

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

## 2022 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 B2022MOCE03a
<b>Top 30 of 36</b>	For Gross Income (Sorted by Yield) Average of (3) Replications
<b>PREV. CROP/HERB:</b>	Soybeans / Zidua Pro, Roundup, Liberty
<b>SOIL DESCRIPTION:</b>	Lowmo silt loam, well drained, non-irrigated
<b>SOIL CONDITION:</b>	very high P, very high K, 6.3 pH, 4.6% OM, 14.6 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 10 32.4 /A 30" spacing
<b>HARVESTED - STAND:</b>	Oct 1 31.7 /A

### TEST COMMENTS:

Planting went well and was timely. The plots were in good shape heading into summer. June 1 saw 3.3" of rainfall, then droughty conditions settled in. During pollination, the trial was visibly stressed. Despite rainfall below normal for every month of the growing season, some hybrids showed resilience. Due to slight soil differences and low rainfall, plant height was substantially reduced, and yield disparities were present. The results were rejected due to high variance from the drought conditions.

Company/Brand	Product/Brand	Tested 1	HR	Yield Bu/A	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Archer	104498 +	AR	112	204.2	17.0	1	30.0	1482	1
Planor	1107948 GC +	AR	111	201.2	16.5	1	30.0	1472	2
Dynacore	1044988 +	VTGP	110	200.4	17.1	1	31.7	1461	3
Leak	1077912 +	TR	111	200.0	17.0	1	31.0	1470	4
Planor	1107948 GC +	AR	109	201.2	16.5	1	30.0	1455	5
Dynacore	1044988 +	VTGP	112	200.0	17.0	1	31.0	1448	6
Leak	1077912 +	TR	110	200.0	17.0	1	30.0	1448	8
Hyge	1002 VTGP	VTGP	108	199.0	16.5	1	31.0	1407	7
Hyge	1004 VTGP	VTGP	108	198.4	16.5	1	31.0	1479	9
Golden Harvest	10117912 +	AR	110	200.0	17.0	1	31.0	1470	11
Midland Genetics	1079148 +	AR	112	200.0	17.0	1	30.0	1468	12
Planor	1107948 GC +	AR	110	200.0	16.5	1	31.7	1470	13
Leak	1077912 +	TR	111	201.0	16.5	1	30.0	1430	15
Archer	104498 +	AR	110	199.0	16.1	1	30.0	1428	16
Hyge	1001 TR	TR	108	198.2	16.3	1	31.7	1414	18
PG Agriscience	PG 10117912 +	AR	110	198.2	16.2	1	30.0	1408	20
Planor	1107948 GC +	AR	112	197.8	17.1	1	31.0	1400	19
PG Agriscience	PG 10117912 +	AR	110	197.8	17.0	1	31.7	1418	14
Archer	104498 +	AR	110	198.0	16.5	1	30.0	1417	18
Agriculture	AR 10110 +	AR	110	198.0	16.5	1	31.0	1400	21
AR Brand	AR 10110 +	AR	110	198.0	16.7	1	30.0	1398	22
PG Agriscience	PG 10117912 +	VTGP	111	197.7	16.3	1	31.7	1386	23
Midland Genetics	1079148 +	VTGP	110	196.8	20.1	1	31.0	1380	26
Archer	104498 +	AR	108	196.8	16.3	1	30.7	1374	24
Burns	1004 VTGP +	VTGP	111	196.0	16.1	1	30.0	1343	28
Agriculture	AR 10110 +	AR	110	196.0	16.1	1	30.0	1338	25
Leak	1002 TR	VTGP	108	197.2	17.1	1	31.7	1347	27
Golden Harvest	10117912 +	AR	110	196.0	17.1	1	31.7	1332	29
Midland Genetics	1079148 +	VT	108	194.0	16.3	1	30.0	1320	30
PG Agriscience	PG 10117912 +	VTGP	108	194.0	17.7	1	30.0	1316	31

William Schelp

William Schelp

william.schelp@firstseedtests.com, (573) 819-7968

Averages = 197.3 17.3 1 31.7 1418

LSD (0.10) = ns 1.1 ns

LSD (0.25) = ns 0.6 ns

C.V. = 10.1

Historic yield: 196.33 bu/a, 4 yr(s)

