

Test by: F.I.R.S.T. MSR, Inc. Columbia, MO

2021 Corn Grain Top 30 Harvest Report

Missouri Central [MOCE] PORTAGE DES SIOUX, MO
Matt Neustadt, St. Charles County, MO

Early-Season Test	107 - 112 Day CRM B2021MOCE05a
Top 30 of 36	For Gross Income (Sorted by Yield) Average of (4) Replications
PREV. CROP/HERB:	Soybean / Roundup, Zidua Pro
SOIL DESCRIPTION:	Sioux Loam loam, well drained, non-irrigated
SOIL CONDITION:	Minimum W/ Fall Till, soil test TDB
PEST MANAGEMENT:	Anthem Maxx, Cavallo, Atrazine, Force 3g
FERTILITY - Applied N:	220 Sidedress, 25# Sulphur
Applied N-P-K (units):	220-0-0
SEEDED - RATE - ROW:	Apr 6 32.4 /A 30" spacing
HARVESTED - STAND:	Sep 10 32.2 /A

TEST COMMENTS:

April started off with warm temperatures and great drying weather. The location was seeing daytime highs 20 degrees above normal. Early planting of this trial into very good soil conditions followed. Then, daily high temperatures about 2 weeks after planting were below the average low this time of year. (See April 21 on weather summary and graph below.) Emergence was slow. Well-drained soil helped. Two separate nitrogen applications were made: side dress and drops before tassel. The trial took shape with pollination rainfall events. Plenty of 90 degree days and wind in early September aided with crop dry-down.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
NuTech	72D4AM ↗	AM	112	278.5	17.5	1	31.8	1368	1
Burrus	POWER PLUS 4C14AM ↗	AM	108	260.8	16.2	1	32.3	1294	2
FS InVision	FS 6107T RIB ↗	TRE	111	258.6	15.4	1	32.5	1289	3
Lewis	12DT302 ↗	TRE	112	254.6	16.0	2	32.0	1264	4
Lewis	11DT912 ↗	TRE	111	253.7	16.8	1	32.3	1253	6
NuTech	68A7AM ↗	AM	108	253.4	16.3	1	31.8	1256	5
NuTech	68B3AML ↗	AML	108	252.2	16.1	1	32.5	1251	7
Pioneer	P0995AM GC ↗	AM	109	248.7	17.4	1	31.8	1223	8
Midland Genetics	582TRE RIB ↗	TRE	111	247.2	18.9	1	32.0	1203	12
NuTech	72B7Q ↗	QR	112	246.7	17.7	1	32.5	1210	10
Golden Harvest	G12S75-5122 EZR ↗	5122	112	244.6	19.8	1	33.0	1182	16
FS InVision	FS 6017V RIB ↗	VT2P	110	243.8	16.1	1	32.5	1210	11
FS InVision	FS 5909D2A EZR ↗	5222A	109	243.7	19.7	1	32.0	1178	18
Great Heart	HT-7256DGVT2P ↗	VT2PDG	112	243.5	17.4	1	32.0	1197	14
Golden Harvest	G10D21-3330 EZR ↗	3330	110	243.3	16.5	1	32.3	1203	13
Golden Harvest	G11V76-3120 EZR ↗	3120	111	243.2	18.2	1	32.3	1189	15
NK Brand	NK1188-3120 EZR ↗	3120	111	241.8	18.3	1	32.3	1181	17
Augusta	A1259-5222 ↗	5222	109	240.7	19.7	1	32.3	1164	19
Golden Harvest	G10L16-3220A EZR ↗	3220A	110	236.5	17.9	1	32.3	1158	20
NuTech	70A8AM ↗	AM	110	234.6	17.1	1	32.3	1156	21
Midland Genetics	381VLGA EZ1 ↗	3220A	108	234.2	17.2	1	31.5	1153	22
Midland Genetics	660PR DG RIB ↗	VT2PDG	113	234.0	17.7	1	32.8	1148	23
Pioneer	P1108Q GC ↗	QR	111	232.0	17.0	1	32.3	1144	24
NK Brand	NK1082-3220A EZR ↗	3220A	110	229.9	18.0	1	32.0	1125	25
Midland Genetics	570PR RIB ↗	VT2P	112	228.7	18.4	1	32.5	1117	27
AgriGold	A641-54VT2RIB GC ↗	VT2P	111	227.4	18.5	1	32.0	1109	29
Burrus	POWER PLUS 5L44AM ↗	AM	110	224.8	17.6	1	32.0	1104	30
Lewis	09DD740 ↗	VT2PDG	109	224.0	15.2	1	31.5	1118	26
FS InVision	FS 6106X RIB ↗	STX	111	222.3	14.6	1	32.3	1112	28
AgriGold	A638-74VT2PRIB GC ↗	VT2P	108	220.7	15.7	1	32.0	1098	31
Pioneer	P1380AM CK	AM	113	248.2	17.7	1	32.0	1217	9
				Averages =	236.3	17.2	1	32.2	1160
				LSD (0.10) =	11.3	0.6	ns		
				LSD (0.25) =	6.0	0.3	ns		
				C.V. =	5.3				
				Historic yield: 242.52 bu/a, 2 yr(s)					

