

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

2021 Corn Grain Top 30 Harvest Report

Michigan South [MISO] RIGA, MI
Bill Bierman, Lenawee County, MI 49276

Early-Season Test	97 - 103 Day CRM B2021MISO01a
Top 30 of 48	For Gross Income (Sorted by Yield) Average of (4) Replications
PREV. CROP/HERB:	Wheat/Clover / None
SOIL DESCRIPTION:	Ziegenfuss clay loam, moderately drained, non- irrigated
SOIL CONDITION:	No-Till, very high P, low K, 5.8 pH, 3.6% OM, 16.3 CEC
PEST MANAGEMENT:	Lexar Ez, Round Up
FERTILITY - Applied N:	206 Sidedress, Dry spread of fertilizer when corn 3 in tall
Applied N-P-K (units):	206-200-200
SEDED - RATE - ROW:	May 13 33.6 /A 30" spacing
HARVESTED - STAND:	Oct 21 32.7 /A

TEST COMMENTS:

This site was a no-till location planted in mid-May into a wheat/alfalfa cover crop with good stands after planting. Good rains fell during the growing season that led to excellent pollination and ear fill. The plot has great fertility and drainage with strong weed control. This led to a high-yielding site with a good range of moistures. Very little tat spot present at harvest. Overall, an excellent site.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Dairyland	DS-4014Q ↗	QR	100	272.9	19.1	1	33.2	1340	2
Renk	RK579DGV2P ↗	VT2PDG	99	270.5	17.9	1	32.5	1336	3
Wyckoff	2250 VT2P RIB ↗	VT2P	101	269.4	18.5	2	32.5	1327	4
FS InVision	FS 5115X RIB ↗	STX	101	264.5	18.5	1	32.5	1303	5
Specialty	31D921 ↗	VT2P	101	262.7	17.3	1	32.9	1302	6
Dairyland	DS-4018AM ↗	AM	101	261.8	18.7	1	32.9	1288	8
FS InVision	FS 4715V RIB ↗	VT2P	97	261.3	17.7	1	32.9	1292	7
Dairyland	DS-3959Q ↗	QR	99	261.2	18.9	1	32.5	1284	9
Legacy	LC-4248 ↗	VT2P	100	260.0	18.0	1	32.5	1284	10
Rupp	XR D99-08 ↗	VT2P	99	260.0	18.3	1	33.2	1281	11
Wyckoff	2212 VT2P RIB ↗	VT2P	100	258.0	18.4	1	33.2	1271	13
Dyna-Gro	D40VC41 ↗	VT2P	100	257.5	18.6	2	32.9	1268	14
Rupp	XR D98-43 ↗	TRE	98	257.5	17.3	1	33.2	1276	12
Renk	RK600VT2P ↗	VT2P	100	257.0	18.7	1	33.2	1265	15
Augusta	A2050 VT2P ↗	VT2P	100	255.6	18.4	1	33.5	1260	17
Dairyland	DS-4000AMXT ↗	AMXT	100	255.3	19.1	1	32.2	1253	18
Wyckoff	2170 TRE RIB ↗	TRE	98	255.1	17.5	1	32.2	1263	16
FS InVision	FS 53ZX1 RIB ↗	STX	103	254.2	18.6	1	31.2	1251	19
NK Brand	NK0243-3120 EZR ↗	3120	102	253.9	19.0	1	32.9	1247	21
Integra	5280 VT2PRIB ↗	VT2P	102	253.2	17.8	1	32.2	1251	20
Dairyland	DS-4310AM ↗	AM	103	251.8	19.8	1	32.9	1232	29
Golden Harvest	G02K39-3120 EZR ↗	3120	102	251.6	18.9	1	32.2	1237	27
FS InVision	FS 5098V RIB ↗	VT2P	100	251.4	18.4	1	32.9	1239	26
Legacy	LC474-20 ↗	TRE	97	251.2	17.1	1	32.5	1246	22
Golden Harvest	G03R40-5222 EZR ↗	5222	103	251.1	20.3	1	32.9	1225	31
Local Seed	LC0297 VT2PRIB ↗	VT2P	102	250.8	17.7	1	33.2	1241	24
Wyckoff	2180 VT2P RIB ↗	VT2P	98	250.8	17.5	1	32.5	1242	23
Integra	4601 VT2PRIB ↗	VT2P	96	250.7	17.6	1	33.2	1240	25
Wyckoff	2300 DGV2P RIB ↗	VT2PDG	103	249.4	17.2	1	32.9	1237	28
Renk	RK642VT2P ↗	VT2P	103	249.2	18.0	1	31.5	1231	30
Pioneer	P0339Q CK	QR	103	280.7	19.7	1	32.9	1374	1
				Averages =	250.8	18.4	1	32.7	1236
				LSD (0.10) =	12.4	0.4	ns		
				LSD (0.25) =	6.5	0.2	ns		
				C.V. =	5.4				
				Historic yield: 181.65 bu/a, 12 yr(s)					

