

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

## 2024 Corn Grain Top 30 Harvest Report

Missouri Central [MOCE] PORTAGE DES SIOUX, MO  
Matt Neustadt, St. Charles County, MO

<b>Early-Season Test</b>	107 - 112 Day CRM B2024MOCE05a
<b>Top 30 of 31</b>	For Gross Income (Sorted by Yield) Average of (4) Replications
<b>PREV. CROP/HERB:</b>	Soybeans / Anthem Maxx, Liberty, Roundup
<b>SOIL DESCRIPTION:</b>	De Sioux loam, well drained, non-irrigated
<b>SOIL CONDITION:</b>	Conventional W/ Fall Till, high P, very high K, 5.4 pH, 2.9% OM, 18.2 CEC
<b>PEST MANAGEMENT:</b>	Anthem Maxx, Cavallo, Force 6.5g
<b>FERTILITY - Applied N:</b>	18 Fall, 200 Sidedress
<b>Applied N-P-K (units):</b>	218-46-60
<b>SEEDED - RATE - ROW:</b>	Apr 21 34.7 /A 30" spacing
<b>HARVESTED - STAND:</b>	Sep 11 33.1 /A

### TEST COMMENTS:

A stale seedbed offered a great start for this April planted plot. It rained when it really needed it in July: over 8" in fact – after less than a couple inches for June. The surrounding fields have variable yields reported. August was short on rain and left some sand profile soils struggling nearby - as reported by Matt. This site offered a great uniform test location. Harvest revealed very tall plants with healthy stalks. A great high-yield trial.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
AgVenture	AV9412AM ↗	AM	112	<b>293.6</b>	18.5	1	33.8	1074	1
ProHarvest	80P75 PCE ↗	PCE	110	<b>288.4</b>	17.6	1	33.0	1062	2
FS InVision	FS 6042F RIB ↗	VT4P	110	<b>281.5</b>	19.9	1	33.3	1017	6
FS InVision	FS 6248V RIB ↗	VT2P	112	<b>280.1</b>	19.2	1	32.5	1018	5
NuTech	69C7PCE ↗	PCE	109	<b>279.6</b>	18.1	1	32.0	1025	3
AgVenture	AV3310PCE ↗	PCE	110	277.4	17.7	1	32.8	1021	4
Taylor	EXP C-111-24 ↗	VT4P	111	276.5	19.6	1	32.5	1001	10
Burrus	POWER PLUS 4V73AM ↗	AM	109	274.7	18.0	1	33.3	1008	8
Burrus	4W42 PCE ↗	PCE	108	273.0	17.8	1	33.8	1004	9
AgVenture	AV4112PCE ↗	PCE	112	271.8	19.6	1	32.5	985	12
DeKalb	DKC111-35RIB GC ↗	VT2P	111	271.0	18.6	1	34.0	989	11
FS InVision	FS 6245V RIB ↗	VT2P	112	268.9	21.2	1	33.8	961	18
FS InVision	FS 5947T RIB ↗	TRE	109	268.8	18.9	1	34.0	979	14
NuTech	72C1PCE ↗	PCE	112	268.0	18.5	1	33.0	979	15
NuTech	70F6V ↗	VE	110	266.5	17.7	1	33.0	980	13
NuTech	70B4AM ↗	AM	110	265.2	18.2	1	33.8	972	16
Golden Harvest	G11V76-AA ↗	AA	111	264.8	19.6	1	33.5	960	19
NK Brand	NK1188-AA ↗	AA	111	263.2	19.3	1	32.5	956	22
Golden Harvest	G12U11-AA ↗	AA	112	262.8	19.3	1	32.8	955	23
AgVenture	AV6010AM ↗	AM	110	262.5	18.6	1	33.0	959	21
NK Brand	NK1228-AA ↗	AA	112	262.1	18.2	1	32.8	960	20
FS InVision	FS 6137PC RA ↗	PCE	111	262.0	18.0	1	33.3	962	17
ProHarvest	81P65 V ↗	V	111	261.7	18.8	1	33.5	954	24
DeKalb	DKC62-70RIB GC ↗	VT2P	112	260.0	20.0	1	32.3	938	26
NuTech	72A8AM ↗	AM	112	257.3	18.4	1	32.8	941	25
AgVenture	AV6612AM ↗	AM	112	254.8	19.2	1	33.0	926	27
Mustang	429PR RIB ↗	VT2P	110	253.4	19.7	1	33.3	917	28
NK Brand	NK0880-V ↗	V	108	250.0	19.5	1	33.0	906	29
Mustang	570PR RIB ↗	VT2P	112	250.0	20.0	1	33.5	902	30
NK Brand	NK1056-V ↗	V	110	243.6	18.0	1	32.5	894	31
<b>PIONEER</b>	<b>P13050AM CK</b>	<b>AM</b>	<b>113</b>	<b>277.3</b>	<b>19.0</b>	<b>1</b>	<b>33.3</b>	<b>1009</b>	<b>7</b>
				<b>Averages =</b>	<b>267.4</b>	<b>18.8</b>	<b>1</b>	<b>33.1</b>	<b>975</b>
				LSD (0.10) =	11.5	0.8	ns		
				LSD (0.25) =	6.0	0.4	ns		
				C.V. =	4.7				
				Historic yield: 238.3 bu/a, 6 yr(s)					

