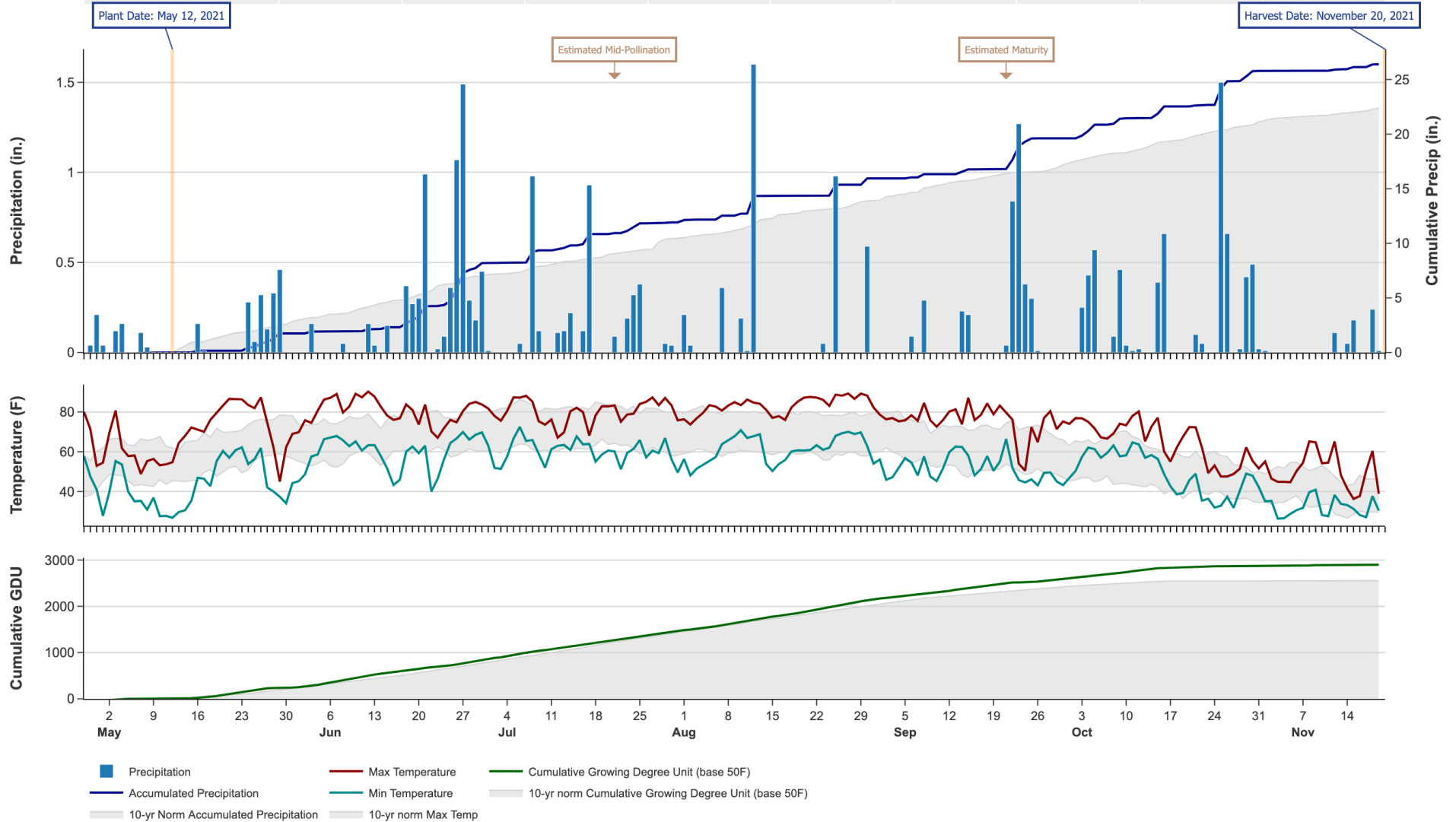
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2021 Corn - Michigan South [MISO]

Weather Conditions Summary at MASON, MI

Monthly Total	Apr*	May	Jun	Jul	Aug	Sep	Oct	Nov*	Total
Precip (in) Normal (Diff)	0.2 0.5 (-0.2)	2.2 4.6 (-2.4)	6.4 4.2 (+2.3)	3.7 3.5 (+0.3)	4.0 3.5 (+0.6)	3.7 3.3 (+0.4)	6.2 3.9 (+2.2)	0.6 1.3 (-0.7)	27.1 24.6 (+2.5)
GDU Normal (Diff)	30 5 (+24)	278 323 (-45)	604 524 (+79)	623 675 (-52)	682 601 (+80)	435 393 (+41)	288 128 (+159)	23 0 (+23)	2963 2651 (+311)