William Schelp

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Yield & Income Factors: Base Moisture = 15.0% Shrink = 1.3 Drying = \$0.035 Prices: GMO = \$5.00; non-GMO = \$5.00

Report Date: 09/13/2021

† 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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Full-Season Test	113 - 118 Day CRM B2021MOCE05b
Top 30 of 36	For Gross Income (Sorted by Yield) Average of (4) Replications
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SOIL CONDITION:	Minimum W/ Fall Till, soil test TDB
PEST MANAGEMENT:	Anthem Maxx, Cavallo, Atrazine, Force 3g
FERTILITY - Applied N:	220 Sidedress, 25# Sulphur
Applied N-P-K (units):	220-0-0
SEEDED - RATE - ROW:	Apr 6 32.4 /A 30" spacing
HARVESTED - STAND:	Sep 10 32.2 /A

TEST COMMENTS:

April started off with warm temperatures and great drying weather. The location was seeing daytime highs 20 degrees above normal. Early planting of this trial into very good soil conditions followed. Then, daily high temperatures about 2 weeks after planting were below the average low this time of year. (See April 21 on weather summary and graph below.) Emergence was slow. Well-drained soil helped. Two separate nitrogen applications were made: side dress and drops before tassel. The trial took shape with pollination rainfall events. Plenty of 90 degree days and wind in early September aided with crop dry-down.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Lewis	17DP651 ↗	VT2P	117	267.4	21.8	1	32.0	1274	2
Golden Harvest	G17E95-3110 ↗	3110	117	264.1	19.9	1	32.0	1275	1
Dyna-Gro	D55VC80 ↗	VT2P	115	263.1	20.3	1	32.3	1267	3
Burrus	POWER PLUS 6J92AM ↗	AM	113	256.8	19.8	1	33.3	1241	5
NuTech	74A9AM ↗	AM	114	256.3	17.4	1	32.0	1260	4
AgriGold	A645-16VT2RIB GC ↗	VT2P	115	255.8	20.5	1	32.0	1230	11
Lewis	15DP899 ↗	VT2P	115	254.6	18.7	1	31.8	1240	7
Golden Harvest	G15J91-3220 EZR ↗	3220	115	254.0	19.7	1	32.3	1228	12
NuTech	74B6AM ↗	AM	114	253.7	19.8	1	32.0	1226	14
Lewis	15DT512 ↗	TRE	115	253.7	18.9	1	32.3	1234	8
NuTech	77A5AM ↗	AM	117	252.9	19.4	1	32.3	1225	15
Midland Genetics	752TRE RIB ↗	TRE	115	252.8	19.0	1	32.5	1228	13
Midland Genetics	662TRE RIB ↗	TRE	113	252.8	17.7	1	31.8	1241	6
Pioneer	P1870AM GC ↗	AM	118	251.8	20.5	1	32.3	1211	17
NuTech	74F3AM ↗	AM	114	250.4	18.4	1	32.3	1222	16
FS InVision	FS 6306T RIB ↗	TRE	113	249.9	17.1	1	32.0	1231	10
Lewis	16DP850 ↗	VT2P	116	248.8	21.8	1	32.0	1185	23
Midland Genetics	801PR RIB ↗	VT2P	117	247.9	19.5	1	32.8	1200	18
FS InVision	FS 6595V RIB ↗	VT2P	115	247.7	20.8	1	32.0	1188	22
FS InVision	FS 6395VDG RIB ↗	VT2PDG	113	245.7	18.3	1	32.5	1200	19
FS InVision	FS 6606T RIB ↗	TRE	116	244.2	18.5	1	31.8	1191	21
Dyna-Gro	D54VC34 ↗	VT2P	114	243.7	17.9	1	32.3	1194	20
NK Brand	NK1523-3220 EZR ↗	3220	115	242.3	19.9	1	32.0	1170	25
FS InVision	FS 6818V RIB ↗	VT2P	118	242.0	21.1	1	32.3	1159	28
NK Brand	NK1661-3120A EZR ↗	3120A	116	240.9	20.2	1	32.3	1161	26
Lewis	13DT272 ↗	TRE	113	239.9	16.9	1	32.3	1184	24
Midland Genetics	621PR RIB ↗	VT2P	114	238.9	19.1	1	32.3	1160	27
Burrus	7K64 DGVT2P ↗	VT2PDG	115	237.6	19.4	1	32.0	1151	29
Golden Harvest	G16Q82-3120A EZR ↗	3120A	116	236.3	20.0	1	32.0	1140	31
Golden Harvest	G13D55-3220 EZR ↗	3220	113	235.4	19.0	1	32.0	1144	30
Pioneer	P1380AM CK	AM	113	251.6	17.8	1	32.0	1233	9
				Averages =	246.4	19.4	1	32.2	1194
				LSD (0.10) =	10.3	0.7	ns		
				LSD (0.25) =	5.4	0.3	ns		
				C.V. =	4.6				
				Historic yield: 242.52 bu/a, 2 yr(s)					