William Schelp

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### Yield & Income Factors:

Base Moisture = 15.0% Shrink = 1.3 Drying = \$0.03 Prices: GMO = \$3.76

Report Date: Sept. 13, 2024

† 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 exceeded the grain moisture limit for this test. **ns** = column values not significantly different. ↗ Links to full product yield results at [www.firstseedtests.com](http://www.firstseedtests.com)

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## 2024 Corn Grain Top 30 Harvest Report

Missouri Central [MOCE] PORTAGE DES SIOUX, MO  
Matt Neustadt, St. Charles County, MO

<b>Full-Season Test</b>	113 - 118 Day CRM B2024MOCE05b
<b>Top 31 of 36</b>	For Gross Income (Sorted by Yield) Average of (4) Replications
<b>PREV. CROP/HERB:</b>	Soybeans / Anthem Maxx, Liberty, Roundup
<b>SOIL DESCRIPTION:</b>	De Sioux loam, well drained, non-irrigated
<b>SOIL CONDITION:</b>	Conventional W/ Fall Till, high P, very high K, 5.4 pH, 2.9% OM, 18.2 CEC
<b>PEST MANAGEMENT:</b>	Anthem Maxx, Cavallo, Force 6.5g
<b>FERTILITY - Applied N:</b>	18 Fall, 200 Sidedress
<b>Applied N-P-K (units):</b>	218-46-60
<b>SEEDED - RATE - ROW:</b>	Apr 21 34.7 /A 30" spacing
<b>HARVESTED - STAND:</b>	Sep 11 33.0 /A

