

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

2023 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 B2023MOCE05a
Top 30 of 32	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:	Minimum W/ Fall Till, high P, very high K, 6.3 pH, 2.4% OM, 14.0 CEC
PEST MANAGEMENT:	Anthem Maxx, Cavallo
FERTILITY - Applied N:	18 Fall, 200 Sidedress, 35# sulfur
Applied N-P-K (units):	218-46-60
SEEDED - RATE - ROW:	Apr 14 32.4 /A 30" spacing
HARVESTED - STAND:	Sep 17 32.1 /A

TEST COMMENTS:

Planting was in drier conditions, and it stayed that way all year. Stands were uniform. The rainfall was below average every month, apart from August, totaling around 15". No disease was observed. Corn stalks stood well at harvest with no lodging noted. This was a good trial for a dry bias year.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Lewis	11DT912 TRE ↗	TRE	111	238.0	16.1	1	31.8	1085	1
ProHarvest	81P92 TRERIB ↗	TRE	111	235.3	16.3	1	31.8	1072	2
FS InVision	FS 6133VDG RIB ↗	VT2PDG	111	232.7	17.3	1	32.3	1052	3
AgVenture	AV2411AM ↗	AM	111	227.3	16.3	1	31.8	1035	5
Mustang	570PR RIB ↗	VT2P	112	227.2	17.3	1	33.0	1027	8
NuTech	71A2AM ↗	AM	111	226.7	15.9	1	31.5	1036	4
NuTech	72A8AM ↗	AM	112	226.5	16.7	1	32.0	1028	6
FS InVision	FS 6137PC ↗	PCE	111	226.4	16.7	1	32.3	1028	7
Channel	211-11VT2PRIB GC ↗	VT2P	111	224.5	16.1	1	32.0	1024	9
ProHarvest	81P65 D ↗	D	111	222.1	16.4	1	32.0	1011	11
Channel	212-52SSPRIB GC ↗	STX	112	221.0	15.6	1	32.3	1012	10
Mustang	429PR RIB ↗	VT2P	110	221.0	17.2	1	31.5	1000	14
NuTech	70B4AM ↗	AM	110	220.7	16.1	1	32.5	1007	12
DeKalb	DKC59-82RIB GC ↗	VT2P	109	220.7	16.6	1	32.3	1003	13
AgriGold	A642-05VT2RIB GC ↗	VT2P	112	219.7	17.0	1	32.0	995	15
NK Brand	NK1188-AA ↗	AA	111	219.5	16.9	1	32.3	995	16
Pioneer	P1077AM GC ↗	AM	110	218.1	16.6	1	32.0	991	17
FS InVision	FS 6017V RIB ↗	VT2P	110	215.5	15.7	1	31.8	986	18
NuTech	72D4AM ↗	AM	112	214.3	17.0	1	32.0	971	20
AgVenture	AV6010AM ↗	AM	110	214.2	16.4	1	31.3	975	19
Lewis	12DT302 ↗	TRE	112	214.0	17.2	1	31.8	968	22
NK Brand	NK1082-DV ↗	DV	110	212.5	15.8	1	32.3	971	21
Golden Harvest	G11V76-AA ↗	AA	111	212.3	16.9	1	31.8	963	24
Burrus	POWER PLUS 5J21AM ↗	AM	110	211.3	15.9	1	32.0	966	23
Burrus	5A84 VT2P ↗	VT2P	111	209.9	17.7	1	31.8	946	29
AgVenture	AV9412AM ↗	AM	112	209.2	16.5	1	31.5	951	28
FS InVision	FS 5835V RIB ↗	VT2P	108	208.7	15.9	1	32.8	953	27
FS InVision	FS 6025X RIB ↗	STX	110	208.1	15.5	1	32.8	954	25
NuTech	68A7AM ↗	AM	108	207.8	15.2	1	32.5	954	26
NK Brand	NK1040-AA ↗	AA	110	199.8	15.7	1	32.3	914	30
PIONEER	P1222AM CK	AM	112	197.1	16.0	1	32.3	900	32
				Averages =	217.5	16.4	1	32.1	990
				LSD (0.10) =	11.0	0.7	ns		
				LSD (0.25) =	5.8	0.3	ns		
				C.V. =	5.5				
				Historic yield: 240.9 bu/a, 4 yr(s)					

William Schelp

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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Matt Neustadt, St. Charles County, MO

