

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

## 2021 Corn Grain Top 30 Harvest Report

Michigan South [MISO] CHARLOTTE, MI  
Jim & Dennis Orr, Eaton County, MI 48813

<b>Early-Season Test</b>	97 - 103 Day CRM B2021MISO04a
<b>Top 30 of 48</b>	For Gross Income (Sorted by Yield) Average of (4) Replications
<b>PREV. CROP/HERB:</b>	Wheat / NA
<b>SOIL DESCRIPTION:</b>	Marlette, Capac loam, mod. well drained, non-irrigated
<b>SOIL CONDITION:</b>	No-Till, very high P, high K, 6.0 pH, 1.8% OM, 8.0 CEC
<b>PEST MANAGEMENT:</b>	Degree Extra, Atrazine, Incinerate, Round Up
<b>FERTILITY - Applied N:</b>	60 Fall, 80 Spring, 120 Sidedress
<b>Applied N-P-K (units):</b>	260-90-60
<b>SEEDED - RATE - ROW:</b>	May 12 33.6 /A 30" spacing
<b>HARVESTED - STAND:</b>	Oct 19 31.9 /A

### TEST COMMENTS:

*This location was planted in mid-May into a green wheat cover crop. The plot came up nice but the dry spring and green cover crop caused a lack of soil moisture early. Better rains during mid-season helped in pollination and ear fill. Good fertility and weed control at this site with chicken litter applied the previous fall. Some tar spot was present in the late season that could have cut yields in some areas of the plot.*

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Dairyland	DS-4014Q ↗	QR	100	<b>238.4</b>	21.8	1	32.5	1155	1
Specialty	27D728 ↗	VT2P	97	<b>216.5</b>	19.2	1	32.5	1063	2
Golden Harvest	G99E68-5122 EZR ↗	5122	99	<b>211.7</b>	22.5	1	32.2	1022	3
Local Seed	ZS9796 3220EZ ↗	3220	97	<b>208.0</b>	21.1	1	32.6	1011	4
Dyna-Gro	D40VC41 ↗	VT2P	100	<b>206.7</b>	21.7	1	31.8	1001	5
Rupp	XR D99-08 ↗	VT2P	99	<b>202.8</b>	21.6	1	32.5	983	6
Augusta	A2150-5222-EZ ↗	5222	100	201.4	22.4	1	31.5	972	8
Renk	RK579DGVT2P ↗	VT2PDG	99	200.0	19.8	1	31.9	978	7
Rupp	XR D01-90 ↗	VT2P	101	198.7	20.7	1	32.2	968	9
Legacy	LC-4248 ↗	VT2P	100	197.6	21.0	1	32.5	961	10
Wyckoff	2250 VT2P RIB ↗	VT2P	101	196.0	20.6	1	32.5	955	11
FS InVision	FS 53ZX1 RIB ↗	STX	103	193.2	21.0	1	32.2	939	12
Wyckoff	2212 VT2P RIB ↗	VT2P	100	192.8	20.7	1	31.7	939	13
Legacy	LC-5217 ↗	VT2P	102	192.3	20.8	1	32.2	936	15
Dairyland	DS-4000AMXT ↗	AMXT	100	191.2	22.2	1	32.9	924	19
Wyckoff	2170 TRE RIB ↗	TRE	98	191.2	21.2	1	32.5	929	16
Renk	RK600VT2P ↗	VT2P	100	190.6	20.6	2	32.2	929	17
Augusta	A2050 VT2P ↗	VT2P	100	190.5	20.4	1	30.2	929	18
Dyna-Gro	D43VC81 ↗	VT2P	102	187.7	21.2	1	31.9	912	20
Golden Harvest	G04G36-3111A EZR ↗	3111A	104	187.5	23.3	1	32.9	901	24
Golden Harvest	G02K39-3120 EZR ↗	3120	102	186.3	21.6	1	31.2	902	23
Local Seed	LC0297 VT2PRIB ↗	VT2P	102	185.9	20.9	1	32.2	905	21
Renk	RK593VT2PRIB ↗	VT2P	97	185.2	20.3	1	30.9	904	22
FS InVision	FS 4715V RIB ↗	VT2P	97	184.6	20.4	1	32.5	901	25
Integra	5052 VT2PRIB ↗	VT2P	100	183.5	21.2	1	31.2	891	27
Rupp	XR D98-43 ↗	TRE	98	182.7	20.7	1	32.5	890	28
Rupp	XR D03-07 ↗	VT2P	103	182.5	20.6	1	31.2	889	29
Local Seed	LC9888 VT2PRIB ↗	VT2P	98	181.9	19.8	1	32.5	889	30
Integra	4601 VT2PRIB ↗	VT2P	96	181.7	19.1	2	30.8	892	26
Wyckoff	2300 DGVT2P RIB ↗	VT2PDG	103	180.1	21.5	1	29.5	873	31
Pioneer	P0339Q CK	QR	103	195.4	23.6	1	32.9	937	14
				<b>Averages =</b>	<b>185.8</b>	<b>21.2</b>	<b>1</b>	<b>31.9</b>	<b>902</b>
				<b>LSD (0.10) =</b>	16.9	0.7	ns		
				<b>LSD (0.25) =</b>	8.9	0.3	ns		
				<b>C.V. =</b>	10.0				
				Historic yield: 156.88 bu/a, 12 yr(s)					