### TEST COMMENTS:

A stale seedbed offered a great start for this April planted plot. It rained when it really needed it in July: over 8" in fact – after less than a couple inches for June. The surrounding fields have variable yields reported. August was short on rain and left some sand profile soils struggling nearby - as reported by Matt. This site offered a great uniform test location. Harvest revealed very tall plants with healthy stalks. A great high-yield trial.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
FS InVision	FS 6447T RIB ↗	TRE	114	<b>286.6</b>	21.5	1	32.3	1022	1
Taylor	EXP C-117-24 ↗	TRE	117	<b>285.3</b>	25.8	1	33.3	980	11
Mustang	93R18 TRE RIB ↗	TRE	118	<b>283.7</b>	24.8	1	32.3	984	7
FS InVision	FS 6349PC RA ↗	PCE	113	<b>280.1</b>	19.2	1	33.3	1018	2
Mustang	83A15 TRE RIB ↗	TRE	115	<b>279.2</b>	22.4	1	33.3	988	6
Pioneer	P14830AML GC ↗	AML	114	<b>278.5</b>	20.1	1	32.5	1004	3
AgVenture	AV9916AM ↗	AM	116	<b>278.4</b>	21.4	1	33.3	994	5
AgVenture	AV4713PCE ↗	PCE	113	<b>276.3</b>	19.8	1	32.0	1000	4
Great Heart	HT-7360VT2P ↗	VT2P	113	<b>276.2</b>	21.7	1	33.7	983	8
Mustang	82R14 VT2P RIB ↗	VT2P	114	274.5	21.2	1	31.8	981	9
ProHarvest	84P78 TRERIB ↗	TRE	114	273.8	25.2	1	32.5	946	22
NuTech	72D4AM ↗	AM	112	271.9	20.8	1	33.0	975	15
NuTech	75C1PCE ↗	PCE	115	271.7	20.7	1	32.8	976	14
NuTech	73A4AM ↗	AM	113	271.7	20.2	1	33.5	979	12
NuTech	74A5PCE ↗	PCE	114	271.2	19.8	1	33.5	981	10
Taylor	6015 TRE ↗	TRE	115	271.0	21.7	1	33.5	965	16
Burrus	6N54 VT2P ↗	VT2P	113	270.0	19.7	1	33.0	978	13
AgVenture	AV3213AM ↗	AM	113	268.5	21.1	1	32.0	960	18
AgVenture	AV3514AML ↗	AML	114	268.3	20.6	1	33.0	964	17
FS InVision	FS 6545V RIB ↗	VT2P	115	266.3	21.6	1	32.8	949	20
AgVenture	AV9515AM ↗	AM	115	265.6	20.7	1	33.8	954	19
NuTech	73A6AML ↗	AML	113	263.7	20.4	1	33.0	949	21
Burrus	8M81 TRE ↗	TRE	117	263.5	23.3	1	32.5	925	27
DeKalb	DKC117-78RIB GC ↗	VT2P	117	262.1	21.2	1	33.0	937	24
FS InVision	FS 6747T RIB ↗	TRE	117	260.8	27.1	1	33.3	886	29
FS InVision	FS 6395VDG RIB ↗	VT2PDG	113	260.7	21.0	1	32.3	934	25
Taylor	8680 ↗	VT2P	117	259.9	23.3	1	33.3	913	28
Great Heart	HT-7500TRE ↗	TRE	115	258.5	27.0	1	32.3	879	30
Mustang	662TRE RIB ↗	TRE	113	257.9	18.5	1	33.3	942	23
NK Brand	NK1523-V ↗	V	115	249.6	23.7	1	34.0	874	31
<b>PIONEER</b>	<b>P13050AM CK</b>	<b>AM</b>	<b>113</b>	<b>259.2</b>	<b>20.7</b>	<b>1</b>	<b>32.5</b>	<b>930</b>	<b>26</b>
				<b>Averages =</b>	<b>266.3</b>	<b>21.8</b>	<b>1</b>	<b>33.0</b>	<b>946</b>
				LSD (0.10) =	9.7	1.2	ns		
				LSD (0.25) =	5.1	0.6	ns		
				C.V. =	4.0				
william.schelp@firstseedtests.com, (573) 819-7968				Historic yield: 238.3 bu/a, 6 yr(s)					

**Yield & Income Factors:** Base Moisture = 15.0% Shrink = 1.3 Drying = \$0.03 Prices: GMO = \$3.76

Report Date: Sept. 13, 2024

† 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](http://www.firstseedtests.com)

