

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

## 2021 Corn Grain Top 30 Harvest Report

Missouri Central [MOCE] NEW FRANKLIN, MO  
Randy & Danny Kircher, Howard County, MO 65274

<b>Early-Season Test</b>	107 - 112 Day CRM B2021MOCE03a
<b>Top 30 of 36</b>	For Gross Income (Sorted by Yield) Average of (3) Replications
<b>PREV. CROP/HERB:</b>	Soybean / Gramoxone, Sonic, Zidua, Roundup
<b>SOIL DESCRIPTION:</b>	Lomo silt loam, well drained, non-irrigated
<b>SOIL CONDITION:</b>	Conventional W/ Fall Till, high P, very high K, 5.1 pH, 1.4% OM, 19.5 CEC
<b>PEST MANAGEMENT:</b>	Degree Xtra, Atrazine, Glyphosate, Force 6.5g
<b>FERTILITY - Applied N:</b>	200 Spring
<b>Applied N-P-K (units):</b>	200-70-50
<b>SEEDED - RATE - ROW:</b>	May 13 30.4 /A 30" spacing
<b>HARVESTED - STAND:</b>	Sep 28 28.6 /A

### TEST COMMENTS:

Normal rainfall from planting to around maturity here is 18.2", and May and June had 19.4". This is a well-drained soil location. However, crop establishment, root development, and yield were all affected by excessive rainfall. Water damage caused some stand reduction across both tests. Danny commented how this was the worst cropping year he has seen. Seeing how hybrids perform in punishing conditions seems to be a familiar theme this year in Central Missouri. Trial yield averages are approximately half of last year. One water-damaged replicate was removed.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
NuTech	70A8AM ↗	AM	110	<b>157.2</b>	14.2	1	28.0	786	1
Golden Harvest	G10D21-3330 EZR ↗	3330	110	<b>157.0</b>	13.6	1	29.7	785	2
AgriGold	A641-54VT2RIB GC ↗	VT2P	111	<b>156.6</b>	14.0	1	29.7	783	3
Midland Genetics	582TRE RIB ↗	TRE	111	<b>154.9</b>	13.8	1	29.3	774	4
Dyna-Gro	D51VC67 ↗	VT2P	110	<b>148.2</b>	13.6	1	30.0	741	5
Midland Genetics	570PR RIB ↗	VT2P	112	<b>146.9</b>	14.2	1	29.7	734	6
Lewis	08DP739 ↗	VT2P	108	<b>146.2</b>	12.9	1	29.3	731	7
Midland Genetics	660PR DG RIB ↗	VT2PDG	113	<b>145.4</b>	14.2	1	28.3	727	8
Pioneer	P1108Q GC ↗	QR	111	144.0	14.0	1	29.3	720	9
Midland Genetics	411PR RIB ↗	VT2P	110	143.6	13.3	1	28.7	718	10
Burrus	POWER PLUS 5L44AM ↗	AM	110	142.5	13.9	1	29.0	712	11
Golden Harvest	G10L16-3220A EZR ↗	3220A	110	140.3	13.0	1	28.7	702	12
FS InVision	FS 6017V RIB ↗	VT2P	110	140.1	13.4	1	28.7	700	13
Midland Genetics	381VLGA EZ1 ↗	3220A	108	140.0	13.2	1	28.7	700	14
NuTech	72D4AM ↗	AM	112	139.6	14.0	1	29.0	698	15
FS InVision	FS 6106X RIB ↗	STX	111	137.8	12.8	1	29.3	689	16
Burrus	POWER PLUS 4C14AM ↗	AM	108	137.8	13.3	1	27.0	689	17
Pioneer	P0995AM GC ↗	AM	109	137.7	13.9	1	27.3	688	18
Lewis	09DD740 ↗	VT2PDG	109	136.6	13.0	1	29.3	683	19
NuTech	72B7Q ↗	QR	112	135.5	14.1	1	28.7	678	20
Lewis	11DT912 ↗	TRE	111	135.2	14.2	1	28.3	676	21
FS InVision	FS 5909D2A EZR ↗	5222A	109	135.1	13.9	1	28.3	676	22
Lewis	12DT302 ↗	TRE	112	135.0	14.1	1	28.7	675	23
Great Heart	HT-7256DGVT2P ↗	VT2PDG	112	134.2	13.9	1	28.3	671	24
NK Brand	NK1082-3220A EZR ↗	3220A	110	130.8	13.5	1	28.7	654	25
Augusta	A1259-5222 ↗	5222	109	128.7	13.6	1	29.0	644	26
NK Brand	NK1188-3120 EZR ↗	3120	111	128.0	14.7	1	28.3	640	27
Lewis	10DP719 ↗	VT2P	110	127.9	12.9	1	27.3	640	28
Golden Harvest	G11V76-3120 EZR ↗	3120	111	127.0	14.2	1	28.0	635	29
FS InVision	FS 5815V RIB ↗	VT2P	108	125.6	12.9	1	28.0	628	30
Pioneer	P1380AM CK	AM	113	117.7	14.4	1	28.3	588	35
				<b>Averages =</b>	<b>136.2</b>	<b>13.7</b>	<b>1</b>	<b>28.6</b>	<b>681</b>
				LSD (0.10) =	8.9	0.4	ns		
				LSD (0.25) =	4.6	0.2	ns		
				C.V. =	6.1				
				Historic yield: 224.47 bu/a, 3 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: 10/08/2021

