

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

2022 Corn Grain Top 30 Harvest Report

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

Early-Season Test	107 - 112 Day CRM B2022MOCE01a
Top 30 of 36	For Gross Income (Sorted by Yield) Average of (4) Replications
PREV. CROP/HERB:	Soybeans / Anthem Maxx, Liberty
SOIL DESCRIPTION:	Haig silt loam, moderately drained, irrigated
SOIL CONDITION:	Minimum W/O Fall Till, very high P, very high K, 6.1 pH, 4.1% OM, 14.8 CEC
PEST MANAGEMENT:	Atrazine, Mustang Max, Stalwart 3w, Autumn Super, Force 6.5g
FERTILITY - Applied N:	205 Spring
Applied N-P-K (units):	205-48-67
SEEDED - RATE - ROW:	Apr 26 32.4 /A 30" spacing
HARVESTED - STAND:	Oct 2 31.6 /A

TEST COMMENTS:

This location was planted in April and good stands followed. It caught a good rain on June 1st. Irrigation kept the crop going strong as rainfall was sparse this year. Irrigation at about 8" over the course of the season. A great trial took shape even through the heat. The plants stood very well at harvest with excellent stalk strength. Very good – high yielding irrigated trial.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Lewis	12DT371 ↗	TRE	112	291.3	15.2	1	32.0	2110	1
NuTech	72D4AM ↗	AM	112	282.7	14.9	1	32.3	2050	2
Dyna-Gro	D52DC82RIB ↗	VT2PDG	112	282.5	14.5	1	32.0	2048	3
NuTech	70B4AM ↗	AM	110	282.0	14.4	1	32.5	2044	4
Pioneer	P1197AM GC ↗	AM	111	275.4	14.2	1	31.8	1997	5
Dyna-Gro	D50VC09RIB ↗	VT2P	110	275.0	14.3	1	31.3	1993	6
Midland Genetics	429PR RIB ↗	VT2P	110	273.7	15.0	1	32.0	1984	8
Integra	5802 VT2PRIB ↗	VT2P	108	272.2	14.3	1	32.0	1973	9
Burrus	5A84 VT2P ↗	VT2P	111	271.4	15.5	1	32.3	1963	10
Integra	6284 VT2PRIB ↗	VT2P	112	270.3	15.5	1	31.3	1954	11
FS InVision	FS 6017V RIB ↗	VT2P	110	269.5	14.4	1	31.3	1953	12
AgVenture	AV6010AM ↗	AM	110	268.8	14.4	1	31.3	1949	13
FS InVision	FS 6217T RIB ↗	TRE	112	267.8	15.5	1	31.3	1937	14
NuTech	68A9AM ↗	AM	108	265.8	14.2	1	30.5	1927	15
Lewis	09DD740 ↗	VT2PDG	109	264.7	14.0	1	31.5	1919	16
Lewis	12DT302 ↗	TRE	112	264.6	15.0	1	31.3	1918	17
Golden Harvest	G10L16-DV ↗	DV	110	264.0	14.0	1	31.3	1914	18
NK Brand	NK1188-AA ↗	AA	111	261.3	14.9	1	31.0	1894	19
Burrus	POWER PLUS 5L44AM ↗	AM	110	261.1	14.2	1	31.5	1893	20
AgVenture	AV9610 ↗	AM	110	261.1	14.3	1	31.5	1893	21
FS InVision	FS 6025X RIB ↗	STX	110	260.8	14.1	1	31.8	1891	22
NK Brand	NK1082-DV ↗	DV	110	260.1	13.9	1	31.5	1886	23
Integra	6061 TRERIB ↗	TRE	110	260.0	15.5	1	32.3	1880	24
Lewis	11DT912 ↗	TRE	111	259.1	14.4	1	31.5	1878	25
Pioneer	P0995AM GC ↗	AM	109	258.5	14.4	1	32.5	1874	26
NuTech	70A8AM ↗	AM	110	256.9	14.3	1	32.3	1863	27
Pioneer	P1077AM GC ↗	AM	110	256.7	14.5	1	30.3	1861	28
NuTech	72A8AM ↗	AM	112	254.4	15.6	1	31.3	1838	29
FS InVision	FS 6194V RIB ↗	VT2P	111	252.6	14.2	1	31.0	1831	30
Midland Genetics	570PR RIB ↗	VT2P	112	251.2	14.4	1	30.5	1821	31
DEKALB	DKC62-70RIB CK	VT2P	112	274.8	15.0	1	32.0	1992	7
				Averages =	263.3	14.6	1	31.6	1911
				LSD (0.10) =	9.8	0.4	ns		
				LSD (0.25) =	5.1	0.2	ns		
				C.V. =	4.1				
 William Schelp william.schelp@firstseedtests.com, (573) 819-7968				<div style="border: 1px solid black; padding: 2px;">Historic yield: 203.46 bu/a, 4 yr(s)</div>					