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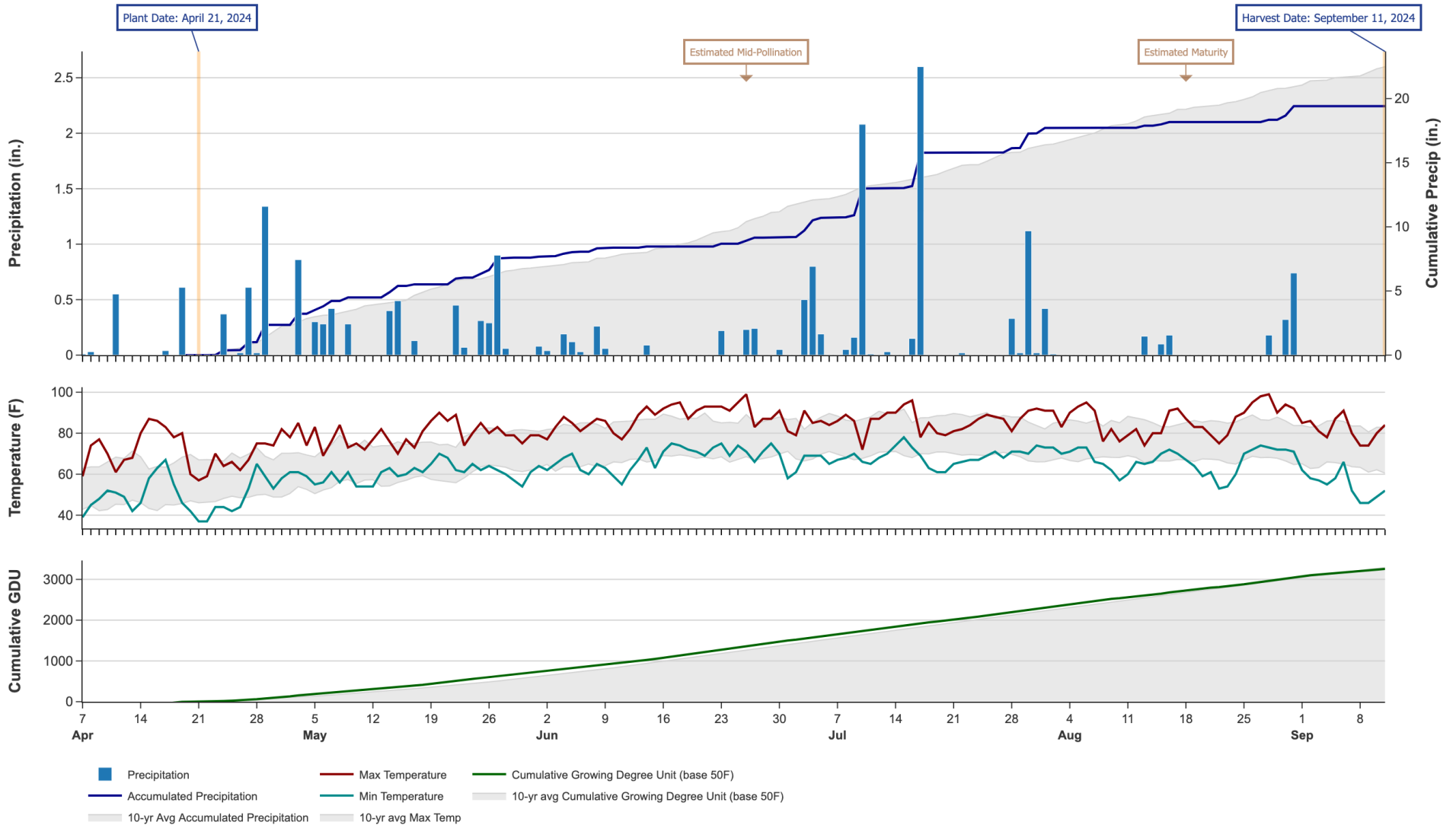
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# 2024 Corn - Missouri Central [ MOCE ]

## Weather Conditions Summary at PORTAGE DES SIOUX, MO

Weather Data Retrieved: 10/16/2024

Monthly Total	Apr*	May	Jun	Jul	Aug	Sep*	Total
Precip (in)   (Diff)	3.6   3.8 (-0.2)	5.2   4.9 (+0.3)	1.6   4.4 (-2.8)	8.1   5.1 (+3.0)	2.1   4.7 (-2.6)	0.0   1.6 (-1.6)	20.6   24.4 (-3.7)
GDU   Avg (Diff)	274   204 (+69)	606   511 (+94)	782   772 (+9)	801   851 (-50)	774   810 (-36)	202   259 (-57)	3439   3410 (+28)



\* 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.

