

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

2023 Corn Grain Top 30 Harvest Report

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

Early-Season Test	107 - 112 Day CRM B2023MOCE03a
Top 30 of 32	For Gross Income (Sorted by Yield) Average of (4) Replications
PREV. CROP/HERB:	Soybeans / Zidua Pro, Roundup, Liberty
SOIL DESCRIPTION:	Lomo silt loam, well drained, non-irrigated
SOIL CONDITION:	Minimum W/ Fall Till, very high P, very high K, 6.0 pH, 1.3% OM, 11.2 CEC
PEST MANAGEMENT:	Degree Xtra, Atrazine, Glyphosate, Force 6.5g
FERTILITY - Applied N:	200 Spring
Applied N-P-K (units):	200-70-50
SEEDED - RATE - ROW:	Apr 11 32.4 /A 30" spacing
HARVESTED - STAND:	Sep 21 31.9 /A

TEST COMMENTS:

This site was the first FIRST trial planted this year. A couple 0.4 inch rains several days after planting encouraged a very uniform stand with good emergence. April to June rainfall was less than half of normal. Very limited precipitation up front was followed by abundant rainfall at the tail end of season. There was great standability at harvest with no lodging. Very deep kernels were noted.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
FS InVision	FS 6137PC ↗	PCE	111	261.5	15.5	1	32.5	1199	1
Lewis	11DT912 TRE ↗	TRE	111	259.2	15.0	1	32.0	1192	2
FS InVision	FS 6133VDG RIB ↗	VT2PDG	111	256.7	16.5	1	31.3	1167	4
NuTech	70B4AM ↗	AM	110	255.8	15.4	1	30.8	1174	3
FS InVision	FS 5835V RIB ↗	VT2P	108	254.0	15.3	1	32.3	1166	5
AgVenture	AV6010AM ↗	AM	110	254.0	15.3	1	32.3	1166	6
NuTech	72D4AM ↗	AM	112	252.5	15.5	1	31.8	1158	8
Burrus	POWER PLUS 5J21AM ↗	AM	110	252.4	14.8	1	32.0	1161	7
Mustang	570PR RIB ↗	VT2P	112	252.3	16.0	1	32.0	1152	10
Channel	211-11VT2PRIB GC ↗	VT2P	111	249.9	16.0	1	32.3	1141	12
AgVenture	AV9412AM ↗	AM	112	249.8	15.8	1	31.5	1142	11
AgriGold	A642-05VT2RIB GC ↗	VT2P	112	245.3	15.6	1	32.0	1123	13
Mustang	429PR RIB ↗	VT2P	110	244.0	17.1	1	32.5	1105	15
Pioneer	P1077AM GC ↗	AM	110	241.9	15.3	1	31.7	1110	14
Lewis	12DT302 ↗	TRE	112	241.3	15.9	1	31.5	1103	16
NuTech	72A8AM ↗	AM	112	240.7	15.7	1	32.3	1101	17
ProHarvest	81P92 TRERIB ↗	TRE	111	235.9	15.4	1	31.7	1082	18
Golden Harvest	G11V76-AA ↗	AA	111	235.8	16.1	1	32.3	1075	21
FS InVision	FS 6017V RIB ↗	VT2P	110	235.4	15.5	1	31.8	1079	19
AgVenture	AV2411AM ↗	AM	111	235.3	15.4	1	32.0	1079	20
NK Brand	NK1082-DV ↗	DV	110	234.0	15.1	1	31.5	1075	22
NuTech	71A2AM ↗	AM	111	232.5	15.5	1	30.8	1065	23
Burrus	5A84 VT2P ↗	VT2P	111	228.0	15.8	1	31.3	1043	24
NK Brand	NK1188-AA ↗	AA	111	226.0	15.7	1	33.0	1034	25
NuTech	68A7AM ↗	AM	108	224.6	15.1	1	31.8	1032	26
NK Brand	NK1040-AA ↗	AA	110	223.4	15.2	1	32.3	1026	27
Golden Harvest	G10B61-AA ↗	AA	110	222.2	15.6	1	32.5	1017	29
DeKalb	DKC59-82RIB GC ↗	VT2P	109	221.6	14.8	1	32.0	1019	28
FS InVision	FS 6025X RIB ↗	STX	110	218.3	15.6	1	31.5	999	30
Channel	212-52SSPRIB GC ↗	STX	112	217.3	16.0	1	32.0	992	31
PIONEER	P1222AM CK	AM	112	251.6	15.4	1	32.3	1154	9
				Averages =	239.4	15.6	1	31.9	1097
				LSD (0.10) =	15.3	0.5	ns		
				LSD (0.25) =	8.0	0.3	ns		
				C.V. =	7.0				
				Historic yield: 196.33 bu/a, 5 yr(s)					

