

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

## 2023 Corn Grain Top 30 Harvest Report

Missouri Central [MOCE] MALTA BEND, MO  
Robin Mull, Saline County, MO 65339

<b>Early-Season Test</b>	107 - 112 Day CRM B2023MOCE02a
<b>Top 30 of 32</b>	For Gross Income (Sorted by Yield) Average of (4) Replications
<b>PREV. CROP/HERB:</b>	Soybeans / Roundup, Outlook, 2,4-D, Zidua Pro, Liberty
<b>SOIL DESCRIPTION:</b>	Marshall silt loam, well drained, non-irrigated
<b>SOIL CONDITION:</b>	Conventional W/O Fall Till, high P, very high K, 6.3 pH, 2.9% OM, 14.3 CEC
<b>PEST MANAGEMENT:</b>	Atrazine, Verdic, Armezon Pro, Roundup, Force 6.5g
<b>FERTILITY - Applied N:</b>	200 Spring, BlueN, Boron
<b>Applied N-P-K (units):</b>	200-0-0
<b>SEEDED - RATE - ROW:</b>	Apr 12 32.4 /A 30" spacing
<b>HARVESTED - STAND:</b>	Sep 14 32.1 /A

### TEST COMMENTS:

The area had dry conditions at planting and this continued. There was less than 9" of rainfall supporting this crop through July. August received over 10" of rainfall - over half of the season's total. Lodging in the area was observed, and plot specific lodging vales were noted. The field surrounding the FIRST trial averaged just north of 240 bu/acre. It was a great trial given the lack of rain and lodging event.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
AgriGold	A642-05VT2RIB GC ↗	VT2P	112	<b>231.8</b>	16.6	5	31.8	1053	1
Channel	212-52SSPRIB GC ↗	STX	112	<b>229.8</b>	15.5	1	32.0	1053	2
Channel	211-11VT2PRIB GC ↗	VT2P	111	<b>227.7</b>	15.6	1	32.3	1043	3
AgVenture	AV6010AM ↗	AM	110	<b>225.4</b>	16.6	4	31.8	1024	4
Lewis	11DT912 TRE ↗	TRE	111	<b>225.2</b>	17.9	1	31.8	1013	5
FS InVision	FS 6137PC ↗	PCE	111	221.7	17.2	3	32.5	1003	6
NuTech	72A8AM ↗	AM	112	220.5	17.5	1	31.5	995	11
FS InVision	FS 6025X RIB ↗	STX	110	220.0	16.1	1	32.0	1003	7
NK Brand	NK1082-DV ↗	DV	110	219.4	15.8	2	32.3	1003	8
NuTech	72D4AM ↗	AM	112	219.3	16.0	7	32.5	1000	9
FS InVision	FS 6017V RIB ↗	VT2P	110	219.1	16.4	10	31.5	998	10
NK Brand	NK1188-AA ↗	AA	111	218.6	17.9	3	32.3	983	13
Mustang	570PR RIB ↗	VT2P	112	216.6	17.3	10	32.3	979	16
Pioneer	P1077AM GC ↗	AM	110	216.3	16.1	2	32.0	987	12
Mustang	429PR RIB ↗	VT2P	110	216.2	17.1	3	31.8	979	17
AgVenture	AV2411AM ↗	AM	111	216.0	16.7	3	32.5	981	15
ProHarvest	81P65 D ↗	D	111	215.7	17.0	1	32.8	977	18
NuTech	68A7AM ↗	AM	108	214.1	15.4	1	32.5	982	14
ProHarvest	81P92 TRERIB ↗	TRE	111	214.0	16.5	2	32.3	973	19
NuTech	70B4AM ↗	AM	110	213.9	16.8	3	31.5	971	21
AgVenture	AV9412AM ↗	AM	112	213.5	17.3	1	32.3	965	22
Golden Harvest	G11V76-AA ↗	AA	111	213.3	18.4	1	32.3	956	25
Lewis	12DT302 ↗	TRE	112	212.4	17.0	1	31.3	962	23
FS InVision	FS 5835V RIB ↗	VT2P	108	210.4	16.1	1	32.3	960	24
NuTech	71A2AM ↗	AM	111	210.3	17.3	7	32.8	950	27
Golden Harvest	G10B61-AA ↗	AA	110	209.0	16.0	2	32.0	954	26
FS InVision	FS 6133VDG RIB ↗	VT2PDG	111	208.5	17.1	3	31.5	944	29
NK Brand	NK1040-AA ↗	AA	110	206.6	15.4	1	33.0	948	28
DeKalb	DKC59-82RIB GC ↗	VT2P	109	203.0	15.9	7	32.3	927	30
Burrus	POWER PLUS 5J21AM ↗	AM	110	199.2	16.0	10	32.8	910	31
<b>PIONEER</b>	<b>P1222AM CK</b>	<b>AM</b>	<b>112</b>	<b>213.7</b>	<b>16.4</b>	<b>2</b>	<b>31.8</b>	<b>973</b>	<b>20</b>
				<b>Averages =</b>	<b>215.6</b>	<b>16.6</b>	<b>3</b>	<b>32.1</b>	<b>980</b>
				<b>LSD (0.10) =</b>	9.3	1.0	ns		
				<b>LSD (0.25) =</b>	4.9	0.5	ns		
				<b>C.V. =</b>	4.7				
				Historic yield: 228.5 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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## 2023 Corn Grain Top 30 Harvest Report