*Matt Turner*

Matt Turner

mattturner1979@yahoo.com, (317) 606-9040

**Yield & Income Factors:** Base Moisture = 15.5% Shrink = 1.3 Drying = \$0.025 Prices: GMO = \$5.00; non-GMO = \$5.00

Report Date: 10/20/2021

† 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] CHARLOTTE, MI  
Jim & Dennis Orr, Eaton County, MI 48813

<b>Full-Season Test</b>	104 - 107 Day CRM B2021MISO04b
<b>Top 30 of 36</b>	For Gross Income (Sorted by Yield) Average of (4) Replications
<b>PREV. CROP/HERB:</b>	Wheat / NA
<b>SOIL DESCRIPTION:</b>	Marlette, Capac loam, mod. well drained, non-irrigated
<b>SOIL CONDITION:</b>	No-Till, very high P, high K, 6.0 pH, 1.8% OM, 8.0 CEC
<b>PEST MANAGEMENT:</b>	Degree Extra, Atrazine, Incinerate, Round Up
<b>FERTILITY - Applied N:</b>	60 Fall, 80 Spring, 120 Sidedress
<b>Applied N-P-K (units):</b>	260-90-60
<b>SEEDED - RATE - ROW:</b>	May 12 33.6 /A 30" spacing
<b>HARVESTED - STAND:</b>	Oct 19 32.0 /A

### TEST COMMENTS:

*This location was planted in mid-May into a green wheat cover crop. The plot came up nice but the dry spring and green cover crop caused a lack of soil moisture early. Better rains during mid-season helped in pollination and ear fill. Good fertility and weed control at this site with chicken litter applied the previous fall. Some tar spot was present in the late season that could have cut yields in some areas of the plot.*