† 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

Missouri Central [MOCE] NEW FRANKLIN, MO  
Randy & Danny Kircher, Howard County, MO 65274

<b>Full-Season Test</b>	113 - 118 Day CRM B2021MOCE03b
<b>Top 30 of 36</b>	For Gross Income (Sorted by Yield) Average of (3) Replications
<b>PREV. CROP/HERB:</b>	Soybean / Gramoxone, Sonic, Zidua, Roundup
<b>SOIL DESCRIPTION:</b>	Lomo silt loam, well drained, non-irrigated
<b>SOIL CONDITION:</b>	Conventional W/ Fall Till, high P, very high K, 5.1 pH, 1.4% OM, 19.5 CEC
<b>PEST MANAGEMENT:</b>	Degree Xtra, Atrazine, Glyphosate, Force 6.5g
<b>FERTILITY - Applied N:</b>	200 Spring
<b>Applied N-P-K (units):</b>	200-70-50
<b>SEEDED - RATE - ROW:</b>	May 13 30.4 /A 30" spacing
<b>HARVESTED - STAND:</b>	Sep 28 28.5 /A

### TEST COMMENTS:

Normal rainfall from planting to around maturity here is 18.2", and May and June had 19.4". This is a well-drained soil location. However, crop establishment, root development, and yield were all affected by excessive rainfall. Water damage caused some stand reduction across both tests. Danny commented how this was the worst cropping year he has seen. Seeing how hybrids perform in punishing conditions seems to be a familiar theme this year in Central Missouri. Trial yield averages are approximately half of last year. One water-damaged replicate was removed.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Golden Harvest	G17E95-3110 ↗	3110	117	<b>173.2</b>	16.2	1	29.3	859	1
NK Brand	NK1321-3120 EZR ↗	3120	113	<b>171.0</b>	15.0	1	29.3	855	2
Lewis	15DP899 ↗	VT2P	115	<b>170.7</b>	15.1	1	29.0	853	3
Midland Genetics	662TRE RIB ↗	TRE	113	<b>168.5</b>	13.9	1	30.0	842	4
Golden Harvest	G13P84-3120 EZR ↗	3120	113	<b>167.8</b>	14.9	1	29.0	839	5
Lewis	17DP651 ↗	VT2P	117	<b>166.5</b>	16.1	1	29.3	826	7