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

Report Date: 10/03/2022

† 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. ↗ Links to full product yield results at www.firstseedtests.com

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2022 Corn Grain Top 30 Harvest Report

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

Full-Season Test	113 - 117 Day CRM B2022MOCE01b
Top 30 of 36	For Gross Income (Sorted by Yield) Average of (4) Replications
PREV. CROP/HERB:	Soybeans / Anthem Maxx, Liberty
SOIL DESCRIPTION:	Haig silt loam, moderately drained, irrigated
SOIL CONDITION:	Minimum W/O Fall Till, very high P, very high K, 6.1 pH, 4.1% OM, 14.8 CEC
PEST MANAGEMENT:	Atrazine, Mustang Max, Stalwart 3w, Autumn Super, Force 6.5g
FERTILITY - Applied N:	205 Spring
Applied N-P-K (units):	205-48-67
SEEDED - RATE - ROW:	Apr 26 32.4 /A 30" spacing
HARVESTED - STAND:	Oct 2 31.4 /A

TEST COMMENTS:

This location was planted in April and good stands followed. It caught a good rain on June 1st. Irrigation kept the crop going strong as rainfall was sparse this year. Irrigation at about 8" over the course of the season. A great trial took shape even through the heat. The plants stood very well at harvest with excellent stalk strength. Very good – high yielding irrigated trial.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Dyna-Gro	D54VC34RIB ↗	VT2P	114	272.7	14.7	1	30.8	1976	1
Midland Genetics	1433 V2 ↗	VT2P	114	266.1	15.7	1	30.8	1923	2
DeKalb	DKC65-95RIB GC ↗	VT2P	115	260.9	15.3	1	31.8	1889	3
FS InVision	FS 6627T RIB ↗	TRE	116	259.9	15.1	1	31.0	1883	4
FS InVision	FS 6595V RIB ↗	VT2P	115	259.9	15.3	1	31.3	1881	5
Lewis	15DT512 ↗	TRE	115	256.1	15.1	1	32.0	1856	6
FS InVision	FS 6306T RIB ↗	TRE	113	254.0	14.1	1	31.3	1842	7
Lewis	16DP850 ↗	VT2P	116	253.2	15.2	1	31.5	1834	8
NuTech	74B6AM ↗	AM	114	253.0	14.9	1	30.8	1834	9
DeKalb	DKC67-94RIB GC ↗	TRE	117	250.2	15.9	1	31.5	1806	10
NuTech	74A9AM ↗	AM	114	248.7	14.8	1	32.3	1803	11
Midland Genetics	660PR DG RIB ↗	VT2PDG	113	246.6	15.1	1	30.5	1787	12
Lewis	15DP899 ↗	VT2P	115	245.7	15.4	1	31.8	1778	13
Midland Genetics	662TRE RIB ↗	TRE	113	244.8	14.2	1	31.8	1775	14
FS InVision	FS 6818V RIB ↗	VT2P	118	244.4	15.3	1	31.8	1768	15
Pioneer	P1359AM GC ↗	None	113	242.3	14.0	1	29.8	1757	17
NuTech	74C4AM ↗	AM	114	240.9	14.7	1	31.5	1747	18
Burrus	6Y61 DGVT2P ↗	VT2PDG	113	240.5	15.3	1	31.0	1741	19
AgVenture	AV7913AM ↗	AM	113	239.0	14.8	1	31.0	1733	20
Integra	6493 VT2P ↗	VT2P	114	238.0	14.5	1	32.3	1726	21
NuTech	73A6Q ↗	QR	113	238.0	14.7	1	31.0	1726	22
Burrus	POWER PLUS 6W81AM ↗	AM	113	236.9	14.8	1	31.5	1718	23
FS InVision	FS 6625V RIB ↗	VT2P	116	233.5	15.0	1	31.5	1692	24
Integra	6342 TRERIB ↗	TRE	113	232.3	14.2	1	31.3	1684	25
NuTech	77A5AM ↗	AM	117	229.2	14.5	1	31.5	1662	26
Pioneer	P1870AM GC ↗	AM	118	227.7	14.8	1	31.3	1651	27
Midland Genetics	801PR RIB ↗	VT2P	117	224.7	15.4	1	30.5	1626	29
AgVenture	AV4313AM ↗	AM	113	224.5	14.9	1	32.0	1627	28
Golden Harvest	G17A81-V ↗	V	117	221.7	14.8	1	31.8	1607	30
Golden Harvest	G16Q82-AA ↗	AA	116	217.8	14.6	1	31.0	1579	31
DEKALB	DKC62-70RIB CK	VT2P	112	242.7	15.0	1	32.5	1760	16
				Averages =	238.4	15.0	1	31.4	1725
				LSD (0.10) =	16.5	0.4	ns		
				LSD (0.25) =	8.6	0.2	ns		
				C.V. =	7.6				
				Historic yield: 203.46 bu/a, 4 yr(s)					