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Wyckoff	2483 VT2P RIB ↗	VT2P	105	<b>205.3</b>	20.7	1	31.2	1000	1
Golden Harvest	G07F23-3111 ↗	3111	107	<b>201.6</b>	24.4	1	32.5	963	4
Augusta	A4759-3111 ↗	3111	109	<b>201.5</b>	23.6	1	32.6	967	2
Dairyland	DS-4440AM ↗	AM	104	<b>200.3</b>	23.1	1	33.1	964	3
Dairyland	DS-4510Q ↗	QR	105	<b>198.6</b>	22.4	1	32.6	959	5
Local Seed	LC0707 DGV2PRIB ↗	VT2PDG	107	<b>196.3</b>	24.0	1	32.5	939	6
NK Brand	NK0760-3111 ↗	3111	107	<b>194.5</b>	24.5	1	32.9	929	8
M & W Seeds	45V21 ↗	VT2P	103	<b>192.6</b>	21.9	1	32.9	932	7
Wyckoff	2440 SS RIB ↗	STX	106	<b>191.6</b>	23.4	1	31.9	920	9
Renk	RK710DGV2P ↗	VT2PDG	107	189.7	22.7	1	32.9	915	10
Wyckoff	2335 SS RIB ↗	STX	104	189.3	22.7	1	32.2	913	11
Legacy	LC564-20 ↗	PC,E	106	187.1	24.4	1	31.2	894	12
Rupp	XR D06-53 ↗	VT2P	106	182.8	22.1	1	32.5	884	14
Integra	5529 VT2PRIB ↗	VT2P	105	181.8	20.2	1	33.2	888	13
Local Seed	LC0518 VT2PRIB ↗	VT2P	105	180.4	21.3	1	31.5	876	15
Golden Harvest	G03B96-5122 EZR ↗	5122	103	179.6	21.9	1	32.2	869	16
Specialty	36D260 ↗	VT2P	106	177.2	22.3	1	32.8	856	17
Legacy	LC-5319 ↗	STX	104	175.9	21.6	1	32.2	853	18
Local Seed	LC0607 TCRIB ↗	TRE	106	174.6	21.1	1	31.2	848	19
FS InVision	FS 5704V RIB ↗	VT2P	107	173.7	21.8	1	32.5	841	20
FS InVision	FS 5594X RIB ↗	STX	105	169.1	22.5	1	31.5	816	21
Integra	5682 VT2PRIB ↗	VT2P	106	168.2	22.6	1	28.8	811	22
Wyckoff	2433 SS RIB ↗	STX	106	165.3	23.0	1	32.5	796	23
Golden Harvest	G07G73-5122 EZR ↗	5122	107	162.9	24.0	1	32.2	780	24
Rupp	XR D05-16 ↗	VT2P	105	160.0	22.8	1	32.2	771	25
M & W Seeds	44V83 ↗	5222	107	159.6	25.1	1	31.5	760	26
M & W Seeds	44V42 ↗	VT2P	107	156.2	21.7	1	31.5	757	27
Renk	RK625DGV2P ↗	VT2PDG	104	155.6	20.9	1	32.5	757	28
Golden Harvest	G04S19-3122 EZR ↗	3122	104	153.1	22.0	1	31.5	741	29
Wyckoff	2500 SS RIB ↗	STX	107	149.2	22.9	1	32.9	719	30
Pioneer	P0339Q CK	QR	103	134.0	23.8	1	32.2	642	36
				<b>Averages =</b>	<b>173.0</b>	<b>22.8</b>	<b>1</b>	<b>32.0</b>	<b>832</b>
				<b>LSD (0.10) =</b>	17.3	0.8	ns		
				<b>LSD (0.25) =</b>	9.1	0.4	ns		
				<b>C.V. =</b>	11.0				
				Historic yield: 156.88 bu/a, 12 yr(s)					

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**Yield & Income Factors:** Base Moisture = 15.5% Shrink = 1.3 Drying = \$0.025 Prices: GMO = \$5.00; non-GMO = \$5.00