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Yield & Income Factors:

Base Moisture = 15.0%

Shrink = 1.3

Drying = \$0.035

Prices: GMO = \$4.60

Report Date: 09/22/2023

† 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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Full-Season Test	113 - 118 Day CRM B2023MOCE03b
Top 30 of 32	For Gross Income (Sorted by Yield) Average of (4) Replications
PREV. CROP/HERB:	Soybeans / Zidua Pro, Roundup, Liberty
SOIL DESCRIPTION:	Lomo silt loam, well drained, non-irrigated
SOIL CONDITION:	Minimum W/ Fall Till, very high P, very high K, 6.0 pH, 1.3% OM, 11.2 CEC
PEST MANAGEMENT:	Degree Xtra, Atrazine, Glyphosate, Force 6.5g
FERTILITY - Applied N:	200 Spring
Applied N-P-K (units):	200-70-50
SEEDED - RATE - ROW:	Apr 11 32.4 /A 30" spacing
HARVESTED - STAND:	Sep 21 31.8 /A

TEST COMMENTS:

This site was the first FIRST trial planted this year. A couple 0.4 inch rains several days after planting encouraged a very uniform stand with good emergence. April to June rainfall was less than half of normal. Very limited precipitation up front was followed by abundant rainfall at the tail end of season. There was great standability at harvest with no lodging. Very deep kernels were noted.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Mustang	83A15 ↗	TRE	115	250.0	15.9	1	32.0	1142	1
AgVenture	AV3213AM ↗	AM	113	238.3	15.8	1	31.8	1089	2
Channel	214-78DGV2PRIB GC ↗	VT2PDG	114	235.9	16.2	1	31.5	1075	4
Lewis	14DT603 ↗	TRE	114	235.4	15.8	1	32.0	1077	3
NuTech	73A4AM ↗	AM	113	233.3	15.3	1	31.5	1071	5
ProHarvest	84P78 TRERIB ↗	TRE	114	233.1	15.8	1	31.3	1066	6
Lewis	15DT512 ↗	TRE	115	231.6	16.5	1	30.8	1054	7
NK Brand	NK1523-V ↗	V	115	230.8	16.6	1	32.0	1049	9
Lewis	17DP651 ↗	VT2P	117	230.3	17.0	1	32.0	1043	10
Mustang	82R14 ↗	VT2P	114	228.6	15.0	1	31.8	1052	8
NuTech	75C1AM ↗	AM	115	227.5	16.3	1	32.3	1037	12
NuTech	74C4AM ↗	AM	114	227.3	15.4	1	32.0	1042	11
FS InVision	FS 6595V RIB ↗	VT2P	115	226.3	15.6	1	31.8	1036	13
Mustang	93R18 ↗	TRE	118	226.1	16.5	1	32.0	1028	19
Dyna-Gro	D56TC44RIB ↗	TRE	116	226.0	15.5	1	31.8	1036	14
NuTech	77A5AM ↗	AM	117	225.8	15.5	1	32.8	1035	15
FS InVision	FS 6395VDG RIB ↗	VT2PDG	113	224.7	15.3	1	31.5	1031	16
FS InVision	FS 6432P RIB ↗	STXP	114	223.7	15.0	1	32.0	1029	17
ProHarvest	8360 VT2PRIB ↗	VT2P	113	220.7	15.9	1	32.5	1008	20
FS InVision	FS 6627T RIB ↗	TRE	116	219.8	15.7	1	31.5	1006	21
AgVenture	AV2816AM ↗	AM	116	214.3	16.2	1	31.0	977	24
Mustang	662TRE RIB ↗	TRE	113	213.5	14.8	1	32.3	982	22
Mustang	97113 ↗	VT2PDG	113	213.0	15.1	1	31.7	979	23
AgVenture	AV3514AML ↗	AML	114	212.6	15.6	1	32.0	973	26
Golden Harvest	G14B32-DV ↗	DV	114	212.4	15.0	1	31.8	977	25
AgVenture	AV3715AM ↗	AM	115	212.4	15.5	1	31.8	973	27
FS InVision	FS 6625V RIB ↗	VT2P	116	209.0	15.5	1	31.3	958	28
Golden Harvest	G17B31-V ↗	V	117	207.6	15.9	1	32.5	949	29
Burrus	7F33 VT2P ↗	VT2P	114	207.4	16.0	1	31.0	947	30
NuTech	74A9AM ↗	AM	114	201.4	15.4	1	31.5	924	31
PIONEER	P1222AM CK	AM	112	223.7	15.0	1	31.8	1029	18
				Averages =	222.7	15.7	1	31.8	1019
				LSD (0.10) =	14.0	0.5	ns		
				LSD (0.25) =	7.3	0.2	ns		
				C.V. =	6.9				
				Historic yield: 196.33 bu/a, 5 yr(s)					