## 2024 Corn - Missouri Central [ MOCE ]

### Early-Season Test Products (31 Total)

Company/Brand	Product/Brand	Technology	RIB	RM	Seed Treat.
AgVenture	AV3310PCE	PCE	Y	110	Lum, L1
AgVenture	AV4112PCE	PCE	Y	112	Lum, L1
AgVenture	AV6010AM	AM	Y	110	Lum
AgVenture	AV6612AM	AM	Y	112	Lum
AgVenture	AV9412AM	AM	Y	112	Lum
Burrus	4W42 PCE	PCE	Y	108	Lum, L1
Burrus	POWER PLUS 4V73AM	AM	Y	109	Lum, L1
DeKalb	DKC111-35RIB GC	VT2P	Y*	111	AC,P5V
DeKalb	DKC62-70RIB GC	VT2P	Y	112	AC,P5V
FS InVision	FS 5947T RIB	TRE	Y	109	AC,P5V,EDC-EL
FS InVision	FS 6042F RIB	VT4P	Y	110	AC,P5V,EDC-EL
FS InVision	FS 6137PC RA	PCE	N	111	AC,P5V
FS InVision	FS 6245V RIB	VT2P	Y	112	AC,P5V,EDC-EL
FS InVision	FS 6248V RIB	VT2P	Y	112	CM,C5,Vi
Golden Harvest	G11V76-AA	AA	Y	111	AVC,C1,Vi,Va
Golden Harvest	G12U11-AA	AA	Y	112	CM,C1,Vi,Va
Mustang	429PR RIB	VT2P	Y	110	CM,C5
Mustang	570PR RIB	VT2P	Y	112	CM,C5
NK Brand	NK0880-V	V	Y	108	CM,C1,Vi,Va
NK Brand	NK1056-V	V	Y	110	CM,C2,Vi,Va
NK Brand	NK1188-AA	AA	Y	111	CM,C5,Vi,Va
NK Brand	NK1228-AA	AA	Y	112	CM,C1,Vi,Va
NuTech	69C7PCE	PCE	Y	109	LumPro P2
NuTech	70B4AM	AM	Y	110	LumPro P2
NuTech	70F6V	VE	Y	110	LumPro P2
NuTech	72A8AM	AM	Y	112	LumPro P2
NuTech	72C1PCE	PCE	Y	112	LumPro P2
Pioneer	P13050AM CK	AM	Y	113	Lum
ProHarvest	80P75 PCE	PCE	Y	110	AC,P2
ProHarvest	81P65 V	V	Y	111	CM,C2,Vi,Va
Taylor	EXP C-111-24	VT4P	N	111	CM,C2

\* 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.