William Schelp

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

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

Report Date: 10/03/2022

† 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. ↗ Links to full product yield results at www.firstseedtests.com

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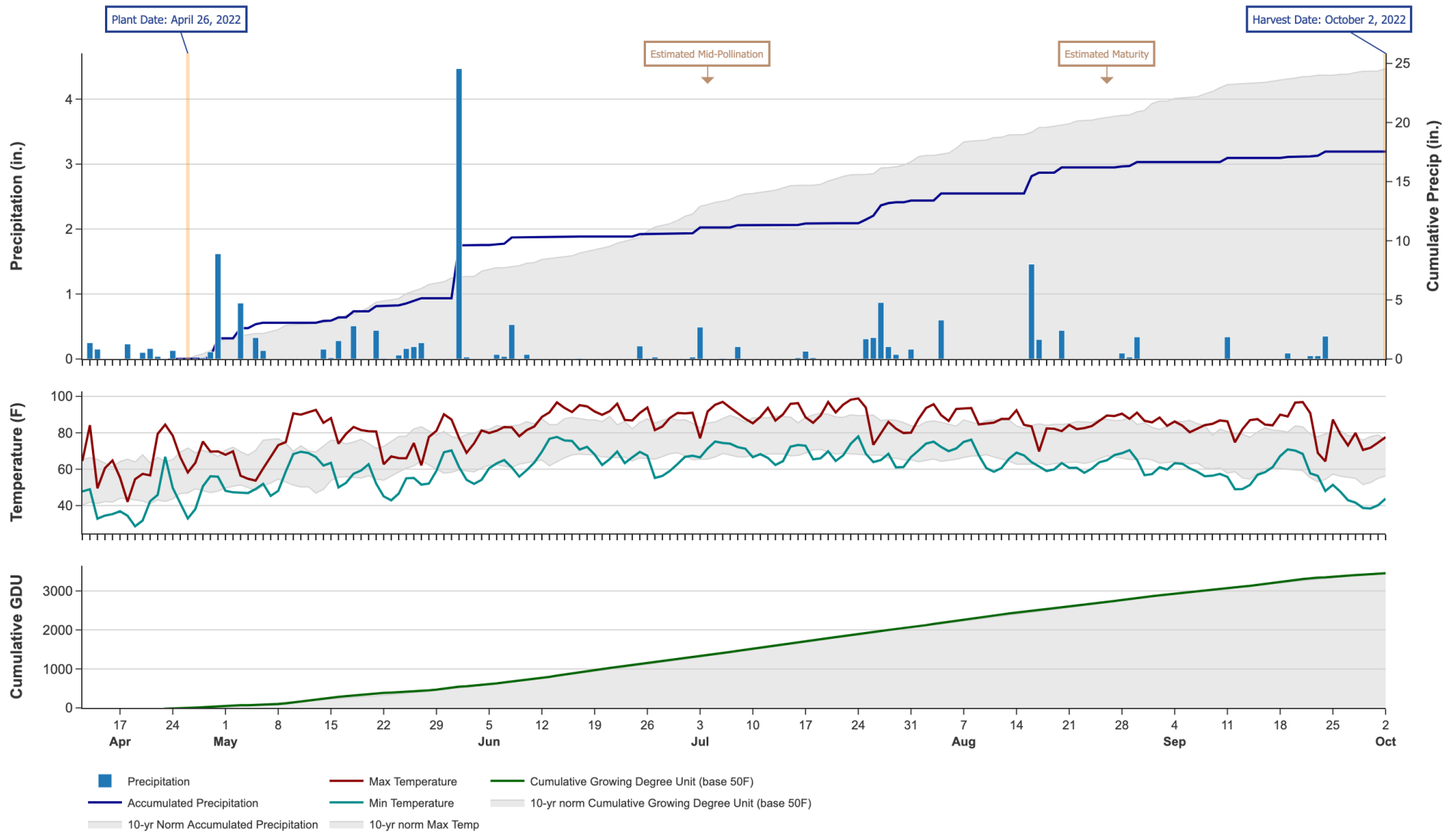
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2022 Corn - Missouri Central [MOCE]

Weather Conditions Summary at SWEET SPRINGS, MO

Weather Data Retrieved: 10/03/2022

Monthly Total	Apr*	May	Jun	Jul	Aug	Sep	Oct*	Total
Precip (in) Normal (Diff)	2.8 3.0 (-0.2)	3.4 5.5 (-2.1)	5.5 4.9 (+0.6)	2.8 5.0 (-2.2)	3.3 4.3 (-1.1)	0.9 3.3 (-2.4)	0.0 0.2 (-0.2)	18.6 26.2 (-7.6)
GDU Normal (Diff)	140 154 (-14)	479 456 (+22)	717 733 (-16)	823 826 (-3)	779 777 (+1)	585 598 (-13)	26 33 (-7)	3549 3580 (-31)



* 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 DGVT2P	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.