Missouri Central [MOCE] MALTA BEND, MO  
Robin Mull, Saline County, MO 65339

<b>Full-Season Test</b>	113 - 118 Day CRM B2023MOCE02b
<b>Top 30 of 32</b>	For Gross Income (Sorted by Yield) Average of (4) Replications
<b>PREV. CROP/HERB:</b>	Soybeans / Roundup, Outlook, 2,4-D, Zidua Pro, Liberty
<b>SOIL DESCRIPTION:</b>	Marshall silt loam, well drained, non-irrigated
<b>SOIL CONDITION:</b>	Conventional W/O Fall Till, high P, very high K, 6.3 pH, 2.9% OM, 14.3 CEC
<b>PEST MANAGEMENT:</b>	Atrazine, Verdic, Armezon Pro, Roundup, Force 6.5g
<b>FERTILITY - Applied N:</b>	200 Spring, BlueN, Boron
<b>Applied N-P-K (units):</b>	200-0-0
<b>SEEDED - RATE - ROW:</b>	Apr 12 32.4 /A 30" spacing
<b>HARVESTED - STAND:</b>	Sep 14 32.2 /A

### TEST COMMENTS:

The area had dry conditions at planting and this continued. There was less than 9" of rainfall supporting this crop through July. August received over 10" of rainfall - over half of the season's total. Lodging in the area was observed, and plot specific lodging vales were noted. The field surrounding the FIRST trial averaged just north of 240 bu/acre. It was a great trial given the lack of rain and lodging event.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Dyna-Gro	D56TC44RIB ↗	TRE	116	<b>239.1</b>	20.1	15	32.0	1057	4
Mustang	83A15 ↗	TRE	115	<b>239.0</b>	19.0	14	32.3	1066	2
Mustang	97113 ↗	VT2PDG	113	<b>238.0</b>	17.8	2	32.0	1071	1
FS InVision	FS 6395VDG RIB ↗	VT2PDG	113	<b>237.3</b>	18.1	1	32.5	1066	3
Lewis	15DT512 ↗	TRE	115	235.1	21.0	1	32.0	1032	7
NuTech	77A5AM ↗	AM	117	234.8	18.9	4	32.5	1048	5
FS InVision	FS 6595V RIB ↗	VT2P	115	234.4	21.6	2	32.3	1024	11
ProHarvest	84P78 TRERIB ↗	TRE	114	233.5	20.4	3	32.3	1030	8
Mustang	93R18 ↗	TRE	118	233.4	25.4	3	32.3	989	22
Burrus	7F33 VT2P ↗	VT2P	114	232.1	20.2	2	31.8	1025	10
FS InVision	FS 6627T RIB ↗	TRE	116	230.9	19.4	9	31.8	1027	9
NK Brand	NK1523-V ↗	V	115	230.1	21.8	2	32.0	1004	17
FS InVision	FS 6625V RIB ↗	VT2P	116	230.0	20.0	3	32.8	1018	12
Channel	214-78DGV2PRIB GC ↗	VT2PDG	114	229.4	21.4	10	31.8	1004	18
AgVenture	AV3213AM ↗	AM	113	228.9	16.9	1	31.3	1038	6
