

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

2022 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 B2022MOCE05a
Top 30 of 36	For Gross Income (Sorted by Yield) Average of (4) Replications
PREV. CROP/HERB:	Soybeans / Zidua Pro, Liberty
SOIL DESCRIPTION:	Sioux loam, well drained, non-irrigated
SOIL CONDITION:	Conventional W/ Fall Till, very high P, very high K, 6.5 pH, 6.2% OM, 14.5 CEC
PEST MANAGEMENT:	Anthem Maxx, Cavallo
FERTILITY - Applied N:	18 Fall, 200 Sidedress, 35# sulfur
Applied N-P-K (units):	218-46-60
SEDED - RATE - ROW:	May 2 32.4 /A 30" spacing
HARVESTED - STAND:	Sep 25 27.3 /A

TEST COMMENTS:

Great seedbed at planting. However, May 2nd proved to be a difficult timeframe to plant and expect perfect emergence this year. July was dry with 3" below normal rainfall for the month. August made up the difference by receiving 3" above normal rainfall. This site hit the season rainfall average by the end of the growing season -- one of the few FIRST trials in Missouri -- allowing the trial to finish strong.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
NuTech	72D4AM ↗	AM	112	269.1	18.9	1	28.0	1915	1
NK Brand	NK1188-AA ↗	AA	111	254.9	19.6	1	28.6	1807	2
Golden Harvest	G11V76-D ↗	D	111	251.1	18.1	1	27.6	1793	4
Pioneer	P1197AM GC ↗	AM	111	250.9	17.1	1	28.3	1801	3
FS InVision	FS 6017V RIB ↗	VT2P	110	250.2	19.4	1	28.3	1776	5
Integra	6061 TRERIB ↗	TRE	110	248.8	21.1	3	27.5	1751	9
Integra	5802 VT2PRIB ↗	VT2P	108	248.4	18.6	1	28.6	1770	6
Lewis	09DD740 ↗	VT2PDG	109	247.1	18.9	1	28.5	1758	7
NuTech	68A9AM ↗	AM	108	244.7	17.1	1	27.6	1756	8
Pioneer	P1077AM GC ↗	AM	110	244.3	19.1	1	28.2	1736	13
Pioneer	P1222AM GC ↗	AM	112	244.1	19.4	1	26.6	1732	15
Burrus	POWER PLUS 5L44AM ↗	AM	110	243.6	18.0	1	28.4	1740	11
NuTech	70B4AM ↗	AM	110	243.4	18.5	1	27.9	1735	14
NK Brand	NK1082-DV ↗	DV	110	243.3	19.3	1	28.7	1727	17
Golden Harvest	G10L16-DV ↗	DV	110	242.6	18.7	1	26.4	1728	16
Dyna-Gro	D50VC09RIB ↗	VT2P	110	242.3	18.7	1	26.3	1725	18
FS InVision	FS 5829V RIB ↗	VT2P	108	241.9	16.6	1	28.2	1740	12
Burrus	5A84 VT2P ↗	VT2P	111	241.5	20.0	13	28.3	1709	19
NuTech	70A8AM ↗	AM	110	238.6	17.9	1	26.5	1706	20
NuTech	72A8AM ↗	AM	112	238.1	18.7	1	28.8	1696	21
AgVenture	AV6010AM ↗	AM	110	234.8	18.6	1	27.8	1673	22
Midland Genetics	381VLGA EZ1 ↗	V	108	233.6	18.8	1	27.1	1663	24
Midland Genetics	570PR RIB ↗	VT2P	112	233.4	18.5	1	28.9	1663	25
AgVenture	AV9610 ↗	AM	110	232.5	17.7	1	25.1	1664	23
FS InVision	FS 6025X RIB ↗	STX	110	232.3	18.1	1	26.2	1659	26
Lewis	11DT912 ↗	TRE	111	232.1	19.6	1	27.0	1645	27
Dyna-Gro	D52DC82RIB ↗	VT2PDG	112	231.2	20.7	1	27.3	1630	28
Lewis	12DT371 ↗	TRE	112	228.3	19.8	1	25.6	1617	29
Lewis	12DT302 ↗	TRE	112	227.2	19.0	1	27.0	1616	30
Pioneer	P0995AM GC ↗	AM	109	223.6	18.4	1	27.7	1594	31
DEKALB	DKC62-70RIB CK	VT2P	112	246.1	19.2	1	28.8	1748	10
				Averages =	237.1	18.9	2	27.3	1688
				LSD (0.10) =	9.8	1.4	ns		
				LSD (0.25) =	5.2	0.7	ns		
				C.V. =	4.5				
william.schelp@firstseedtests.com, (573) 819-7968				Historic yield: 241.88 bu/a, 3 yr(s)					