Matt Turner

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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: 10/22/2021

† 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

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Bill Bierman, Lenawee County, MI 49276

Full-Season Test	104 - 107 Day CRM B2021MISO01b
Top 30 of 36	For Gross Income (Sorted by Yield) Average of (4) Replications
PREV. CROP/HERB:	Wheat/Clover / None
SOIL DESCRIPTION:	Ziegenfuss clay loam, moderately drained, non- irrigated
SOIL CONDITION:	No-Till, very high P, low K, 5.8 pH, 3.6% OM, 16.3 CEC
PEST MANAGEMENT:	Lexar Ez, Round Up
FERTILITY - Applied N:	206 Sidedress, Dry spread of fertilizer when corn 3 in tall
Applied N-P-K (units):	206-200-200
SEDED - RATE - ROW:	May 13 33.6 /A 30" spacing
HARVESTED - STAND:	Oct 21 32.5 /A

TEST COMMENTS:

This site was a no-till location planted in mid-May into a wheat/alfalfa cover crop with good stands after planting. Good rains fell during the growing season that led to excellent pollination and ear fill. The plot has great fertility and drainage with strong weed control. This led to a high-yielding site with a good range of moistures. Very little tat spot present at harvest. Overall, an excellent site.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Wyckoff	2500 SS RIB ↗	STX	107	278.8	18.5	1	32.2	1373	1
NK Brand	NK0760-3111 ↗	3111	107	278.3	19.6	1	32.5	1363	2
Legacy	LC564-20 ↗	PC,E	106	275.2	19.5	1	32.5	1349	3
Specialty	36D260 ↗	VT2P	106	272.6	18.5	1	33.2	1342	5
Integra	5719 VT2PRIB ↗	VT2P	107	272.6	19.8	1	32.9	1334	7
Dairyland	DS-4440AM ↗	AM	104	272.4	19.4	1	32.5	1336	6
M & W Seeds	45V21 ↗	VT2P	103	271.6	17.5	1	32.9	1345	4
Dairyland	DS-4510Q ↗	QR	105	270.4	19.2	1	32.9	1327	9
Local Seed	LC0607 TCRIB ↗	TRE	106	269.6	18.3	1	32.5	1329	8
Rupp	XR D06-53 ↗	VT2P	106	268.4	18.5	1	33.2	1322	11
Augusta	A4759-3111 ↗	3111	109	268.2	19.5	1	33.2	1314	12
Local Seed	LC0518 VT2PRIB ↗	VT2P	105	267.8	17.9	1	32.2	1323	10
Golden Harvest	G07F23-3111 ↗	3111	107	266.9	19.6	1	32.9	1307	15
Golden Harvest	G04S19-3122 EZR ↗	3122	104	266.1	19.1	1	32.5	1306	16
Local Seed	LC0707 DGVT2PRIB ↗	VT2PDG	107	265.1	18.1	1	32.9	1308	14
Renk	RK625DGVT2P ↗	VT2PDG	104	264.5	16.7	1	32.2	1314	13
Rupp	XR D05-16 ↗	VT2P	105	262.3	18.0	1	32.2	1295	17
Renk	RK710DGVT2P ↗	VT2PDG	107	260.1	18.7	1	32.2	1280	19
Wyckoff	2483 VT2P RIB ↗	VT2P	105	259.3	17.7	1	32.2	1282	18
FS InVision	FS 5594X RIB ↗	STX	105	258.3	18.6	1	32.2	1271	20
Golden Harvest	G07G73-5122 EZR ↗	5122	107	256.3	20.4	1	32.9	1250	24
Wyckoff	2335 SS RIB ↗	STX	104	255.7	18.1	1	33.2	1262	21
Wyckoff	2440 SS RIB ↗	STX	106	254.6	18.7	1	32.2	1252	23
Golden Harvest	G03B96-5122 EZR ↗	5122	103	253.9	19.9	3	31.9	1242	26
Wyckoff	2433 SS RIB ↗	STX	106	253.6	19.1	1	32.9	1245	25
FS InVision	FS 5704V RIB ↗	VT2P	107	252.0	18.6	1	32.5	1241	27
M & W Seeds	44V42 ↗	VT2P	107	252.0	18.5	1	32.5	1241	28
NK Brand	NK0748-3120 EZR ↗	3120	107	250.6	19.6	1	32.9	1227	29
FS InVision	FS 5515D2 EZR ↗	5222	105	248.2	19.1	1	31.9	1219	30
Legacy	LC-5319 ↗	STX	104	246.2	18.4	1	32.5	1213	31
Pioneer	P0339Q CK	QR	103	257.1	19.5	1	33.2	1260	22
				Averages =	258.8	18.9	1	32.5	1272
				LSD (0.10) =	14.7	0.4	0		
				LSD (0.25) =	7.7	0.2	0		
				C.V. =	6.2				
				Historic yield: 181.65 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: 10/22/2021