**Yield & Income Factors:** Base Moisture = 15.0% Shrink = 1.3 Drying = \$0.035 Prices: GMO = \$7.25

† 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](http://www.firstseedtests.com)

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Report Date: 10/03/2022

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## 2022 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 - 117 Day CRM B2022MOCE03b
<b>Top 30 of 36</b>	For Gross Income (Sorted by Yield) Average of (3) Replications
<b>PREV. CROP/HERB:</b>	Soybeans / Zidua Pro, Roundup, Liberty
<b>SOIL DESCRIPTION:</b>	Lowmo silt loam, well drained, non-irrigated
<b>SOIL CONDITION:</b>	very high P, very high K, 6.3 pH, 4.6% OM, 14.6 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 10 32.4 /A 30" spacing
<b>HARVESTED - STAND:</b>	Oct 1 31.5 /A

### TEST COMMENTS:

Planting went well and was timely. The plots were in good shape heading into summer. June 1 saw 3.3" of rainfall, then droughty conditions settled in. During pollination, the trial was visibly stressed. Despite rainfall below normal for every month of the growing season, some hybrids showed resilience. Due to slight soil differences and low rainfall, plant height was substantially reduced, and yield disparities were present. The results were rejected due to high variance from the drought conditions.

Company/Brand	Product/Brand	Tested †	RR	Yield Bu/A †	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Dynacore	DS4VC498B +	VTGP	114	218.8	18.3	1	31.8	1488	1
FS Invision	FS 6000V RB +	VTGP	115	218.8	21.8	1	30.3	1488	2
Levitt	VTGP001 +	VTGP	117	208.2	21.8	1	32.3	1488	3
FS Invision	FS 6000T RB +	TRE	113	203.2	18.8	1	30.3	1445	4
Integra	6000 VTGP +	VTGP	114	200.7	20.8	1	31.7	1417	5
Golden Harvest	GT1000-44 +	AA	118	191.1	18.1	1	30.7	1387	6
Midland Genetics	6027RE RB +	TRE	112	191.2	18.3	1	31.7	1388	8
Integra	6042 TRERB +	TRE	113	191.2	18.3	1	31.7	1388	9
FS Invision	FS 6010V RB +	VTGP	115	188.8	20.8	1	31.7	1388	12
Dynacore	DS4VC498B-DC +	VTGP	115	188.7	21.8	1	31.7	1384	16
NoTech	T48000 +	AA	114	187.1	20.1	1	31.7	1382	17
FS Invision	FS 6027T RB +	VTGP	116	187.1	20.1	1	32.3	1384	18
FS Invision	FS 6020V RB +	VTGP	115	186.1	20.8	1	32.3	1376	19
Phonix	PH1000-DC +	AA	115	185.1	20.8	1	30.7	1373	14
NoTech	T4C400 +	AA	115	178.3	18.4	1	30.7	1371	15
Integra	6011 VTGP RB +	VTGP	115	178.8	20.8	1	32.7	1326	21
Midland Genetics	1400 VE +	VTGP	114	177.8	23.1	1	32.3	1327	17
Levitt	VTGP000 +	VTGP	118	178.8	22.8	1	31.3	1338	20
Dynacore	DS4VC498B-DC +	VTGP	115	175.8	21.8	1	32.3	1294	19
Levitt	VTGP000	VTGP	116	174.1	21.4	1	32.3	1223	22
Burns	PC1000-498B +	AA	113	173.4	18.4	1	31.7	1237	18
Golden Harvest	GT1400 +	V	117	173.8	20.8	1	32.3	1218	23
Burns	6161 VTGP +	VTGP000	113	167.8	20.7	1	31.3	1181	24
Agribiome	AG17000 +	AA	113	166.7	18.7	1	31.3	1173	25
Levitt	VTGP112 +	TRE	118	163.7	20.3	1	32.3	1157	26
Agribiome	AG101000 +	AA	113	162.8	18.8	1	31.3	1154	27
Midland Genetics	6010R RB +	VTGP	117	160.7	22.1	1	32.3	1125	28
NoTech	T3400 +	Q8	113	167.3	18.8	1	31.3	1121	26
Integra	6010 VTGP RB +	VTGP	114	167.7	22.8	1	30.3	1102	31
Midland Genetics	6020R-DC RB +	VTGP000	113	167.3	20.8	1	32.7	1040	30

