

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

## 2021 Corn Grain Top 30 Harvest Report

Missouri Central [MOCE] SWEET SPRINGS, MO  
Bruce Strobel, Johnson County, MO 64020

<b>Early-Season Test</b>	107 - 112 Day CRM B2021MOCE01a
<b>Top 30 of 36</b>	For Gross Income (Sorted by Yield) Average of (4) Replications
<b>PREV. CROP/HERB:</b>	Soybean / Roundup Powermax, Xtendimax, Select
<b>SOIL DESCRIPTION:</b>	Haig silt loam, moderately drained, non-irrigated
<b>SOIL CONDITION:</b>	No-Till, very high P, very high K, 6.8 pH, 3.7% OM, 16.5 CEC
<b>PEST MANAGEMENT:</b>	Atrazine, Mustang Max, Stalwart 3 W, Autumn Super, Force 6.5g
<b>FERTILITY - Applied N:</b>	205 Spring
<b>Applied N-P-K (units):</b>	205-48-67
<b>SEEDED - RATE - ROW:</b>	Jun 4 30.4 /A 30" spacing
<b>HARVESTED - STAND:</b>	Oct 10 28.9 /A

### TEST COMMENTS:

*This was a ridge-top location in a no-till field. There was quick emergence with plenty of heat and moisture in June. However, mid-July through mid-August brought very little rain – well below 1 in. - with average mid-pollination for this trial being the last few days of July. Within a couple of weeks of harvest, a severe wind event came through this site. Bruce mentioned it tipped over one of his empty gravity wagons and caused substantial damage to his shed; there was some hybrid-specific lodging at harvest. Yet it is a testament to the resiliency of hybrids today – even with the dry pollination period and late-season wind – many hybrids held their own.*

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Augusta	A1259-5222 ↗	5222	109	<b>171.6</b>	17.5	5	29.0	843	2
Pioneer	P1108Q GC ↗	QR	111	<b>170.4</b>	17.1	14	28.8	840	4
Golden Harvest	G10L16-3220A EZR ↗	3220A	110	<b>170.0</b>	16.0	8	29.0	844	1
FS InVision	FS 6107T RIB ↗	TRE	111	<b>169.0</b>	15.5	7	29.0	842	3
Burrus	POWER PLUS 5L44AM ↗	AM	110	168.0	16.5	3	28.5	831	6
Dyna-Gro	D51VC67 ↗	VT2P	110	166.8	15.5	18	29.0	831	7
Lewis	09DD740 ↗	VT2PDG	109	166.7	15.1	25	29.0	833	5
Midland Genetics	381VLGA EZ1 ↗	3220A	108	166.3	16.0	4	29.3	826	8
Midland Genetics	660PR DG RIB ↗	VT2PDG	113	165.2	16.8	3	29.5	816	12
Burrus	POWER PLUS 4C14AM ↗	AM	108	165.0	16.1	1	28.8	819	9
FS InVision	FS 6017V RIB ↗	VT2P	110	164.2	15.8	10	28.8	817	10
Lewis	10DP719 ↗	VT2P	110	164.0	15.4	11	28.8	817	11
NuTech	70A8AM ↗	AM	110	162.8	16.8	3	29.0	804	14
NK Brand	NK1082-3220A EZR ↗	3220A	110	161.9	15.7	3	29.0	806	13
Midland Genetics	582TRE RIB ↗	TRE	111	161.2	16.6	26	29.3	797	17
NuTech	68B3AML ↗	AML	108	161.0	16.0	5	28.8	799	15
NuTech	68A7AM ↗	AM	108	161.0	16.2	3	29.5	798	16
FS InVision	FS 5909D2A EZR ↗	5222A	109	160.4	17.2	3	28.8	790	19
FS InVision	FS 5815V RIB ↗	VT2P	108	159.6	15.8	6	29.3	793	18
Lewis	08DP739 ↗	VT2P	108	158.9	15.8	24	28.8	790	20
NK Brand	NK1188-3120 EZR ↗	3120	111	158.3	16.6	6	29.0	782	22
NuTech	72D4AM ↗	AM	112	157.8	16.0	6	28.8	783	21
Great Heart	HT-7256DGVT2P ↗	VT2PDG	112	156.9	16.4	4	28.0	777	23
NuTech	72B7Q ↗	QR	112	156.2	17.1	3	29.0	770	24
Golden Harvest	G10D21-3330 EZR ↗	3330	110	155.2	16.8	14	29.3	766	25
Pioneer	P0995AM GC ↗	AM	109	153.6	16.2	8	29.5	762	27
Lewis	12DT302 ↗	TRE	112	152.1	15.9	8	28.5	756	28
Midland Genetics	570PR RIB ↗	VT2P	112	151.2	17.1	21	29.3	745	29
Lewis	11DT912 ↗	TRE	111	149.3	16.1	7	29.0	740	30
FS InVision	FS 6106X RIB ↗	STX	111	148.8	15.7	5	29.0	740	31
Pioneer	P1380AM CK	AM	113	154.0	16.2	3	28.5	764	26
				<b>Averages =</b>	<b>158.7</b>	<b>16.2</b>	<b>9</b>	<b>28.9</b>	<b>787</b>
				<b>LSD (0.10) =</b>	10.1	0.5	10		
				<b>LSD (0.25) =</b>	5.3	0.3	5		
				<b>C.V. =</b>	7.0				
				Historic yield: 228.96 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: 10/14/2021