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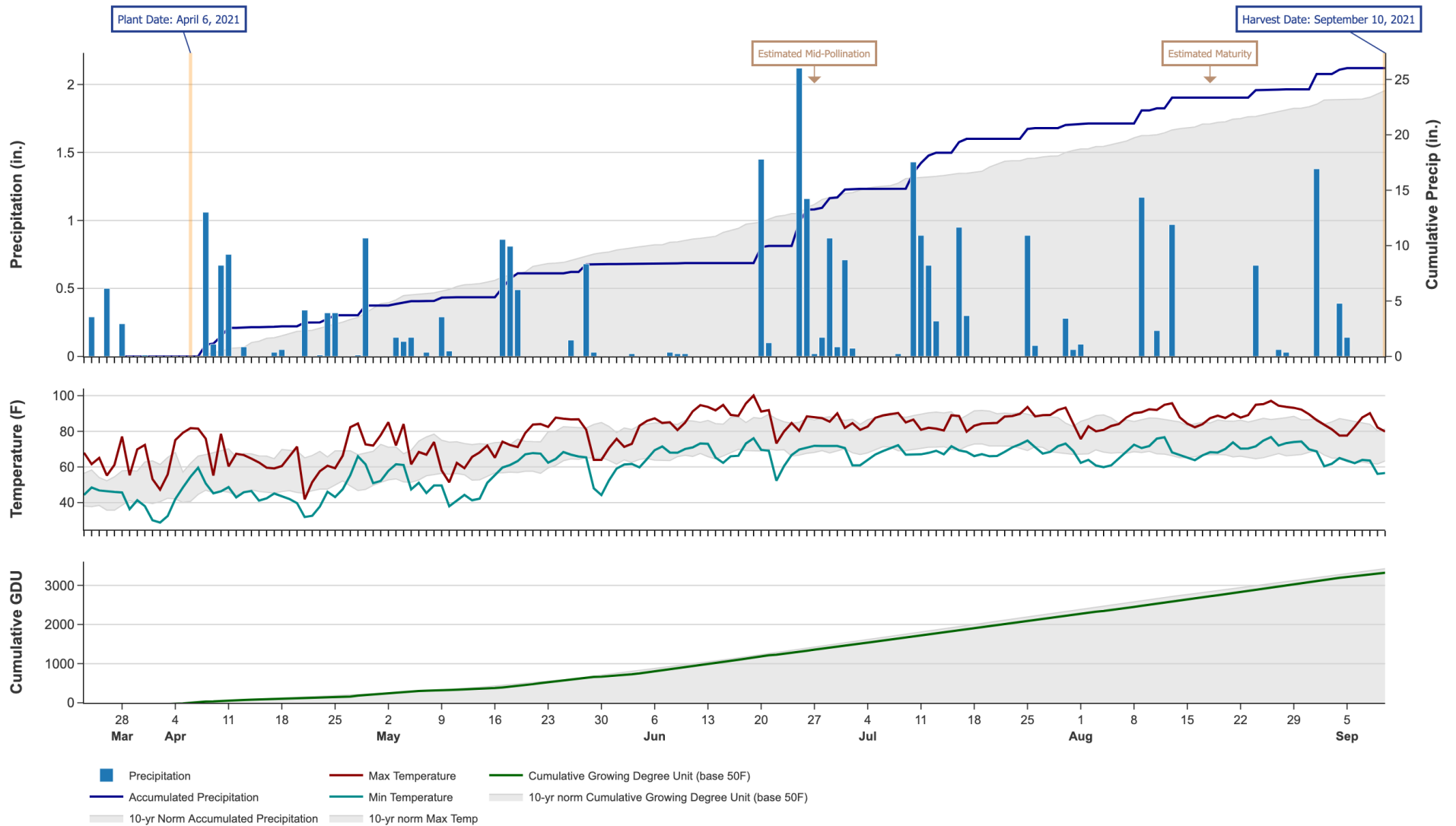
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2021 Corn - Missouri Central [MOCE]