* 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 - Michigan South [MISO]

Early-Season Test Products (48 Total)

Company/Brand	Product/Brand	Technology	RIB	RM	Seed Treat.
Augusta	A1849-5122-EZ	5122	Y	99	AVC,C2
Augusta	A2050 VT2P	VT2P	N	100	AC250
Augusta	A2150-5222-EZ	5222	Y	100	CM,C2
Dairyland	DS-3959Q	QR	Y	99	Lum,P1V
Dairyland	DS-4000AMXT	AMXT	Y*	100	Lum,P1V
Dairyland	DS-4014Q	QR	Y	100	Lum,P1V
Dairyland	DS-4018AM	AM	Y	101	Lum,P1V
Dairyland	DS-4310AM	AM	Y	103	Lum,P1V
Dyna-Gro	D40VC41	VT2P	N	100	AC,P5V
Dyna-Gro	D43VC81	VT2P	N	102	AC,P5V
FS InVision	FS 4715V RIB	VT2P	Y	97	AC,P5V
FS InVision	FS 5098V RIB	VT2P	Y	100	AC,P5V
FS InVision	FS 5115X RIB	STX	Y	101	AC,P5V
FS InVision	FS 53ZX1 RIB	STX	Y	103	AC,P5V
Golden Harvest	G00H12-5122 EZR	5122	Y	100	AVC,C2,Vi
Golden Harvest	G02K39-3120 EZR	3120	Y	102	AVC,C2,Vi
Golden Harvest	G03R40-5222 EZR	5222	Y	103	AVC,C2,Vi
Golden Harvest	G04G36-3111A EZR	3111A	Y	104	AVC,C2,Vi
Golden Harvest	G99E68-5122 EZR	5122	Y	99	AVC,C2,Vi
Integra	4601 VT2PRIB	VT2P	Y	96	AC,P2,SU
Integra	4888 VT2PRIB	VT2P	Y	98	AC,P5,SU
Integra	5052 VT2PRIB	VT2P	Y	100	AC,P5V,EDC-B
Integra	5280 VT2PRIB	VT2P	Y	102	AC,P2,SU
Legacy	LC-4248	VT2P	Y	100	AC,WuxZN
Legacy	LC474-20	TRE	N	97	AC,WuxZN
Legacy	LC-5217	VT2P	Y	102	AC,WuxZN
Local Seed	LC0297 VT2PRIB	VT2P	Y	102	RA
Local Seed	LC9888 VT2PRIB	VT2P	Y	98	RA
Local Seed	ZS9796 3220EZ	3220	Y	97	RA
NK Brand	NK0243-3120 EZR	3120	Y	102	AVC,C2,Vi
NK Brand	NK0314-5122 EZR	5122	Y	103	AVC,C2,Vi
Pioneer	P0339Q CK	QR	Y	103	Lum
Renk	RK579DGV2P	VT2PDG	Y	99	AC,P2
Renk	RK590VT2P	VT2P	N	98	AC,P5V
Renk	RK593VT2PRIB	VT2P	Y	97	AC,P2
Renk	RK600VT2P	VT2P	N	100	AC,P2
Renk	RK642VT2P	VT2P	Y	103	AC,P2
Rupp	XR D01-90	VT2P	Y	101	AC,P2,Sb
Rupp	XR D03-07	VT2P	Y	103	AC,P2,Sb
Rupp	XR D98-43	TRE	Y	98	AC,P2,Sb
Rupp	XR D99-08	VT2P	Y	99	AC,P2,Sb
Specialty	27D728	VT2P	Y	97	AC,P2,B360

Company/Brand	Brand/Product	Technology	RIB	RM	Seed Treat.
Specialty	31D921	VT2P	Y	101	AC,P5,B360
Wyckoff	2170 TRE RIB	TRE	Y	98	AC,P5V
Wyckoff	2180 VT2P RIB	VT2P	Y	98	AC,P2
Wyckoff	2212 VT2P RIB	VT2P	Y	100	AC,P2
Wyckoff	2250 VT2P RIB	VT2P	Y	101	AC,P2
Wyckoff	2300 DGV2P RIB	VT2PDG	Y	103	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.