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

Report Date: 09/29/2022

† 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] PORTAGE DES SIOUX, MO
Matt Neustadt, St. Charles County, MO

Full-Season Test	113 - 117 Day CRM B2022MOCE05b
Top 30 of 36	For Gross Income (Sorted by Yield) Average of (4) Replications
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SOIL CONDITION:	Conventional W/ Fall Till, very high P, very high K, 6.5 pH, 6.2% OM, 14.5 CEC
PEST MANAGEMENT:	Anthem Maxx, Cavallo
FERTILITY - Applied N:	18 Fall, 200 Sidedress, 35# sulfur
Applied N-P-K (units):	218-46-60
SEDED - RATE - ROW:	May 2 32.4 /A 30" spacing
HARVESTED - STAND:	Sep 25 26.4 /A

TEST COMMENTS:

Great seedbed at planting. However, May 2nd proved to be a difficult timeframe to plant and expect perfect emergence this year. July was dry with 3" below normal rainfall for the month. August made up the difference by receiving 3" above normal rainfall. This site hit the season rainfall average by the end of the growing season -- one of the few FIRST trials in Missouri -- allowing the trial to finish strong.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
NuTech	77A5AM ↗	AM	117	278.4	19.0	1	27.2	1979	1
Lewis	17DP651 ↗	VT2P	117	273.1	21.3	1	27.1	1920	2
Dyna-Gro	D54VC34RIB ↗	VT2P	114	268.0	19.6	1	27.4	1900	3
FS InVision	FS 6627T RIB ↗	TRE	116	265.7	19.3	1	27.4	1886	4
NuTech	73A6Q ↗	QR	113	260.2	17.4	1	28.7	1865	5
NuTech	74B6AM ↗	AM	114	255.4	17.4	1	26.3	1830	6
NK Brand	NK1523-V ↗	V	115	255.1	19.8	1	27.1	1807	8
Burrus	POWER PLUS 6W81AM ↗	AM	113	254.7	18.0	1	28.5	1820	7
NuTech	74C4AM ↗	AM	114	252.7	18.0	1	27.1	1806	9
AgVenture	AV7913AM ↗	AM	113	251.6	18.0	1	28.6	1798	10
Pioneer	P1870AM GC ↗	AM	118	244.1	22.4	1	24.6	1707	15
NK Brand	NK1661-AA ↗	AA	116	244.0	19.1	1	27.5	1733	12
Lewis	15DT512 ↗	TRE	115	243.6	20.3	1	27.3	1721	14
Midland Genetics	1433 V2 ↗	VT2P	114	241.2	21.1	1	24.3	1697	17
Lewis	15DP899 ↗	VT2P	115	240.2	19.5	1	26.4	1704	16
FS InVision	FS 6306T RIB ↗	TRE	113	240.2	17.3	1	27.7	1722	13
DeKalb	DKC65-95RIB GC ↗	VT2P	115	238.5	19.0	1	26.0	1695	19
AgVenture	AV4313AM ↗	AM	113	237.9	18.3	5	26.7	1697	18
Integra	6493 VT2P ↗	VT2P	114	236.8	19.4	1	25.7	1680	20
NuTech	74A9AM ↗	AM	114	236.3	22.1	1	24.9	1654	23
FS InVision	FS 6625V RIB ↗	VT2P	116	234.9	19.3	1	27.1	1668	22
Golden Harvest	G16Q82-AA ↗	AA	116	234.9	19.1	1	26.8	1670	21
FS InVision	FS 6818V RIB ↗	VT2P	118	233.9	20.6	1	28.5	1650	25
Lewis	16DP850 ↗	VT2P	116	232.7	19.6	1	27.0	1650	26
Pioneer	P1359AM GC ↗	None	113	232.0	19.1	1	26.0	1649	27
Burrus	6Y61 DGVT2P ↗	VT2PDG	113	231.4	17.9	1	27.8	1654	24
FS InVision	FS 6595V RIB ↗	VT2P	115	227.1	19.6	1	25.0	1610	29
DeKalb	DKC67-94RIB GC ↗	TRE	117	226.9	20.7	1	26.7	1600	30
Midland Genetics	662TRE RIB ↗	TRE	113	226.0	17.6	1	25.9	1618	28
Golden Harvest	G17A81-V ↗	V	117	225.8	20.2	1	27.7	1596	31
DEKALB	DKC62-70RIB CK	VT2P	112	252.3	20.2	1	25.8	1784	11

William Schelp

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Averages = **239.5** **19.3** **1** **26.4** **1700**

LSD (0.10) = 12.0 1.1 ns

LSD (0.25) = 6.3 0.6 ns

C.V. = 5.5 Historic yield: 241.88 bu/a, 3 yr(s)