† 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] SWEET SPRINGS, MO

Bruce Strobel, Johnson County, MO 64020

<b>Full-Season Test</b>	113 - 118 Day CRM B2021MOCE01b
<b>Top 30 of 36</b>	For Gross Income (Sorted by Yield) Average of (4) Replications
<b>PREV. CROP/HERB:</b>	Soybean / Roundup Powermax, Xtendimax, Select
<b>SOIL DESCRIPTION:</b>	Haig silt loam, moderately drained, non-irrigated
<b>SOIL CONDITION:</b>	No-Till, very high P, very high K, 6.8 pH, 3.7% OM, 16.5 CEC
<b>PEST MANAGEMENT:</b>	Atrazine, Mustang Max, Stalwart 3 W, Autumn Super, Force 6.5g
<b>FERTILITY - Applied N:</b>	205 Spring
<b>Applied N-P-K (units):</b>	205-48-67
<b>SEEDED - RATE - ROW:</b>	Jun 4 30.4 /A 30" spacing
<b>HARVESTED - STAND:</b>	Oct 10 28.8 /A

### TEST COMMENTS:

*This was a ridge-top location in a no-till field. There was quick emergence with plenty of heat and moisture in June. However, mid-July through mid-August brought very little rain – well below 1 in. - with average mid-pollination for this trial being the last few days of July. Within a couple of weeks of harvest, a severe wind event came through this site. Bruce mentioned it tipped over one of his empty gravity wagons and caused substantial damage to his shed; there was some hybrid-specific lodging at harvest. Yet it is a testament to the resiliency of hybrids today – even with the dry pollination period and late-season wind – many hybrids held their own.*