William Schelp

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william.schelp@firstseedtests.com, (573) 819-7968

Averages = 172.6 20.7 1 31.5 1217

LSD (0.10) = 33.9 1.4 ns

LSD (0.25) = 17.7 0.7 ns

C.V. = 18.6

Historic yield: 196.33 bu/a, 4 yr(s)

**Yield & Income Factors:** Base Moisture = 15.0% Shrink = 1.3 Drying = \$0.035 Prices: GMO = \$7.25

† 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](http://www.firstseedtests.com)

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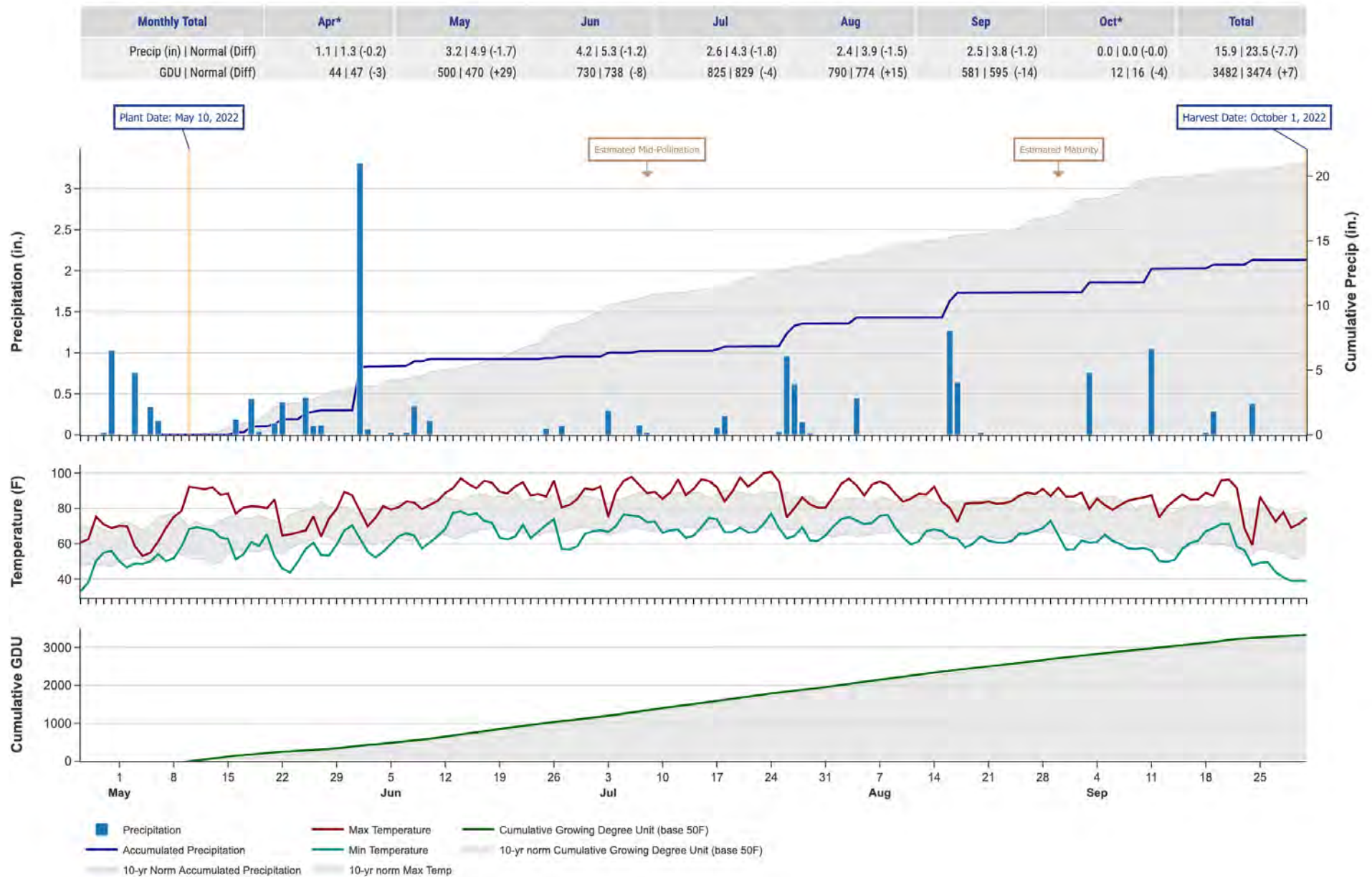
Report Date: 10/03/2022