## 2024 Corn - Missouri Central [ MOCE ]

### Full-Season Test Products (36 Total)

Company/Brand	Product/Brand	Technology	RIB	RM	Seed Treat.
AgVenture	AV3213AM	AM	Y	113	Lum
AgVenture	AV3514AML	AML	Y	114	Lum
AgVenture	AV4713PCE	PCE	Y	113	Lum
AgVenture	AV9515AM	AM	Y	115	Lum, L1
AgVenture	AV9916AM	AM	Y	116	Lum
Burrus	6N54 VT2P	VT2P	Y	113	AC,P5V,EDC-EL
Burrus	8M81 TRE	TRE	Y	117	AC,P5V,EDC-B
DeKalb	DKC117-78RIB GC	VT2P	Y*	117	Treated
DeKalb	DKC64-22RIB GC	VT2P	Y	114	AC,P5V
FS InVision	FS 6349PC RA	PCE	Y	113	CM,C2,Vi,Va
FS InVision	FS 6395VDG RIB	VT2PDG	Y	113	AC,P5V
FS InVision	FS 6447T RIB	TRE	Y	114	AC,P5V,EDC-EL
FS InVision	FS 6545V RIB	VT2P	Y	115	AC,P5V
FS InVision	FS 6747T RIB	TRE	Y	117	AC,P5V,EDC-EL
Golden Harvest	G13U96-DV	DV	Y	113	CM,C1,Va
Golden Harvest	G15U34-V	V	Y	115	CM,C2,Vi,Va
Great Heart	HT-7360VT2P	VT2P	N	113	F,I
Great Heart	HT-7500TRE	TRE	N	115	F,I
Mustang	662TRE RIB	TRE	Y	113	CM,C5
Mustang	82R14 VT2P RIB	VT2P	Y	114	CM,C5
Mustang	83A15 TRE RIB	TRE	Y	115	CM,C5
Mustang	93R18 TRE RIB	TRE	Y	118	CM,C5
NK Brand	NK1307-DV	DV	Y	113	CM,C1,Vi,Va
NK Brand	NK1386-VZ	VZ	Y	113	CM,C2,Vi,Va
NK Brand	NK1523-V	V	Y	115	CM,C5,Vi,Va
NuTech	72D4AM	AM	Y	112	LumPro P2
NuTech	73A4AM	AM	Y	113	LumPro P2
NuTech	73A6AML	AML	Y	113	LumPro P2
NuTech	74A5PCE	PCE	Y	114	LumPro P2
NuTech	75C1PCE	PCE	Y	115	LumPro P2
Pioneer	P13050AM CK	AM	Y	113	Lum
Pioneer	P14830AML GC	AML	Y	114	Lum
ProHarvest	84P78 TRERIB	TRE	Y	114	F,I
Taylor	6015 TRE	TRE	N	115	CM,C2
Taylor	8680	VT2P	Y	117	F,I
Taylor	EXP C-117-24	TRE	N	117	CM,C2

\* 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)
DV	DuracadeViptera™ (Vip,CB,HX,RW,RW2,LL,GT), formerly Agrisure Duracade® 5222
PCE	PowerCore® Enlist®
TRE	Trecepta®
V	Viptera™ (Vip,CB,HX,LL,GT), formerly Agrisure Viptera® 3220
VE	Vorceed™ Enlist®
VT2P	VT Double PRO®
VT2PDG	DroughtGard® with VT Double PRO®
VT4P	VT4Pro™ with RNAi Technology
VZ	Viptera™ Z3 (Vip,CB,VTP,LL,GT), formerly Agrisure Viptera® 3330

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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,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
AVC,C1,Vi,Va	Avicta® Complete 1250, Vibrance®, Vayantis®
CM,C1,Va	CruiserMaxx® 1250 with Vayantis®
CM,C1,Vi,Va	CruiserMaxx® 1250 with Vibrance, Vayantis®
CM,C2	CruiserMaxx® 250
CM,C2,Vi,Va	CruiserMaxx® 250 with Vibrance, Vayantis®
CM,C5	Cruisermaxx® 500
CM,C5,Vi	CruiserMaxx® 500 with Vibrance
CM,C5,Vi,Va	CruiserMaxx® 500 with Vibrance, Vayantis®
F,I	Fungicide, Insecticide
Lum	LumiGEN™ (Corteva Agriscience)
Lum, L1	LumiGEN, Lumisure 1250
LumPro P2	Lumiscend Pro /Lumiflex fungicide, L-2012R bio-fungicide, Lumisure 250/ Lumivia250 insecticide, Lumialza nematicide
Treated	Treated seed, unspecified

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\* Seed treatments may include unspecified plant health promoting components.