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Yield & Income Factors: Base Moisture = 15.0% Shrink = 1.3 Drying = \$0.035 Prices: GMO = \$4.60

Report Date: 09/22/2023

† 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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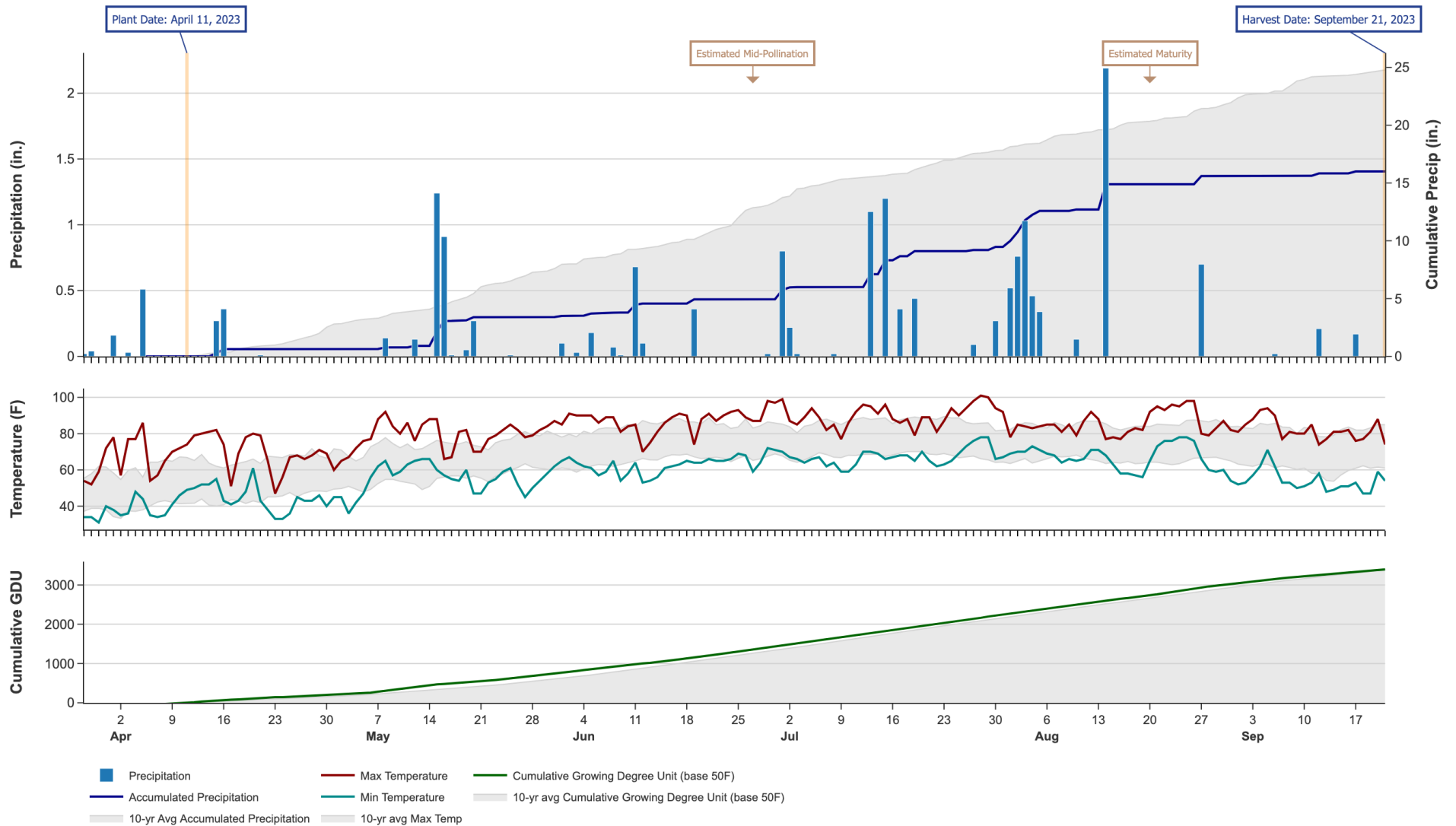
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2023 Corn - Missouri Central [MOCE]