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Top 30 of 32	For Gross Income (Sorted by Yield) Average of (4) Replications
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SOIL CONDITION:	Minimum W/ Fall Till, high P, very high K, 6.3 pH, 2.4% OM, 14.0 CEC
PEST MANAGEMENT:	Anthem Maxx, Cavallo
FERTILITY - Applied N:	18 Fall, 200 Sidedress, 35# sulfur
Applied N-P-K (units):	218-46-60
SEEDED - RATE - ROW:	Apr 14 32.4 /A 30" spacing
HARVESTED - STAND:	Sep 17 32.0 /A

TEST COMMENTS:

Planting was in drier conditions, and it stayed that way all year. Stands were uniform. The rainfall was below average every month, apart from August, totaling around 15". No disease was observed. Corn stalks stood well at harvest with no lodging noted. This was a good trial for a dry bias year.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Channel	214-78DGV2PRIB GC ↗	VT2PDG	114	253.0	19.4	1	32.8	1124	1
Mustang	93R18 ↗	TRE	118	252.7	21.9	1	32.3	1101	4
Mustang	83A15 ↗	TRE	115	249.4	20.2	1	31.3	1102	3
FS InVision	FS 6395VDG RIB ↗	VT2PDG	113	247.4	17.6	1	32.0	1116	2
AgVenture	AV3213AM ↗	AM	113	244.9	18.9	1	32.8	1093	7
Mustang	97113 ↗	VT2PDG	113	244.5	17.8	1	32.5	1101	5
NuTech	75C1AM ↗	AM	115	244.4	20.3	1	31.8	1079	11
AgVenture	AV2816AM ↗	AM	116	243.6	19.7	1	31.8	1080	10
Mustang	662TRE RIB ↗	TRE	113	243.3	17.6	1	32.0	1097	6
Dyna-Gro	D56TC44RIB ↗	TRE	116	243.2	18.2	1	32.3	1092	8
FS InVision	FS 6627T RIB ↗	TRE	116	241.3	18.9	1	32.0	1077	12
FS InVision	FS 6432P RIB ↗	STXP	114	241.0	17.2	1	32.3	1090	9
NuTech	77A5AM ↗	AM	117	239.8	19.7	1	32.8	1064	15
NuTech	73A4AM ↗	AM	113	238.4	19.5	1	32.3	1059	16
Mustang	82R14 ↗	VT2P	114	238.2	20.7	1	32.0	1049	18
FS InVision	FS 6625V RIB ↗	VT2P	116	237.7	18.2	1	31.8	1067	14
ProHarvest	8360 VT2PRIB ↗	VT2P	113	237.4	17.6	1	31.5	1070	13
ProHarvest	84P78 TRERIB ↗	TRE	114	236.9	21.1	1	31.3	1039	21
Lewis	15DT512 ↗	TRE	115	236.6	20.3	1	32.0	1045	19
Golden Harvest	G14B32-DV ↗	DV	114	234.5	17.9	1	32.8	1055	17
Lewis	17DP651 ↗	VT2P	117	234.4	21.8	1	31.0	1022	24
AgVenture	AV3514AML ↗	AML	114	233.7	19.2	1	32.5	1041	20
Burrus	7P71 VT2P ↗	VT2P	115	232.4	18.8	1	32.0	1038	22
NK Brand	NK1523-V ↗	V	115	232.1	20.7	1	31.5	1022	25
NuTech	74A9AM ↗	AM	114	231.5	21.4	1	32.0	1013	28
NuTech	74C4AM ↗	AM	114	227.9	18.1	1	32.0	1023	23
Burrus	7F33 VT2P ↗	VT2P	114	227.5	18.2	1	31.8	1021	26
FS InVision	FS 6595V RIB ↗	VT2P	115	225.2	21.5	1	32.8	985	30
Lewis	14DT603 ↗	TRE	114	222.6	18.2	1	32.3	999	29
Golden Harvest	G17B31-V ↗	V	117	221.0	20.0	1	31.5	978	31
PIONEER	P1222AM CK	AM	112	224.4	16.8	1	31.8	1018	27
				Averages =	236.9	19.3	1	32.0	1054
				LSD (0.10) =	10.9	1.1	ns		
				LSD (0.25) =	5.7	0.6	ns		
				C.V. =	5.0				
William Schelp william.schelp@firstseedtests.com, (573) 819-7968				Historic yield: 240.9 bu/a, 4 yr(s)					