Report Date: 10/20/2021

† 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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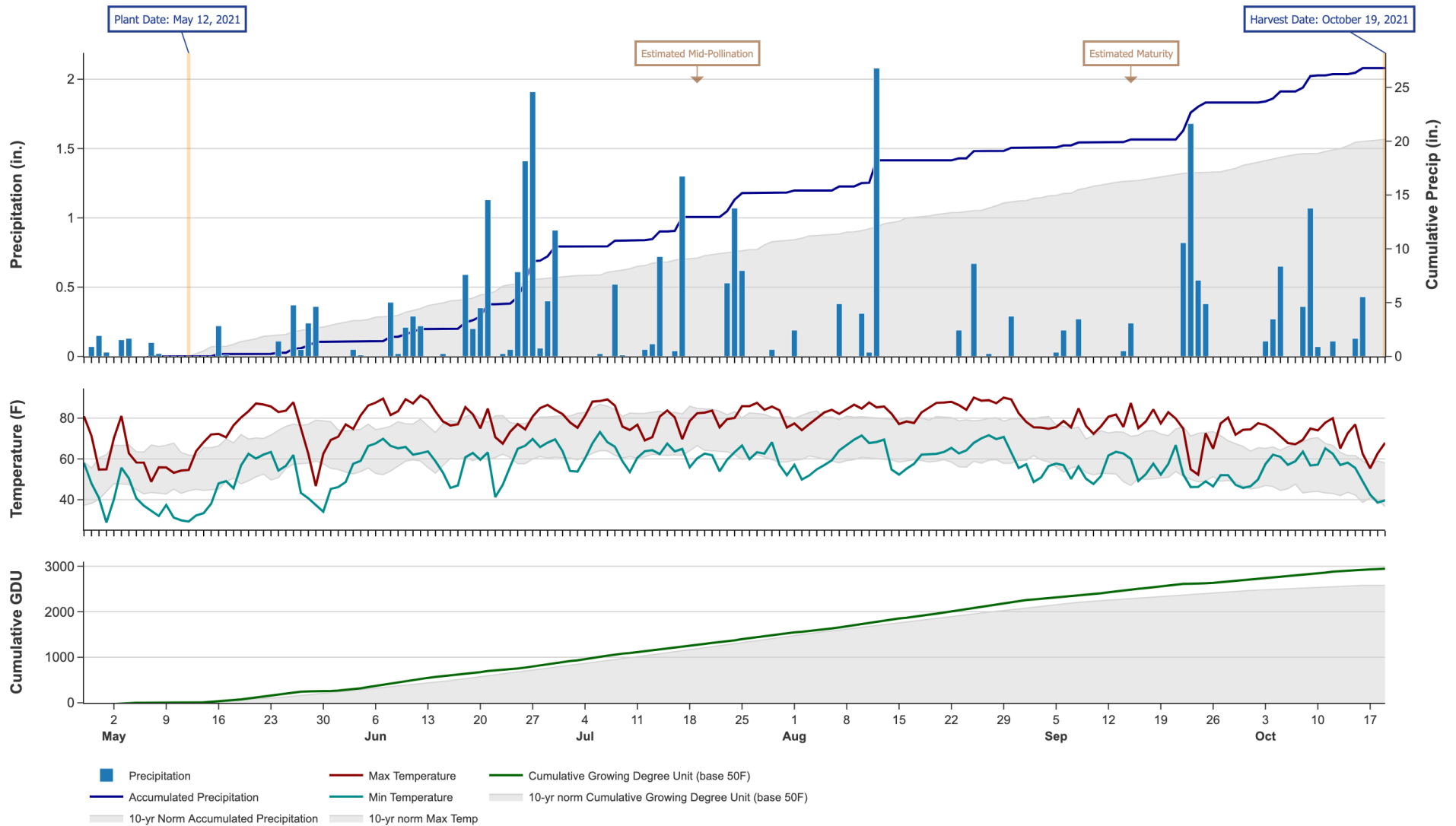
Additional reports available at [www.firstseedtests.com](http://www.firstseedtests.com)

# 2021 Corn - Michigan South [ MISO ]

## Weather Conditions Summary at CHARLOTTE, MI

Weather Data Retrieved: 10/20/2021

Monthly Total	Apr*	May	Jun	Jul	Aug	Sep	Oct*	Total
Precip (in)   Normal (Diff)	0.2   0.4 (-0.2)	1.8   4.6 (-2.9)	8.8   4.4 (+4.5)	5.0   3.5 (+1.5)	4.2   3.7 (+0.5)	4.2   3.3 (+0.9)	3.2   2.4 (+0.8)	27.4   22.3 (+5.1)
GDU   Normal (Diff)	30   5 (+24)	294   326 (-32)	619   531 (+87)	652   690 (-38)	709   608 (+100)	448   395 (+52)	258   118 (+139)	3010   2675 (+334)



\* 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

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<sup>^</sup> 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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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®

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

## Corn Seed Treatments\*

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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)

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\* Seed treatments may include unspecified plant health promoting components.