Weather Conditions Summary at PORTAGE DES SIOUX, MO

Weather Data Retrieved: 09/13/2021

Monthly Total	Mar*	Apr	May	Jun	Jul	Aug	Sep*	Total
Precip (in) Normal (Diff)	1.0 1.6 (-0.6)	4.6 5.3 (-0.7)	3.7 5.0 (-1.3)	6.0 5.0 (+1.0)	6.6 4.2 (+2.4)	3.2 3.9 (-0.8)	1.9 1.5 (+0.4)	27.1 26.5 (+0.6)
GDU Normal (Diff)	65 6 (+58)	256 247 (+8)	467 517 (-50)	765 772 (-7)	820 866 (-46)	838 814 (+23)	222 241 (-19)	3433 3466 (-33)



* 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 - Missouri Central [MOCE]

Early-Season Test Products (36 Total)

Company/Brand	Product/Brand	Technology	RIB	RM	Seed Treat.
AgriGold	A638-74VT2PRIB GC	VT2P	Y*	108	AC
AgriGold	A641-54VT2RIB GC	VT2P	Y	111	AC,P5V
Augusta	A1259-5222	5222	N	109	CM,C2
Burrus	POWER PLUS 4C14AM	AM	Y	108	Lum
Burrus	POWER PLUS 5L44AM	AM	Y	110	Lum,P1V
Dyna-Gro	D51VC67	VT2P	N	110	AC,P5V
FS InVision	FS 5815V RIB	VT2P	Y	108	AC,P5V
FS InVision	FS 5909D2A EZR	5222A	Y	109	AC,P5V
FS InVision	FS 6017V RIB	VT2P	Y	110	AC,P5V,EDC-EL
FS InVision	FS 6106X RIB	STX	Y	111	AC,P5V
FS InVision	FS 6107T RIB	TRE	Y	111	AC,P5V
Golden Harvest	G10D21-3330 EZR	3330	Y	110	AVC,C5,Vi
Golden Harvest	G10L16-3220A EZR	3220A	Y	110	AVC,C5,Vi
Golden Harvest	G11V76-3120 EZR	3120	Y	111	AVC,C5,Vi
Golden Harvest	G12S75-5122 EZR	5122	Y	112	AVC,C5,Vi
Great Heart	HT-7256DGV2P	VT2PDG	Y	112	AC,P5V
Lewis	08DP739	VT2P	Y	108	AC,P2,B360
Lewis	09DD740	VT2PDG	Y	109	AC,P5,EDC
Lewis	10DP719	VT2P	Y	110	AC,P2,B360
Lewis	11DT912	TRE	Y	111	AC,P5,EDC
Lewis	12DT302	TRE	Y	112	AC,P5,EDC
Midland Genetics	381VLGA EZ1	3220A	Y	108	Edge-CST
Midland Genetics	411PR RIB	VT2P	Y	110	Edge-CST
Midland Genetics	570PR RIB	VT2P	Y	112	Edge-CST
Midland Genetics	582TRE RIB	TRE	Y	111	Edge-CST
Midland Genetics	660PR DG RIB	VT2PDG	Y	113	Edge-CST
NK Brand	NK1082-3220A EZR	3220A	Y	110	AVC,C5,Vi
NK Brand	NK1188-3120 EZR	3120	Y	111	AVC,C5,Vi
NuTech	68A7AM	AM	Y	108	Lum,P1V
NuTech	68B3AML	AML	Y	108	Lum,P1V
NuTech	70A8AM	AM	Y	110	Lum,P1V
NuTech	72B7Q	QR	Y	112	Lum,P1V
NuTech	72D4AM	AM	Y	112	Lum,P1V
Pioneer	P0995AM GC	AM	N*	109	Lum
Pioneer	P1108Q GC	QR	Y	111	Lum
Pioneer	P1380AM CK	AM	Y	113	Lum

