

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

2023 Corn Grain Top 30 Harvest Report

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

Early-Season Test	107 - 112 Day CRM B2023MOCE01a
Top 30 of 32	For Gross Income (Sorted by Yield) Average of (4) Replications
PREV. CROP/HERB:	Soybeans / Anthem Maxx, Liberty
SOIL DESCRIPTION:	Minden silt loam, moderately drained, non-irrigated
SOIL CONDITION:	Minimum W/O Fall Till, very high P, very high K, 6.2 pH, 3.3% OM, 16.0 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 12 32.4 /A 30" spacing
HARVESTED - STAND:	Sep 15 32.0 /A

TEST COMMENTS:

We had a quick start to planting trials in the front half of April. An early spring warm-up allowed for good and even emergence. Rainfall was below average every month, apart from August. The growing season total ended at 15" of precipitation, which was 10" below normal. No disease was observed. Stalks stood well at harvest with no lodging noted. It was a good test for a dryland, hill ground location.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Channel	211-11VT2PRIB GC ↗	VT2P	111	236.2	16.2	1	31.5	1077	1
AgriGold	A642-05VT2RIB GC ↗	VT2P	112	232.4	16.9	1	33.0	1054	2
FS InVision	FS 5835V RIB ↗	VT2P	108	226.6	16.2	1	31.3	1033	3
Channel	212-52SSPRIB GC ↗	STX	112	225.8	15.9	1	32.0	1031	5
Mustang	429PR RIB ↗	VT2P	110	225.5	16.5	1	32.3	1025	6
NuTech	70B4AM ↗	AM	110	224.8	15.3	1	31.8	1032	4
DeKalb	DKC59-82RIB GC ↗	VT2P	109	223.7	16.2	1	32.3	1020	8
FS InVision	FS 6133VDG RIB ↗	VT2PDG	111	223.1	17.5	1	32.5	1007	12
FS InVision	FS 6017V RIB ↗	VT2P	110	222.3	16.0	1	31.8	1015	9
NuTech	68A7AM ↗	AM	108	222.1	15.0	1	31.5	1021	7
Mustang	570PR RIB ↗	VT2P	112	221.8	16.5	1	31.5	1008	11
Golden Harvest	G11V76-AA ↗	AA	111	221.2	16.8	1	32.5	1004	13
NK Brand	NK1082-DV ↗	DV	110	221.0	15.3	1	32.3	1014	10
ProHarvest	81P65 D ↗	D	111	220.2	16.3	1	32.5	1003	14
AgVenture	AV6010AM ↗	AM	110	218.1	15.7	1	32.0	998	15
NuTech	72D4AM ↗	AM	112	216.7	15.7	1	32.0	991	16
ProHarvest	81P92 TRERIB ↗	TRE	111	214.9	15.4	1	31.3	986	17
Lewis	12DT302 ↗	TRE	112	213.5	16.7	1	31.3	969	19
Golden Harvest	G10B61-AA ↗	AA	110	213.5	15.3	1	32.0	980	18
NK Brand	NK1188-AA ↗	AA	111	213.4	16.8	1	32.3	968	20
FS InVision	FS 6137PC ↗	PCE	111	211.3	15.8	1	32.0	966	21
Lewis	11DT912 TRE ↗	TRE	111	211.0	15.6	1	32.3	966	22
Burrus	POWER PLUS 5J21AM ↗	AM	110	210.6	15.4	1	31.5	966	23
AgVenture	AV2411AM ↗	AM	111	208.3	15.4	1	32.3	955	24
NuTech	72A8AM ↗	AM	112	208.1	16.0	1	32.3	950	25
NuTech	71A2AM ↗	AM	111	206.9	15.4	1	32.0	949	26
FS InVision	FS 6025X RIB ↗	STX	110	206.4	15.7	1	32.0	944	27
Burrus	5A84 VT2P ↗	VT2P	111	206.1	16.9	1	32.3	934	30
NK Brand	NK1040-AA ↗	AA	110	205.4	15.2	1	32.5	943	28
Pioneer	P1077AM GC ↗	AM	110	205.4	15.9	1	32.3	938	29
PIONEER	P1222AM CK	AM	112	203.3	15.1	1	31.8	934	31
				Averages =	215.8	15.9	1	32.0	986
				LSD (0.10) =	10.5	0.4	ns		
				LSD (0.25) =	5.5	0.2	ns		
				C.V. =	5.3				
				Historic yield: 215.66 bu/a, 5 yr(s)					

William Schelp

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

Report Date: 09/18/2023

† 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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2023 Corn Grain Top 30 Harvest Report