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Lewis	17DP651 ↗	VT2P	117	<b>181.7</b>	20.3	1	29.3	875	1
Burrus	POWER PLUS 6J92AM ↗	AM	113	<b>170.4</b>	17.3	7	29.3	838	2
NuTech	74B6AM ↗	AM	114	<b>168.5</b>	17.2	2	28.8	829	3
Lewis	16DP850 ↗	VT2P	116	<b>167.5</b>	18.8	2	29.0	815	4
NuTech	77A5AM ↗	AM	117	<b>165.7</b>	18.2	2	29.0	810	5
NuTech	74A9AM ↗	AM	114	<b>164.2</b>	17.0	4	28.5	810	6
AgriGold	A645-16VT2RIB GC ↗	VT2P	115	161.6	18.7	1	28.8	787	8
Dyna-Gro	D55VC80 ↗	VT2P	115	160.1	18.8	5	28.5	779	10
Lewis	13DT272 ↗	TRE	113	160.0	17.0	12	29.0	789	7
FS InVision	FS 6595V RIB ↗	VT2P	115	159.7	18.5	6	28.5	779	11
Midland Genetics	782PR RIB ↗	VT2P	115	159.5	17.3	5	29.0	784	9
Great Heart	HT-7302VT2P ↗	VT2P	113	158.5	18.0	15	28.3	776	12
AgriGold	A647-35-5222 GC ↗	5222	117	156.1	21.9	3	28.8	743	15
Burrus	7K64 DGVT2P ↗	VT2PDG	115	153.0	17.6	5	29.3	751	13
Midland Genetics	621PR RIB ↗	VT2P	114	151.5	18.9	4	28.3	736	19
FS InVision	FS 6306T RIB ↗	TRE	113	151.4	16.5	6	29.3	749	14
NK Brand	NK1661-3120A EZR ↗	3120A	116	150.2	17.6	5	29.0	737	18
FS InVision	FS 6395VDG RIB ↗	VT2PDG	113	149.8	17.0	6	29.0	738	17
FS InVision	FS 6606T RIB ↗	TRE	116	148.9	17.3	16	29.0	733	20
Lewis	15DT512 ↗	TRE	115	148.6	17.4	11	28.8	731	22
NuTech	74F3AM ↗	AM	114	148.6	16.9	12	29.0	733	21
Golden Harvest	G15J91-3220 EZR ↗	3220	115	148.4	18.9	13	29.3	722	26
NK Brand	NK1321-3120 EZR ↗	3120	113	148.2	17.3	5	29.0	729	23
Golden Harvest	G13P84-3120 EZR ↗	3120	113	147.7	18.1	3	29.0	723	25
Golden Harvest	G13D55-3220 EZR ↗	3220	113	147.4	18.2	2	28.5	720	27
Midland Genetics	662TRE RIB ↗	TRE	113	146.6	16.2	5	29.0	727	24
Lewis	15DP899 ↗	VT2P	115	146.3	18.9	3	29.0	711	28
FS InVision	FS 6818V RIB ↗	VT2P	118	145.1	19.1	33	28.8	705	30
Midland Genetics	752TRE RIB ↗	TRE	115	144.0	17.6	3	28.8	707	29
NK Brand	NK1523-3220 EZR ↗	3220	115	142.7	18.2	5	28.3	697	31
Pioneer	P1380AM CK	AM	113	149.9	16.3	4	28.8	742	16
				<b>Averages =</b>	<b>152.4</b>	<b>18.0</b>	<b>7</b>	<b>28.8</b>	<b>746</b>
				LSD (0.10) =	11.2	0.7	8		
				LSD (0.25) =	5.9	0.4	4		
				C.V. =	8.1				
william.schelp@firstseedtests.com, (573) 819-7968				Historic yield: 228.96 bu/a, 3 yr(s)					