* 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 - Missouri Central [MOCE]

Full-Season Test Products (36 Total)

Company/Brand	Product/Brand	Technology	RIB	RM	Seed Treat.
AgriGold	A645-16VT2RIB GC	VT2P	Y	115	AC,P5V
AgriGold	A647-35-5222 GC	5222	N	117	Treated
Burrus	7K64 DGVT2P	VT2PDG	Y	115	BPS
Burrus	POWER PLUS 6J92AM	AM	Y	113	BPS
Dyna-Gro	D54VC34	VT2P	N	114	AC,P5V
Dyna-Gro	D55VC80	VT2P	N	115	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 6606T RIB	TRE	Y	116	AC,P5V
FS InVision	FS 6818V RIB	VT2P	Y	118	AC,P5V
Golden Harvest	G13D55-3220 EZR	3220	Y	113	AVC,C5,Vi
Golden Harvest	G13P84-3120 EZR	3120	Y	113	AVC,C5,Vi
Golden Harvest	G15J91-3220 EZR	3220	Y	115	AVC,C5,Vi
Golden Harvest	G16Q82-3120A EZR	3120A	Y	116	AVC,C5,Vi
Golden Harvest	G17E95-3110	3110	N	117	AVC,C5,Vi
Great Heart	HT-7302VT2P	VT2P	Y	113	AC,P5V
Lewis	13DT272	TRE	Y	113	AC,P5,EDC
Lewis	15DP899	VT2P	Y	115	AC,P2,B360
Lewis	15DT512	TRE	Y	115	AC,P5,EDC
Lewis	16DP850	VT2P	Y	116	AC,P5,EDC
Lewis	17DP651	VT2P	Y	117	AC,P5,EDC
Midland Genetics	621PR RIB	VT2P	Y	114	Edge-CST
Midland Genetics	662TRE RIB	TRE	Y	113	Edge-CST
Midland Genetics	752TRE RIB	TRE	Y	115	Edge-CST
Midland Genetics	782PR RIB	VT2P	Y	115	Edge-CST
Midland Genetics	801PR RIB	VT2P	Y	117	Edge-CST
NK Brand	NK1321-3120 EZR	3120	Y	113	AVC,C5,Vi
NK Brand	NK1523-3220 EZR	3220	Y	115	AVC,C5,Vi
NK Brand	NK1661-3120A EZR	3120A	Y	116	AVC,C5,Vi
NuTech	74A9AM	AM	Y	114	Lum,P1V
NuTech	74B6AM	AM	Y	114	Lum,P1V
NuTech	74F3AM	AM	Y	114	Lum,P1V
NuTech	77A5AM	AM	Y	117	Lum,P1V
Pioneer	P1380AM CK	AM	Y	113	Lum
Pioneer	P1870AM GC	AM	Y	118	Lum

* 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)
3120A	Agrisure® Artesian® 3120 (CB,HX,LL,GT)
3220	Agrisure® Viptera® 3220 (Vip,CB,HX,LL,GT)
3220A	Agrisure® Artesian® Viptera® 3220 (Vip,CB,HX,LL,GT)
3330	Agrisure® Viptera® 3330 (Vip,CB,LL,GT)
5122	Agrisure® Duracade™ 5122
5222	Agrisure® Duracade™ 5222
5222A	Agrisure® Duracade™ Artesian® 5222
AM	Optimum® AcreMax®
AML	Optimum® AcreMax® Leptra® (Vip,YGCB,HX,LL,RR2)
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	Acceleron® unspecified
AC,P2,B360	Acceleron® 250 with BioRise™ B-360 ST
AC,P5,EDC	Acceleron® 500, Enhanced Disease Control
AC,P5V	Acceleron® Poncho 500/Votivo
AC,P5V,EDC-EL	Acceleron® ELITE Poncho 500/Votivo with Enhanced Disease Control
AVC,C5,Vi	Avicta® Complete 500, Vibrance
BPS	Burrus PowerShield
CM,C2	CruiserMaxx® 250
Edge-CST	Vibrance® Cinco + Cruiser® (Midland Genetics)
Lum	LumiGEN™ (Corteva Agriscience)
Lum,P1V	LumiGEN™ Poncho 1250/Votivo
Treated	Treated seed, unspecified

* Seed treatments may include unspecified plant health promoting components.