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## 2022 Corn - Missouri Central [ MOCE ]

### Weather Conditions Summary at NEW FRANKLIN, MO



\* 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.

## 2022 Corn - Missouri Central [ MOCE ]

### Early-Season Test Products (36 Total)

Company/Brand	Product/Brand	Technology	RIB	RM	Seed Treat.
AgVenture	AV6010AM	AM	Y	110	Treated
AgVenture	AV9610	AM	Y	110	Lum, L1
Burrus	5A84 VT2P	VT2P	Y	111	AC,P5V
Burrus	POWER PLUS 5L44AM	AM	Y	110	BPS
DeKalb	DKC62-53RIB GC	VT2P	Y	112	Treated
DeKalb	DKC62-70RIB CK	VT2P	Y	112	Treated
Dyna-Gro	D50VC09RIB	VT2P	N	110	AC,P5V
Dyna-Gro	D52DC82RIB	VT2PDG	N	112	AC,P5V
FS InVision	FS 5829V RIB	VT2P	Y	108	AC,P5V,Va
FS InVision	FS 6017V RIB	VT2P	Y	110	AC,P5V
FS InVision	FS 6025X RIB	STX	Y	110	AC,P5V,EDC-EL
FS InVision	FS 6194V RIB	VT2P	Y	111	AC,P5V
FS InVision	FS 6217T RIB	TRE	Y	112	AC,P5V
Golden Harvest	G10L16-DV	DV	Y	110	AVC,C2,CM,C5,Vi,Va
Golden Harvest	G11V76-D	D	Y	111	AVC,C2,CM,C5,Vi,Va
Integra	5802 VT2PRIB	VT2P	Y	108	AC,P5V,SU+Zn
Integra	6061 TRERIB	TRE	Y	110	AC,P5V,SU+Zn
Integra	6284 VT2PRIB	VT2P	Y	112	AC,P5V,SU+Zn
Lewis	09DD740	VT2PDG	Y	109	AC,P5V,EDC-B
Lewis	11DT912	TRE	Y	111	AC,P5V,EDC-B
Lewis	12DT302	TRE	Y	112	AC,P5V,EDC-B
Lewis	12DT371	TRE	Y	112	AC,P5V,EDC-B
Midland Genetics	381VLGA EZ1	V	Y	108	Edge-CST
Midland Genetics	429PR RIB	VT2P	Y	110	Edge-CST
Midland Genetics	570PR RIB	VT2P	Y	112	Edge-CST
NK Brand	NK1082-DV	DV	Y	110	AVC,C2,CM,C5,Vi,Va
NK Brand	NK1188-AA	AA	Y	111	AVC,C2,CM,C5,Vi,Va
NuTech	68A9AM	AM	Y	108	Lum, L1
NuTech	70A8AM	AM	Y	110	Lum, L1
NuTech	70B4AM	AM	Y	110	Lum, L1
NuTech	72A8AM	AM	Y	112	Lum, L1
NuTech	72D4AM	AM	Y	112	Lum, L1
Pioneer	P0995AM GC	AM	N*	109	Lum, L1
Pioneer	P1077AM GC	AM	Y	110	Lum
Pioneer	P1197AM GC	AM	Y	111	NA
Pioneer	P1222AM GC	AM	Y	112	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.