† 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

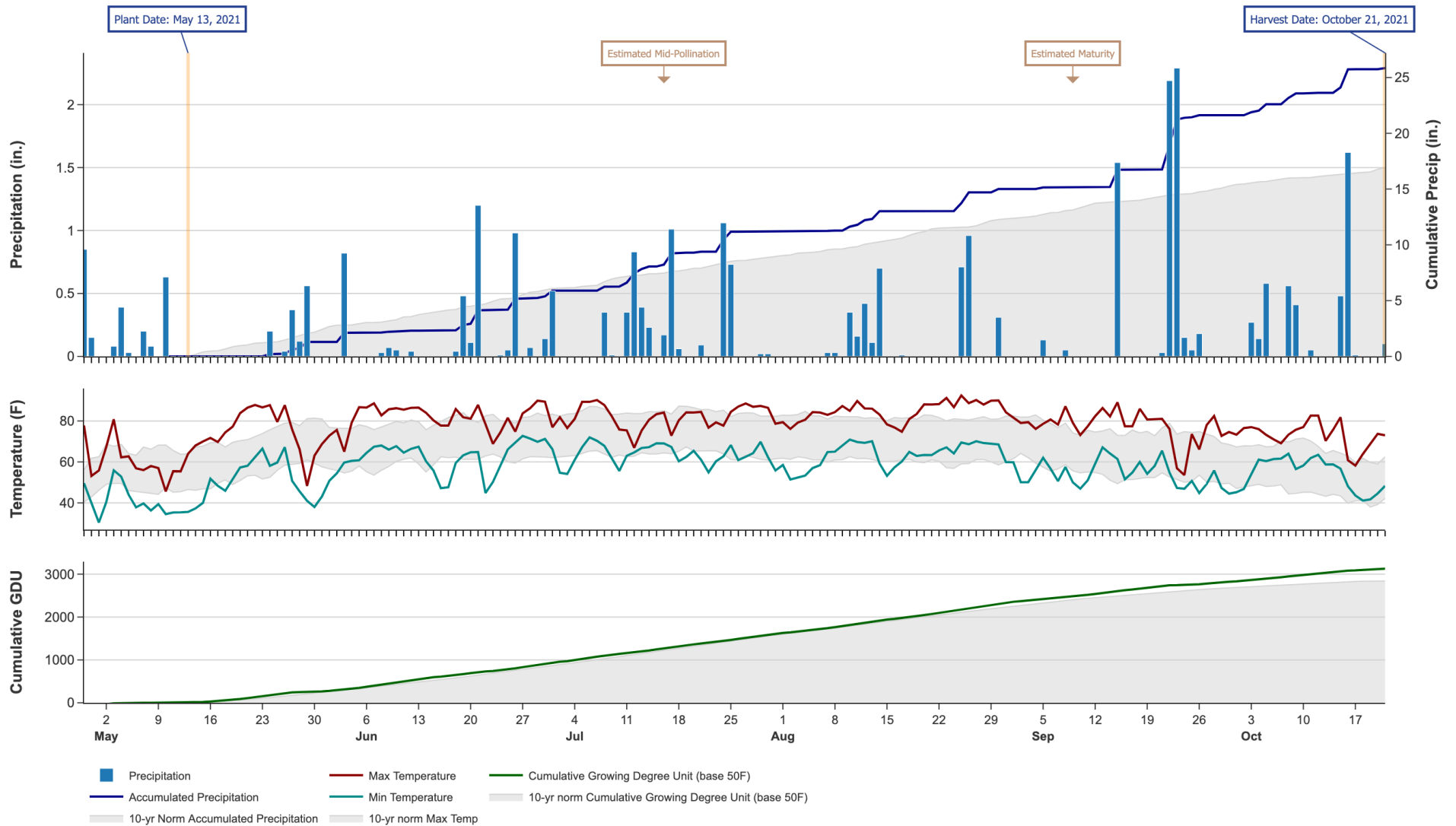
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2021 Corn - Michigan South [MISO]

Weather Conditions Summary at RIGA, MI

Monthly Total	Apr*	May	Jun	Jul	Aug	Sep	Oct*	Total
Precip (in) Normal (Diff)	1.0 0.3 (+0.7)	2.7 4.4 (-1.7)	4.1 3.5 (+0.5)	5.8 3.0 (+2.8)	3.8 3.4 (+0.4)	6.6 3.0 (+3.7)	4.2 1.7 (+2.6)	28.2 19.2 (+9.1)
GDU Normal (Diff)	14 5 (+8)	307 355 (-48)	651 587 (+63)	692 739 (-47)	726 654 (+71)	487 447 (+39)	305 158 (+146)	3182 2950 (+231)



* 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.