Weather Conditions Summary at NEW FRANKLIN, MO

Weather Data Retrieved: 09/22/2023

Monthly Total	Mar*	Apr	May	Jun	Jul	Aug	Sep*	Total
Precip (in) (Diff)	0.1 0.7 (-0.6)	1.3 4.2 (-2.9)	2.8 5.1 (-2.3)	1.6 5.8 (-4.2)	4.5 4.5 (0.0)	6.1 4.1 (+2.0)	0.4 3.0 (-2.6)	16.8 27.3 (-10.5)
GDU Avg (Diff)	11 5 (+5)	298 197 (+100)	536 458 (+77)	705 735 (-30)	810 819 (-9)	776 774 (+1)	386 475 (-89)	3522 3467 (+54)



* 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.

2023 Corn - Missouri Central [MOCE]

Early-Season Test Products (32 Total)

Company/Brand	Product/Brand	Technology	RIB	RM	Seed Treat.
AgriGold	A642-05VT2RIB	VT2P	Y	112	AC,P5V
AgVenture	AV2411AM	AM	Y	111	Lum, L1
AgVenture	AV6010AM	AM	Y	110	Lum, L1
AgVenture	AV9412AM	AM	Y	112	Lum, L1
Burrus	5A84 VT2P	VT2P	Y	111	Lum, L1-2023
Burrus	POWER PLUS 5J21AM	AM	Y	110	Lum, L1
Channel	211-11VT2PRIB	VT2P	Y*	111	AC,P5V
Channel	212-52SSPRIB	STX	Y	112	AC,P5V,EDC-B
DeKalb	DKC59-82RIB	VT2P	Y	109	Treated
FS InVision	FS 5835V RIB	VT2P	Y	108	AC,P5V,EDC-EL
FS InVision	FS 6017V RIB	VT2P	Y	110	AC,P5V,EDC-EL
FS InVision	FS 6025X RIB	STX	Y	110	AC,P5V,EDC-EL
FS InVision	FS 6133VDG RIB	VT2PDG	Y	111	AC,P5V,EDC-EL
FS InVision	FS 6137PC	PCE	N	111	CM,C2,Vi,Va
Golden Harvest	G10B61-AA	AA	Y	110	CM,C5,Va
Golden Harvest	G11V76-AA	AA	Y	111	CM,C5,Va
Lewis	11DT912 TRE	TRE	Y	111	AC,P5,B360
Lewis	12DT302	TRE	Y	112	AC,P5,B360
Mustang	429PR RIB	VT2P	Y	110	Edge 500
Mustang	570PR RIB	VT2P	Y	112	Edge 500
NK Brand	NK1040-AA	AA	Y	110	CM,C5,Va
NK Brand	NK1082-DV	DV	Y	110	AVC,C1,Va
NK Brand	NK1188-AA	AA	Y	111	CM,C5,Va
NuTech	68A7AM	AM	Y	108	Lum, L1
NuTech	70B4AM	AM	Y	110	Lum, L1
NuTech	71A2AM	AM	Y	111	Lum, L1
NuTech	72A8AM	AM	Y	112	Lum, L1
NuTech	72D4AM	AM	Y	112	Lum, L1
Pioneer	P1077AM	AM	Y	110	Treated
Pioneer	P1222AM	AM	Y	112	Treated
ProHarvest	81P65 D	D	Y	111	AC,P2
ProHarvest	81P92 TRERIB	TRE	Y	111	AC,P5V,Va

* 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.