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

Report Date: 10/14/2021

† 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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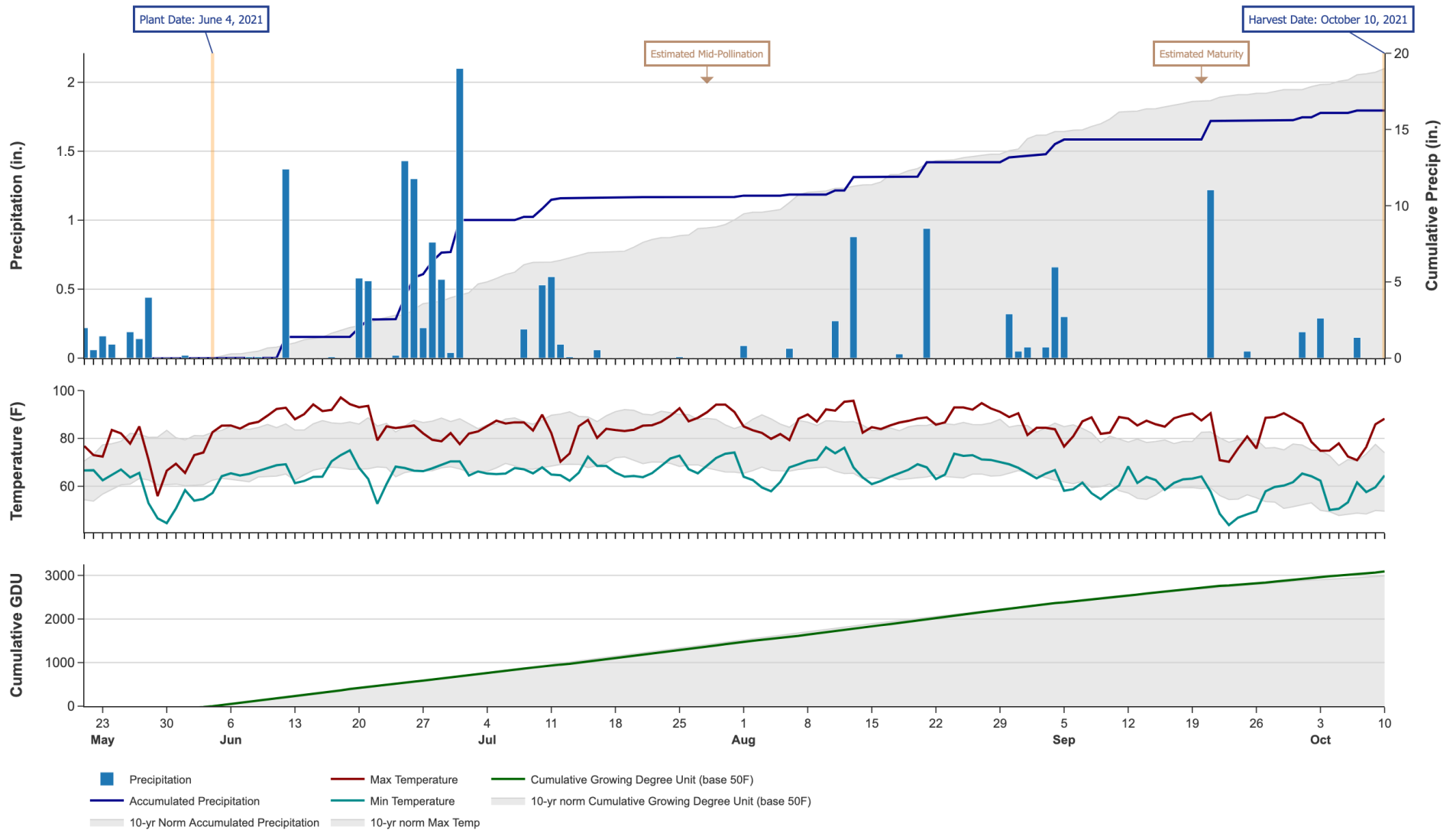
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# 2021 Corn - Missouri Central [ MOCE ]

## Weather Conditions Summary at SWEET SPRINGS, MO

Weather Data Retrieved: 10/14/2021

Monthly Total	May*	Jun	Jul	Aug	Sep	Oct*	Total
Precip (in)   Normal (Diff)	1.3   2.5 (-1.2)	7.0   4.6 (+2.4)	3.6   5.1 (-1.5)	2.6   4.7 (-2.0)	2.4   3.9 (-1.5)	0.6   1.4 (-0.7)	17.6   22.1 (-4.6)
GDU   Normal (Diff)	187   209 (-22)	720   745 (-25)	793   841 (-48)	815   784 (+30)	636   577 (+58)	186   120 (+65)	3337   3279 (+57)



\* 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.