Burrus	7K64 DGVT2P ↗	VT2PDG	115	<b>165.9</b>	14.3	1	28.0	830	6
Lewis	16DP850 ↗	VT2P	116	<b>162.3</b>	16.3	1	29.7	804	11
NuTech	74B6AM ↗	AM	114	<b>161.9</b>	14.8	1	29.7	810	8
Dyna-Gro	D55VC80 ↗	VT2P	115	<b>161.8</b>	15.3	1	28.7	807	9
Pioneer	P1870AM GC ↗	AM	118	<b>161.0</b>	14.6	1	29.0	805	10
Midland Genetics	782PR RIB ↗	VT2P	115	155.3	14.4	1	29.0	776	12
FS InVision	FS 6306T RIB ↗	TRE	113	154.0	13.5	1	28.0	770	13
Midland Genetics	801PR RIB ↗	VT2P	117	151.4	15.7	1	28.7	753	14
Lewis	15DT512 ↗	TRE	115	150.6	14.6	1	29.0	753	15
Great Heart	HT-7302VT2P ↗	VT2P	113	149.9	14.4	1	27.3	750	16
Lewis	13DT272 ↗	TRE	113	148.9	14.0	1	28.7	744	17
FS InVision	FS 6818V RIB ↗	VT2P	118	148.5	16.1	1	29.0	737	19
NK Brand	NK1661-3120A EZR ↗	3120A	116	147.5	15.0	1	29.7	738	18
NK Brand	NK1523-3220 EZR ↗	3220	115	147.4	15.4	1	29.3	735	20
AgriGold	A645-16VT2RIB GC ↗	VT2P	115	146.0	15.2	1	29.0	729	21
Midland Genetics	621PR RIB ↗	VT2P	114	145.3	14.7	1	28.3	726	22
Midland Genetics	752TRE RIB ↗	TRE	115	145.3	14.6	1	28.3	726	23
Dyna-Gro	D54VC34 ↗	VT2P	114	142.3	14.4	1	28.3	712	24
NuTech	74F3AM ↗	AM	114	141.1	14.5	1	28.3	706	25
FS InVision	FS 6595V RIB ↗	VT2P	115	140.8	15.6	1	30.3	701	26
FS InVision	FS 6395VDG RIB ↗	VT2PDG	113	138.7	14.0	1	29.0	694	27
Golden Harvest	G15J91-3220 EZR ↗	3220	115	136.8	14.7	1	27.0	684	28
Golden Harvest	G13D55-3220 EZR ↗	3220	113	135.8	14.3	1	27.7	679	29
Golden Harvest	G16Q82-3120A EZR ↗	3120A	116	134.5	15.0	1	26.3	672	30
Pioneer	P1380AM CK	AM	113	112.9	14.1	1	28.0	564	34
				<b>Averages =</b>	<b>147.5</b>	<b>14.9</b>	<b>1</b>	<b>28.5</b>	<b>736</b>
				LSD (0.10) =	11.4	0.6	ns		
				LSD (0.25) =	6.0	0.3	ns		
				C.V. =	7.3				
				Historic yield: 224.47 bu/a, 3 yr(s)					

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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: 10/08/2021