Burrus	7P71 VT2P ↗	VT2P	115	226.6	18.4	1	31.8	1016	13
NuTech	74C4AM ↗	AM	114	225.0	18.3	7	32.3	1009	15
NuTech	74A9AM ↗	AM	114	224.7	20.1	2	32.0	993	20
FS InVision	FS 6432P RIB ↗	STXP	114	223.8	17.7	5	32.5	1009	16
NuTech	75C1AM ↗	AM	115	222.9	19.5	2	32.3	990	21
NuTech	73A4AM ↗	AM	113	220.9	16.8	6	31.5	1003	19
AgVenture	AV3715AM ↗	AM	115	220.8	21.2	3	32.5	968	25
Mustang	82R14 ↗	VT2P	114	220.5	20.9	1	32.5	969	24
Lewis	14DT603 ↗	TRE	114	219.7	18.8	20	32.3	981	23
ProHarvest	8360 VT2PRIB ↗	VT2P	113	215.6	18.7	9	32.3	964	26
AgVenture	AV2816AM ↗	AM	116	213.4	18.7	8	31.5	954	27
Golden Harvest	G17B31-V ↗	V	117	212.5	21.0	1	32.3	933	31
AgVenture	AV3514AML ↗	AML	114	210.0	19.1	5	32.5	936	30
Golden Harvest	G14B32-DV ↗	DV	114	209.9	17.1	1	32.3	950	28
Mustang	662TRE RIB ↗	TRE	113	205.3	15.9	13	32.3	938	29
<b>PIONEER</b>	<b>P1222AM CK</b>	<b>AM</b>	<b>112</b>	<b>221.8</b>	<b>15.9</b>	<b>8</b>	<b>33.0</b>	<b>1013</b>	<b>14</b>
				<b>Averages =</b>	<b>225.4</b>	<b>19.4</b>	<b>5</b>	<b>32.2</b>	<b>1002</b>
				LSD (0.10) =	10.6	1.4	ns		
				LSD (0.25) =	5.6	0.7	ns		
				C.V. =	5.2				
				Historic yield: 228.5 bu/a, 4 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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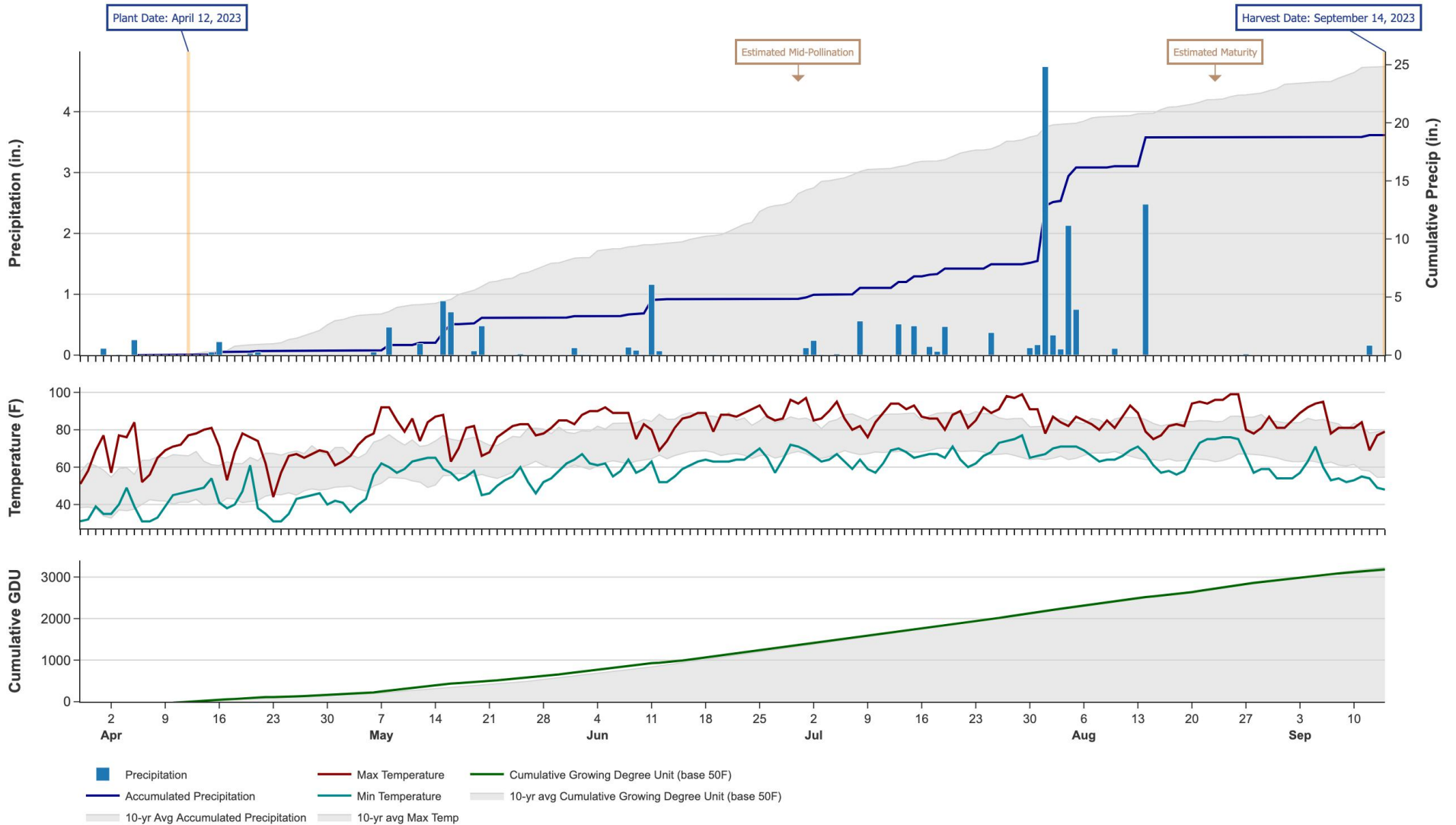
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# 2023 Corn - Missouri Central [ MOCE ]

## Weather Conditions Summary at MALTA BEND, 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)	0.7   4.0 (-3.2)	2.9   5.5 (-2.7)	1.6   5.8 (-4.1)	3.3   5.0 (-1.7)	10.7   4.0 (+6.7)	0.2   1.9 (-1.7)	19.3   26.7 (-7.4)
GDU   Avg (Diff)	10   6 (+3)	263   193 (+69)	518   452 (+65)	688   739 (-51)	791   818 (-27)	762   775 (-13)	260   302 (-42)	3292   3287 (+4)



\* 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

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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

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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\*

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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.