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

Report Date: 09/29/2022

† 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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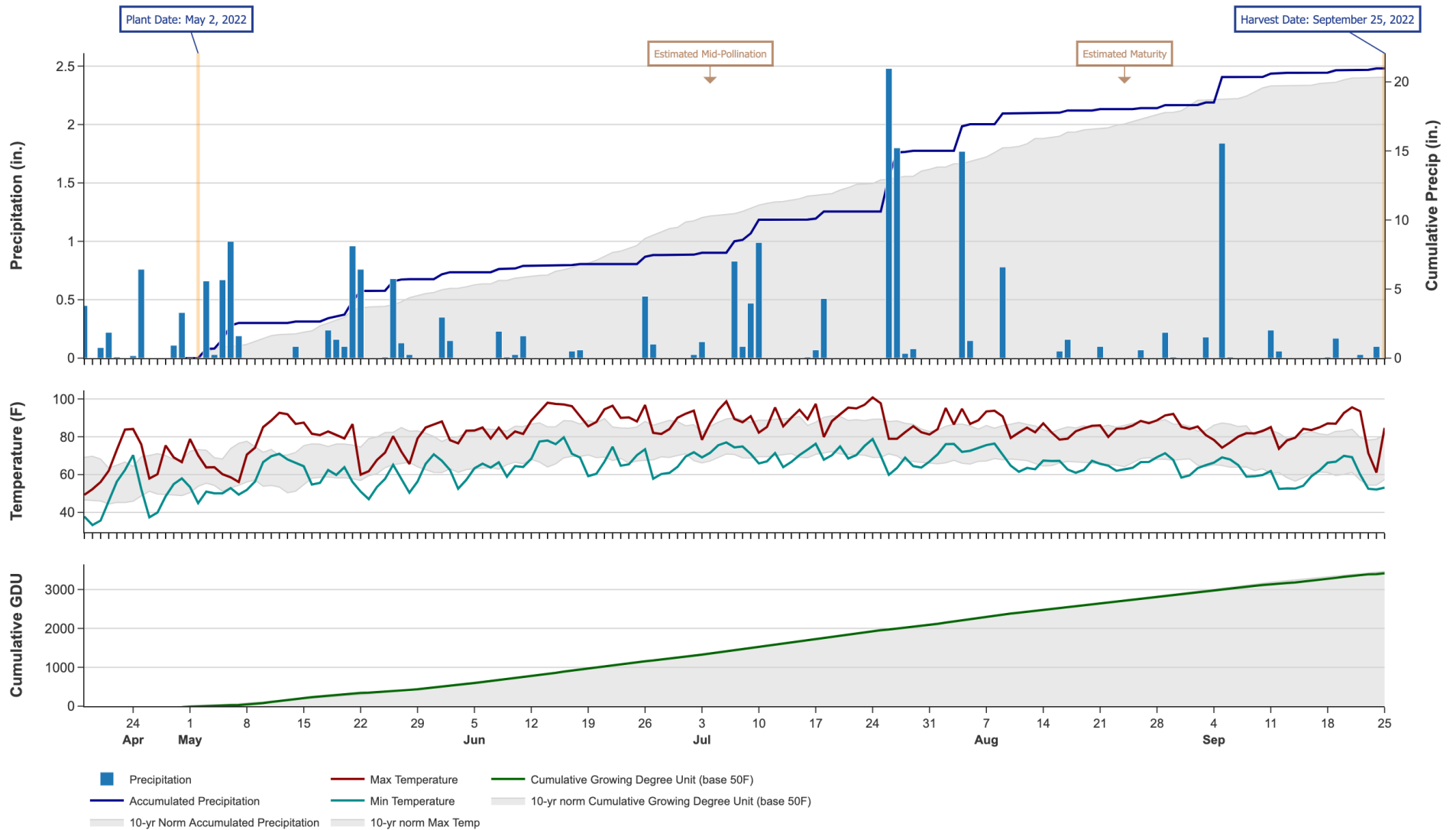
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2022 Corn - Missouri Central [MOCE]

Weather Conditions Summary at PORTAGE DES SIOUX, MO

Weather Data Retrieved: 09/29/2022

Monthly Total	Apr*	May	Jun	Jul	Aug	Sep*	Total
Precip (in) Normal (Diff)	2.0 2.6 (-0.6)	5.7 5.2 (+0.5)	1.7 4.7 (-3.0)	7.5 4.2 (+3.3)	3.3 4.2 (-0.9)	2.6 2.4 (+0.2)	23.0 23.4 (-0.4)
GDU Normal (Diff)	127 116 (+10)	517 517 (0)	753 764 (-11)	847 853 (-6)	803 807 (-4)	521 545 (-24)	3568 3604 (-36)



* 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.