

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

2025 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 B2025MOCE05a
Top 30 of 36	For Gross Income (Sorted by Yield) Average of (4) Replications
PREV. CROP/HERB:	Soybeans / Zidua, Liberty, Roundup
SOIL DESCRIPTION:	Desioux loam, well drained, non- irrigated
SOIL CONDITION:	Conventional W/ Fall Till, low P, high K, 5.76 pH, 3.45% OM, 11.58 CEC low S, mod. B, high Zn
PEST MANAGEMENT:	Mesotrione, Atrazine, Surtain, Glyphosate, Serpent
FERTILITY - Applied N:	18 Fall, 200 Sidedress
Applied N-P-K (units):	218-46-60
SEEDED - RATE - ROW:	Apr 15 34.4 /A 30" spacing
HARVESTED - STAND:	Sep 13 32.0 /A
PEST & DISEASE RISK:	Fusarium, Pythium, Rhizoctonia*

TEST COMMENTS:

This site was the first FIRST trial planted this year. Matt, our host farmer, was also planting around the test. A super-wet April followed. It was the wettest April on record, for St. Louis, and this area, in fact. I believe the weather limited the yield potential. There were widespread reports of tassel wrap, particularly with some early maturity hybrids. Yields here ranged from 225 to 280, so a yield spread of ~ 55 bu/a. Great data to see the hybrids' response to multiple stressors.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Great Heart	HT-7210TRERIB ↗	TRE	112	284.2	15.6	1	32.0	1083	1
FS InVision	FS 5947T RIB ↗	TRE	109	267.8	15.1	1	32.7	1025	2
FS InVision	FS 6245V RIB ↗	VT2P	112	261.3	15.5	1	31.8	997	3
ProHarvest	82P96 PCE ↗	PCE	112	256.6	14.9	1	31.8	983	5
FS InVision	FS 6042F RIB ↗	VT4P	110	255.8	14.6	1	31.8	980	6
FS InVision	FS 6157T RIB ↗	TRE	111	254.7	15.3	1	31.0	973	7
Taylor	4412 ↗	VT4P	112	253.9	15.3	1	32.3	970	8
Channel	209-70TRERIB ↗	TRE	109	252.4	14.7	1	31.0	967	9
Pioneer	P1170AM GC ↗	AM	111	251.8	14.6	1	32.0	964	10
AgVenture	AV4112PCE ↗	PCE	112	251.1	14.7	1	32.3	962	11
NuTech	72C1PCE ↗	PCE	112	251.0	14.6	1	32.0	961	12
Burrus	POWER PLUS 4V73AM ↗	AM	109	250.5	14.4	1	31.5	959	13
Taylor	2212 ↗	PCE	112	250.5	15.3	1	31.8	957	14
Taylor	8013 VT2PDG ↗	VT2PDG	112	249.5	15.4	1	32.3	953	15
NuTech	70F6PCE ↗	PCE	110	248.3	14.7	1	31.8	951	16
AgVenture	AV7710PCE ↗	PCE	110	246.3	14.5	1	32.0	943	17
FS InVision	FS 5949PC RA ↗	PCE	109	245.9	13.9	1	32.3	942	18
Burrus	5C11 PCE ↗	PCE	110	244.6	14.6	1	32.3	937	19
NuTech	71B6PCE ↗	PCE	111	243.3	14.8	1	31.5	932	20
AgVenture	AV1009PCE ↗	PCE	109	240.4	14.3	1	32.8	921	21
AgVenture	AV6010AM ↗	AM	110	238.8	14.4	1	31.8	915	22
NuTech	69C7PCE ↗	PCE	109	238.6	14.8	1	31.5	914	23
Green Valley	8063PCE ↗	PCE	110	237.5	14.6	1	31.8	909	24
ProHarvest	80P75 PCE ↗	PCE	110	236.1	14.6	1	32.3	904	25
Pioneer	P0859AM GC ↗	AM	108	234.5	14.3	1	32.3	898	26
AgVenture	AV9511PCE ↗	PCE	111	234.5	14.6	1	32.0	898	27
NuTech	69G1PCE ↗	PCE	109	234.3	14.6	1	31.5	897	28
Merschman	2413C-30 GC ↗	PCE	113	234.2	14.8	1	32.5	897	29
Golden Harvest	G12U11-AA GC ↗	AA	112	232.4	14.8	1	32.5	890	30
Golden Harvest	G10U97-V GC ↗	V	110	224.2	14.5	1	32.8	859	31
PIONEER	P14830AML CK	AML	114	259.7	15.5	1	32.8	991	4
				Averages = 246.4	14.7	1	32.0	946	
				LSD (0.10) =	8.9	0.4	0		
				LSD (0.25) =	4.6	0.2	0		
				C.V. =	3.9				
				Historic yield: 243.2 bu/a, 6 yr(s)					

Yield & Income Factors:

Base Moisture = 15.0%

Shrink = 1.3

Drying = \$0.03

Prices: GMO = \$3.83

† 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. ^{*}Earthoptics used for soil conditions and soil-borne disease & pest risks. ↗ Links to full product yield results at www.firstseedtests.com.