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

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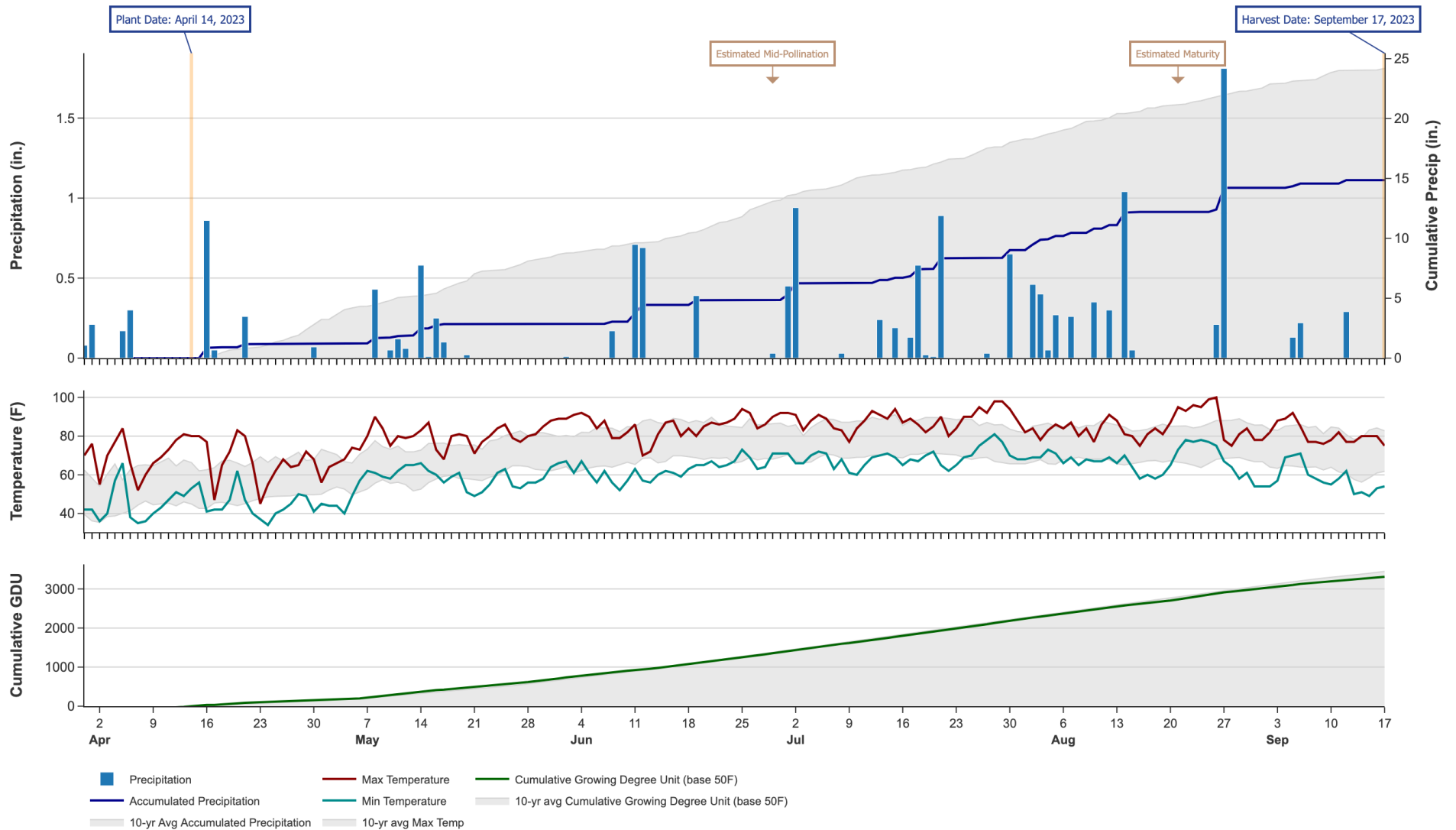
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2023 Corn - Missouri Central [MOCE]

Weather Conditions Summary at PORTAGE DES SIOUX, MO

Weather Data Retrieved: 09/18/2023

Monthly Total	Mar*	Apr	May	Jun	Jul	Aug	Sep*	Total
Precip (in) (Diff)	0.1 0.5 (-0.4)	1.9 5.2 (-3.2)	1.6 5.6 (-4.0)	2.0 4.7 (-2.7)	4.2 5.0 (-0.8)	5.2 4.3 (+0.9)	0.6 1.8 (-1.1)	15.6 26.9 (-11.3)
GDU Avg (Diff)	10 6 (+3)	294 212 (+81)	538 504 (+33)	699 769 (-70)	834 844 (-10)	773 806 (-33)	322 387 (-65)	3470 3531 (-61)



* 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.