## 2022 Corn - Missouri Central [ MOCE ]

### Full-Season Test Products (36 Total)

Company/Brand	Product/Brand	Technology	RIB	RM	Seed Treat.
AgVenture	AV4313AM	AM	Y	113	Treated
AgVenture	AV7913AM	AM	Y	113	Treated
Burrus	6Y61 DGV2P	VT2PDG	Y	113	BPS
Burrus	POWER PLUS 6W81AM	AM	Y	113	Lum, L1
DeKalb	DKC62-70RIB CK	VT2P	Y	112	Treated
DeKalb	DKC65-95RIB GC	VT2P	Y	115	Treated
DeKalb	DKC67-94RIB GC	TRE	Y	117	AC,P5
Dyna-Gro	D54VC34RIB	VT2P	N	114	AC,P5V
FS InVision	FS 6306T RIB	TRE	Y	113	AC,P5V
FS InVision	FS 6595V RIB	VT2P	Y	115	AC,P5V
FS InVision	FS 6625V RIB	VT2P	Y	116	AC,P5V,EDC-EL
FS InVision	FS 6627T RIB	TRE	Y	116	AC,P5V,EDC-EL
FS InVision	FS 6818V RIB	VT2P	Y	118	PV
Golden Harvest	G16Q82-AA	AA	Y	116	AVC,C2,CM,C5,Vi,Va
Golden Harvest	G17A81-V	V	Y	117	AVC,C2,CM,C5,Vi,Va
Integra	6342 TRERIB	TRE	Y	113	AC,P5V,SU+Zn
Integra	6410 VT2PRIB	VT2P	Y	114	AC,P5V,SU+Zn
Integra	6493 VT2P	VT2P	N	114	AC,P5V
Integra	6811 VT2PRIB	VT2P	Y	118	AC,P5V,SU+Zn
Lewis	15DP899	VT2P	Y	115	AC,P2,B360
Lewis	15DT512	TRE	Y	115	AC,P5V,EDC-B
Lewis	16DP850	VT2P	Y	116	AC,P5V,EDC-B
Lewis	17DP651	VT2P	Y	117	AC,P5V,EDC-B
Midland Genetics	1433 V2	VT2P	Y	114	Edge-CST
Midland Genetics	660PR DG RIB	VT2PDG	Y	113	Edge-CST
Midland Genetics	662TRE RIB	TRE	Y	113	Edge-CST
Midland Genetics	801PR RIB	VT2P	Y	117	Edge-CST
NK Brand	NK1523-V	V	Y	115	AVC,C2,CM,C5,Vi,Va
NK Brand	NK1661-AA	AA	Y	116	AVC,C2,CM,C5,Vi,Va
NuTech	73A6Q	QR	Y	113	Lum, L1
NuTech	74A9AM	AM	Y	114	Lum, L1
NuTech	74B6AM	AM	Y	114	Lum, L1
NuTech	74C4AM	AM	Y	114	Lum, L1
NuTech	77A5AM	AM	Y	117	Lum, L1
Pioneer	P1359AM GC	None	N*	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

AA	Agrisure® Above (CB,HX,LL,GT), formerly Agrisure® 3120
AM	Optimum® AcreMax®
D	Duracade™ (CB,HX,RW,RW2,LL,GT), formerly Agrisure Duracade® 5122
DV	DuracadeViptera™ (Vip,CB,HX,RW,RW2,LL,GT), formerly Agrisure Duracade® 5222
QR	Qrome™
STX	SmartStax®
TRE	Trecepta®
V	Viptera™ (Vip,CB,HX,LL,GT), formerly Agrisure Viptera® 3220
VT2P	VT Double PRO®
VT2PDG	VT Double PRO® DroughtGard®

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

### Corn Seed Treatments\*

NA	Not Available
AC,P2,B360	Acceleron® 250 with BioRise™ B-360 ST
AC,P5	Acceleron® 500
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,P5V,SU+Zn	Acceleron® Poncho 500/Votivo, StepUp SP, StepUp Zn
AC,P5V,Va	Acceleron® Poncho 500/Votivo, Vayantis®
AVC,C2,CM,C5,Vi,Va	Avicta® Complete 250, CruiserMaxx 500, Vibrance®, Vayantis®
BPS	Burrus PowerShield
Edge-CST	Vibrance® Cinco + Cruiser® (Midland Genetics)
Lum	LumiGEN™ (Corteva Agriscience)
Lum, L1	(2022) LumiGEN, Lumisure 1250
PV	Poncho, Votivo
Treated	Treated seed, unspecified

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