2021 Corn - Michigan South [MISO]

Full-Season Test Products (36 Total)

Company/Brand	Product/Brand	Technology	RIB	RM	Seed Treat.
Augusta	A4759-3111	3111	N	109	CM,C2
Dairyland	DS-4440AM	AM	Y	104	Lum,P5V
Dairyland	DS-4510Q	QR	Y	105	Lum,P1V
FS InVision	FS 5515D2 EZR	5222	Y	105	CM,C2,Vi
FS InVision	FS 5594X RIB	STX	Y	105	AC,P5V
FS InVision	FS 5704V RIB	VT2P	Y	107	AC,P5V
Golden Harvest	G03B96-5122 EZR	5122	Y	103	AVC,C2,Vi
Golden Harvest	G04S19-3122 EZR	3122	Y	104	AVC,C2,Vi
Golden Harvest	G06Q68-5222 EZR	5222	Y	106	AVC,C2,Vi
Golden Harvest	G07F23-3111	3111	N	107	AVC,C2,Vi
Golden Harvest	G07G73-5122 EZR	5122	Y	107	AVC,C2,Vi
Integra	5529 VT2PRIB	VT2P	Y	105	AC,P2,SU
Integra	5682 VT2PRIB	VT2P	Y	106	AC,P5V,EDC-B
Integra	5719 VT2PRIB	VT2P	Y	107	AC,P2,SU
Legacy	LC-5319	STX	Y	104	AC,WuxZN
Legacy	LC564-20	PC,E	N	106	AC,WuxZN
Local Seed	LC0518 VT2PRIB	VT2P	Y	105	AC,P5V,EDC-EL
Local Seed	LC0607 TCRIB	TRE	Y	106	RA
Local Seed	LC0707 DGVT2PRIB	VT2PDG	Y	107	RA
M & W Seeds	44V42	VT2P	Y	107	Ti
M & W Seeds	44V74	5222	Y	105	Ti
M & W Seeds	44V83	5222	Y	107	Ti
M & W Seeds	45V21	VT2P	Y	103	Ti
NK Brand	NK0748-3120 EZR	3120	Y	107	AVC,C2,Vi
NK Brand	NK0760-3111	3111	N	107	AVC,C2,Vi
Pioneer	P0339Q CK	QR	Y	103	Lum
Renk	RK625DGV2P	VT2PDG	N	104	AC,P5V
Renk	RK710DGV2P	VT2PDG	Y	107	AC,P2
Rupp	XR D05-16	VT2P	Y	105	AC,P2,Sb
Rupp	XR D06-53	VT2P	Y	106	AC,P2,Sb
Specialty	36D260	VT2P	Y	106	AC,P5,B360
Wyckoff	2335 SS RIB	STX	Y	104	AC,P5V
Wyckoff	2433 SS RIB	STX	Y	106	AC,P5V
Wyckoff	2440 SS RIB	STX	Y	106	AC,P5V,EDC-EL
Wyckoff	2483 VT2P RIB	VT2P	Y	105	AC,P2
Wyckoff	2500 SS RIB	STX	Y	107	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.

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

3111	Agrisure® Viptera® 3111
3111A	Agrisure® Artesian® Viptera® 3111 (Vip,CB,RW,LL,GT)
3120	Agrisure® 3120 (CB,HX,LL,GT)
3122	Agrisure® 3122 (CB,HXX,RW,LL,GT)
3220	Agrisure® Viptera® 3220 (Vip,CB,HX,LL,GT)
5122	Agrisure® Duracade™ 5122
5222	Agrisure® Duracade™ 5222
AM	Optimum® AcreMax®
AMXT	Optimum® AcreMax® Xtreme
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
AC250	Acceleron® 250
AC,P2	Acceleron® 250
AC,P2,B360	Acceleron® 250 with BioRise™ B-360 ST
AC,P2,Sb	Acceleron® 250, SabrEx Innoculant
AC,P2,SU	Acceleron® 250, StepUp
AC,P5,B360	Acceleron® 500 with BioRise™ B-360 ST
AC,P5,SU	Acceleron® 500, StepUp
AC,P5V	Acceleron® Poncho 500/Votivo
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,WuxZN	Acceleron® + Wuxal Terios Zn
AVC,C2	Avicta® Complete 250
AVC,C2,Vi	Avicta® Complete 250, Vibrance®
CM,C2	CruiserMaxx® 250
CM,C2,Vi	CruiserMaxx® 250 with Vibrance
Lum	LumiGEN™ (Corteva Agriscience)
Lum,P1V	LumiGEN™ Poncho 1250/Votivo
Lum,P5V	LumiGEN™ Poncho 500/Votivo
RA	Radius 500 (Local Seed Co)
Ti	Titan Corn 250 (M & W Seeds)

* Seed treatments may include unspecified plant health promoting components.