2023 Corn - Missouri Central [MOCE]

Full-Season Test Products (32 Total)

Company/Brand	Product/Brand	Technology	RIB	RM	Seed Treat.
AgVenture	AV2816AM	AM	Y	116	Lum, L1
AgVenture	AV3213AM	AM	Y	113	Lum, L1
AgVenture	AV3514AML	AML	Y	114	Lum, L1
AgVenture	AV3715AM	AM	Y	115	Lum, L1
Burrus	7F33 VT2P	VT2P	Y	114	Lum, L1-2023
Burrus	7P71 VT2P	VT2P	Y	115	AC,P5V,EDC-B
Channel	214-78DGV2PRIB	VT2PDG	Y	114	AC,P5V
Dyna-Gro	D56TC44RIB	TRE	Y	116	AC,P5V
FS InVision	FS 6395VDG RIB	VT2PDG	Y	113	AC,P5V,EDC-EL
FS InVision	FS 6432P RIB	STXP	Y	114	AC,P5V,EDC-EL
FS InVision	FS 6595V RIB	VT2P	Y	115	AC,P5V,EDC-EL
FS InVision	FS 6625V RIB	VT2P	Y	116	AC,P5V,EDC-EL
FS InVision	FS 6627T RIB	TRE	Y	116	AC,P5V,EDC-EL
Golden Harvest	G14B32-DV	DV	Y	114	AVC,C1,Va
Golden Harvest	G17B31-V	V	Y	117	CM,C5,Va
Lewis	14DT603	TRE	Y	114	AC,P5,B360
Lewis	15DT512	TRE	Y	115	AC,P5,B360
Lewis	17DP651	VT2P	Y	117	AC,P5,B360
Mustang	662TRE RIB	TRE	Y	113	Edge 500
Mustang	82R14	VT2P	Y	114	Edge 500
Mustang	83A15	TRE	Y	115	Edge 500
Mustang	93R18	TRE	Y	118	Edge 500
Mustang	97113	VT2PDG	Y	113	Edge 500
NK Brand	NK1523-V	V	Y	115	CM,C5,Va
NuTech	73A4AM	AM	Y	113	Lum, L1
NuTech	74A9AM	AM	Y	114	Lum, L1
NuTech	74C4AM	AM	Y	114	Lum, L1
NuTech	75C1AM	AM	Y	115	Lum, L1
NuTech	77A5AM	AM	Y	117	Lum, L1
Pioneer	P1222AM	AM	Y	112	Treated
ProHarvest	8360 VT2PRIB	VT2P	Y*	113	AC,P5V,Va
ProHarvest	84P78 TRERIB	TRE	Y	114	AC,P5V,Va

* 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

CK	Identifies a check product included in early- and full-season tests.
GC	Grower Comparison product included by FIRST when space permits.
^	Innotech™ brand seed is distributed by Rob-See-Co, LLC. Innotech™ is a trademark of Syngenta. Power Plus® brand seed is distributed by Burrus. Power Plus® is a registered trademark of Corteva Agriscience.

Corn Technologies

AA	Agrisure® Above (CB,HX,LL,GT), formerly Agrisure® 3120
AM	Optimum® AcreMax®
AML	Optimum® AcreMax® Leptra® (Vip,YGCB,HX,LL,RR2)
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
PCE	PowerCore® Enlist®
STX	SmartStax®
STXP	SmartStax® Pro with RNAi Technology
TRE	Trecepta®
V	Viptera™ (Vip,CB,HX,LL,GT), formerly Agrisure Viptera® 3220
VT2P	VT Double PRO®
VT2PDG	DroughtGard® with VT Double PRO®

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

Corn Seed Treatments*

NA	Not Available
AC,P2	Acceleron® 250
AC,P5,B360	Acceleron® 500 with BioRise™ B-360 ST
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,Va	Acceleron® Poncho 500/Votivo, Vayantis®
AVC,C1,Va	Avicta® Complete 1250 with Vayantis®
CM,C2,Vi,Va	CruiserMaxx® 250 with Vibrance, Vayantis®
CM,C5,Va	CruiserMaxx® 500 with Vayantis®
Edge 500	Midland genetics
Lum, L1	LumiGEN, Lumisure 1250
Lum, L1-2023	LumiGEN 1250, Zeltera, Lumivia, Lumialza, Serifel®, Lumiflex, 2023
Treated	Treated seed, unspecified

* Seed treatments may include unspecified plant health promoting components.