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

Full-Season Test	113 - 118 Day CRM B2023MOCE01b
Top 30 of 32	For Gross Income (Sorted by Yield) Average of (4) Replications
PREV. CROP/HERB:	Soybeans / Anthem Maxx, Liberty
SOIL DESCRIPTION:	Minden silt loam, moderately drained, non-irrigated
SOIL CONDITION:	Minimum W/O Fall Till, very high P, very high K, 6.2 pH, 3.3% OM, 16.0 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 12 32.4 /A 30" spacing
HARVESTED - STAND:	Sep 15 32.0 /A

TEST COMMENTS:

We had a quick start to planting trials in the front half of April. An early spring warm-up allowed for good and even emergence. Rainfall was below average every month, apart from August. The growing season total ended at 15" of precipitation, which was 10" below normal. No disease was observed. Stalks stood well at harvest with no lodging noted. It was a good test for a dryland, hill ground location.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Mustang	93R18 ↗	TRE	118	228.6	20.6	1	31.5	1007	4
Mustang	83A15 ↗	TRE	115	227.3	18.1	1	32.3	1021	2
FS InVision	FS 6395VDG RIB ↗	VT2PDG	113	225.7	17.5	1	31.3	1019	3
Mustang	662TRE RIB ↗	TRE	113	225.3	16.3	1	31.8	1026	1
Channel	214-78DGV2PRIB GC ↗	VT2PDG	114	224.3	19.1	1	32.8	1000	5
Lewis	14DT603 ↗	TRE	114	220.5	18.2	1	31.5	990	6
NuTech	73A4AM ↗	AM	113	218.5	16.9	1	32.3	990	7
AgVenture	AV3213AM ↗	AM	113	217.1	16.5	1	32.0	987	8
AgVenture	AV2816AM ↗	AM	116	214.7	17.4	1	31.3	970	9
Lewis	15DT512 ↗	TRE	115	214.5	19.5	1	32.5	953	10
Mustang	97113 ↗	VT2PDG	113	206.6	17.8	1	31.8	930	11
Burrus	7F33 VT2P ↗	VT2P	114	205.4	18.8	1	31.8	917	13
ProHarvest	84P78 TRERIB ↗	TRE	114	204.3	18.3	1	32.3	916	14
FS InVision	FS 6595V RIB ↗	VT2P	115	203.4	18.9	1	32.5	908	17
FS InVision	FS 6625V RIB ↗	VT2P	116	202.8	16.5	1	32.3	922	12
Burrus	7P71 VT2P ↗	VT2P	115	201.0	17.0	1	32.3	911	15
NuTech	74C4AM ↗	AM	114	200.2	16.7	1	31.5	909	16
NuTech	75C1AM ↗	AM	115	200.1	17.7	1	31.5	902	19
Mustang	82R14 ↗	VT2P	114	197.4	20.5	1	32.3	870	20
Lewis	17DP651 ↗	VT2P	117	195.1	20.1	1	32.0	863	23
ProHarvest	8360 VT2PRIB ↗	VT2P	113	193.9	18.3	1	32.5	869	21
Dyna-Gro	D56TC44RIB ↗	TRE	116	193.0	18.3	1	32.0	866	22
NuTech	74A9AM ↗	AM	114	190.8	18.8	1	32.0	852	24
Golden Harvest	G17B31-V ↗	V	117	186.2	18.9	1	32.3	831	25
FS InVision	FS 6627T RIB ↗	TRE	116	184.6	19.0	1	32.3	823	26
AgVenture	AV3715AM ↗	AM	115	181.6	19.0	1	32.3	810	28
Golden Harvest	G14B32-DV ↗	DV	114	179.4	17.0	1	31.8	813	27
AgVenture	AV3514AML ↗	AML	114	175.6	17.9	1	32.0	790	29
NK Brand	NK1523-V ↗	V	115	166.0	20.7	1	32.3	731	31
NuTech	77A5AM ↗	AM	117	163.8	18.0	1	31.3	736	30
PIONEER	P1222AM CK	AM	112	198.4	15.9	1	31.8	906	18
				Averages =	200.2	18.1	1	32.0	899
				LSD (0.10) =	14.0	0.9	ns		
				LSD (0.25) =	7.3	0.5	ns		
				C.V. =	7.6				
				Historic yield: 215.66 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: 09/18/2023