† 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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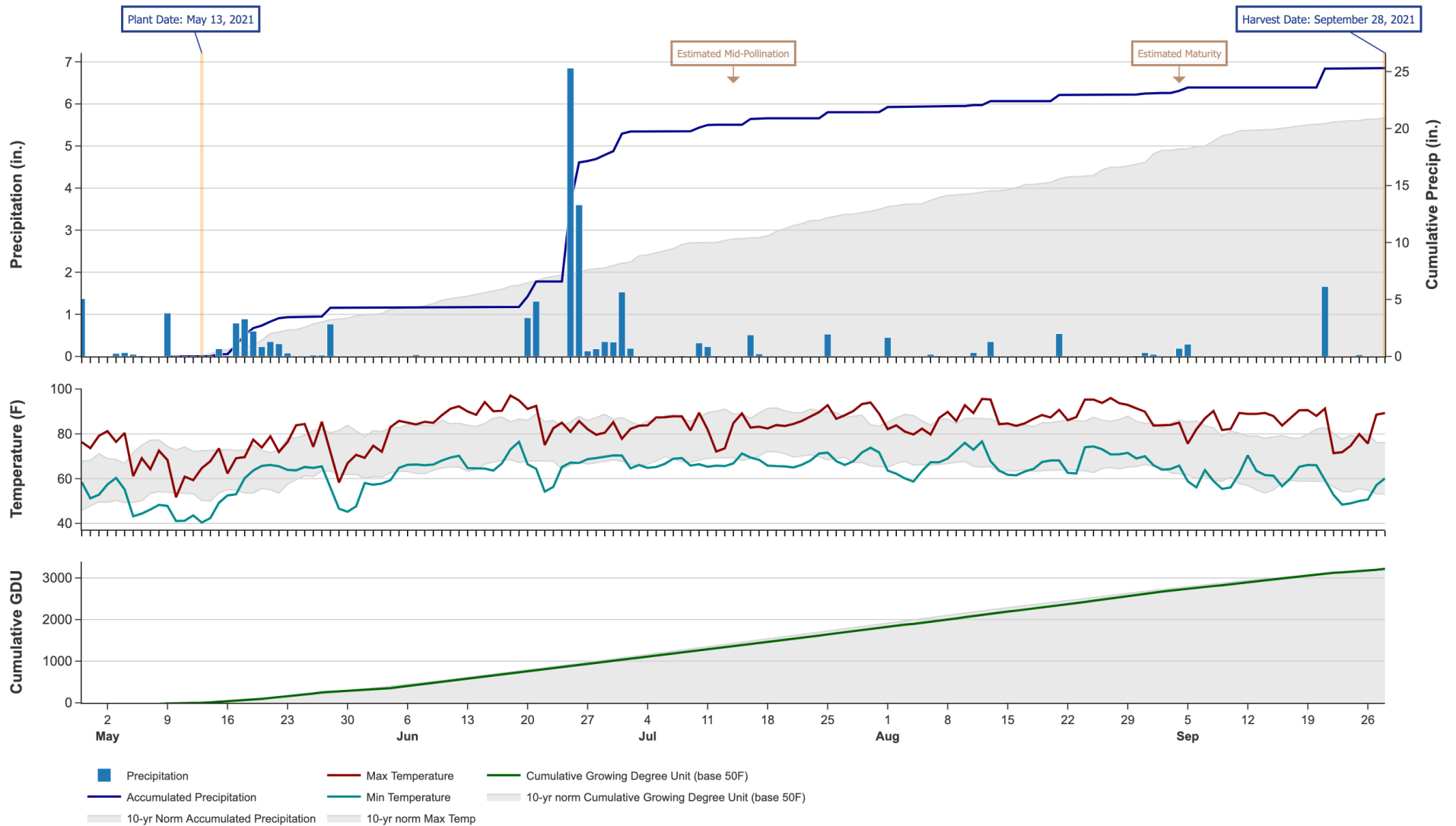
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# 2021 Corn - Missouri Central [ MOCE ]

## Weather Conditions Summary at NEW FRANKLIN, MO

Weather Data Retrieved: 10/08/2021

Monthly Total	Apr*	May	Jun	Jul	Aug	Sep*	Total
Precip (in)   Normal (Diff)	1.4   0.6 (+0.7)	5.6   5.2 (+0.3)	13.8   4.4 (+9.3)	3.4   4.9 (-1.5)	1.6   4.1 (-2.5)	2.2   3.9 (-1.7)	28.0   23.2 (+4.7)
GDU   Normal (Diff)	30   17 (+12)	418   466 (-48)	727   746 (-19)	798   842 (-44)	813   780 (+32)	596   544 (+51)	3382   3397 (-15)



\* 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

<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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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®

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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
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

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