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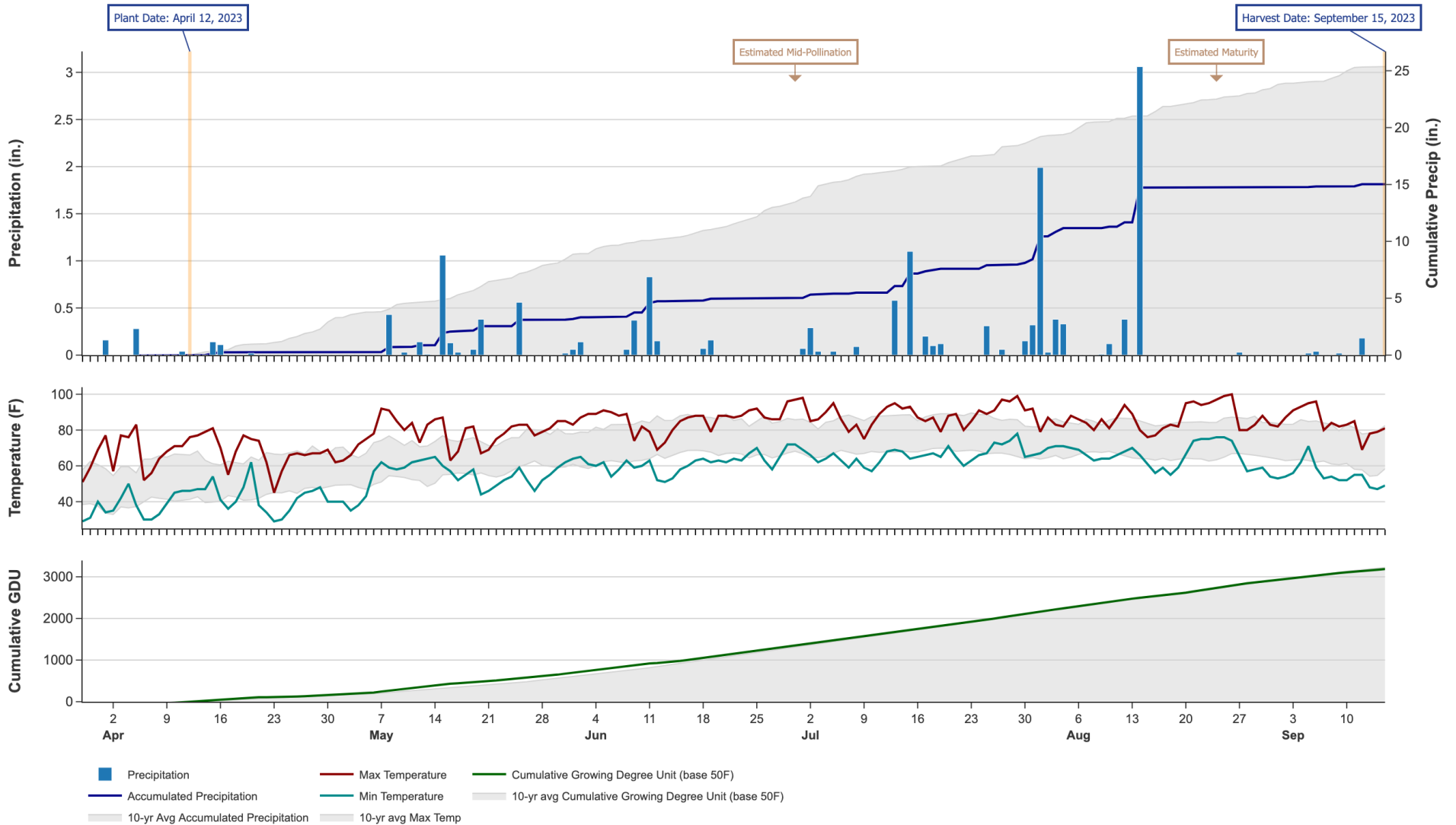
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2023 Corn - Missouri Central [MOCE]

Weather Conditions Summary at SWEET SPRINGS, MO

Weather Data Retrieved: 09/18/2023

Monthly Total	Mar*	Apr	May	Jun	Jul	Aug	Sep*	Total
Precip (in) (Diff)	0.0 0.5 (-0.5)	0.8 4.3 (-3.5)	2.9 5.5 (-2.7)	1.8 5.0 (-3.2)	3.5 5.5 (-2.0)	6.3 4.5 (+1.8)	0.3 1.9 (-1.7)	15.5 27.2 (-11.7)
GDU Avg (Diff)	10 6 (+3)	259 191 (+67)	514 441 (+72)	680 733 (-53)	785 816 (-31)	765 771 (-6)	280 321 (-41)	3293 3281 (+11)



* 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.