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Report Date: Sept. 17, 2025

Revised: 09/25/2025 Added historic average yield for location

Additional reports available at www.firstseedtests.com

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2025 Corn Grain Top 30 Harvest Report

Missouri Central [MOCE] PORTAGE DES SIOUX, MO

Matt Neustadt, St. Charles County, MO

Full-Season Test	113 - 118 Day CRM B2025MOCE05b
Top 30 of 40	For Gross Income (Sorted by Yield) Average of (4) Replications
PREV. CROP/HERB:	Soybeans / Zidua, Liberty, Roundup
SOIL DESCRIPTION:	Desioux loam, well drained, non- irrigated
SOIL CONDITION:	Conventional W/ Fall Till, low P, high K, 5.76 pH, 3.45% OM, 11.58 CEC low S, mod. B, high Zn
PEST MANAGEMENT:	Mesotrione, Atrazine, Surtain, Glyphosate, Serpent
FERTILITY - Applied N:	18 Fall, 200 Sidedress
Applied N-P-K (units):	218-46-60
SEEDED - RATE - ROW:	Apr 15 34.4 /A 30" spacing
HARVESTED - STAND:	Sep 13 32.1 /A
PEST & DISEASE RISK:	Fusarium, Pythium, Rhizoctonia*

TEST COMMENTS:

This site was the first FIRST trial planted this year. Matt, our host farmer, was also planting around the test. A super-wet April followed. It was the wettest April on record, for St. Louis, and this area, in fact. I believe the weather limited the yield potential. There were widespread reports of tassel wrap, particularly with some early maturity hybrids. Yields here ranged from 225 to 280, so a yield spread of ~ 55 bu/a. Great data to see the hybrids' response to multiple stressors.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Taylor	6025 ↗	TRE	117	279.0	18.9	1	32.3	1036	2
Channel	215-70TRERIB ↗	TRE	115	275.3	16.3	1	32.3	1044	1
FS InVision	FS 6757T RIB ↗	TRE	117	275.2	18.1	1	32.0	1028	3
Great Heart	HT-7720TRE ↗	TRE	117	273.2	17.7	1	32.0	1024	4
ProHarvest	84P78 TRERIB ↗	TRE	114	270.3	17.4	1	31.5	1016	6
Taylor	6013 ↗	TRE	113	268.5	16.0	1	31.8	1021	5
Taylor	6015 ↗	TRE	115	268.0	17.6	1	32.8	1005	9
Great Heart	HT-7512PCE ↗	PCE	115	267.7	16.8	1	31.8	1011	7
FS InVision	FS 6447T RIB ↗	TRE	114	264.5	15.5	1	32.3	1009	8
Burrus	8K34 VT2P ↗	VT2P	116	263.3	17.9	1	32.3	986	11
DeKalb	DKC64-22RIB GC ↗	VT2P	114	262.3	16.5	1	32.0	993	10
AgVenture	AV6117PCUE ↗	PCUE	117	261.8	17.1	1	32.0	986	12
Pioneer	P13777PCE GC ↗	PCE	113	261.4	16.9	1	31.5	986	13
AgriGold	A645-16VT2RIB GC ↗	VT2P	115	261.0	18.4	1	32.0	973	21
FS InVision	FS 6545V RIB ↗	VT2P	115	260.7	16.5	1	32.0	986	14
Channel	214-78DGV2PRIB ↗	VT2PDG	114	260.0	16.2	1	32.3	986	15
Green Valley	8353PCE ↗	PCE	113	259.0	15.9	1	32.8	985	16
NuTech	73J1V ↗	VE	113	257.4	15.4	1	32.0	983	17
Taylor	EXP C-116-25 ↗	VT2P	116	256.9	15.8	1	31.5	978	18
Channel	218-66VT2PRIB ↗	VT2P	118	256.8	17.1	1	31.8	967	24
FS InVision	FS 6627T RIB ↗	TRE	116	256.2	15.6	1	32.3	977	19
AgVenture	AV3514AML ↗	AML	114	255.0	15.9	1	32.5	970	22
FS InVision	FS 6349PC RA ↗	PCE	113	253.4	15.2	1	32.3	969	23
Taylor	2215 ↗	PCE	115	252.9	16.1	1	32.0	960	26
Green Valley	8352 ↗	VT2P	113	252.8	15.1	1	32.3	967	25
AgriGold	A643-52VT2RIB GC ↗	VT2P	113	250.6	16.9	1	31.8	945	29
DeKalb	DKC117-78RIB GC ↗	VT2P	117	250.1	16.8	1	31.5	944	30
AgVenture	AV4713PCE ↗	PCE	113	249.6	15.4	1	32.3	953	27
NuTech	73B2V ↗	VE	113	248.7	15.5	1	32.3	949	28
NuTech	77B1PCE ↗	PCE	117	247.6	16.0	1	32.0	941	31
PIONEER	P14830AML CK	AML	114	255.3	15.3	1	32.3	975	20
				Averages = 255.6	16.4	1	32.1	972	
				LSD (0.10) =	9.6	1.0	ns		
				LSD (0.25) =	5.0	0.5	ns		
				C.V. =	4.1				
				Historic yield: 243.2 bu/a, 6 yr(s)					

Yield & Income Factors:

Base Moisture = 15.0%

Shrink = 1.3

Drying = \$0.03

Prices: GMO = \$3.83

† 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. Earthoptics used for soil conditions and soil-borne disease & pest risks. ↗ Links to full product yield results at www.firstseedtests.com.

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Report Date: Sept. 17, 2025

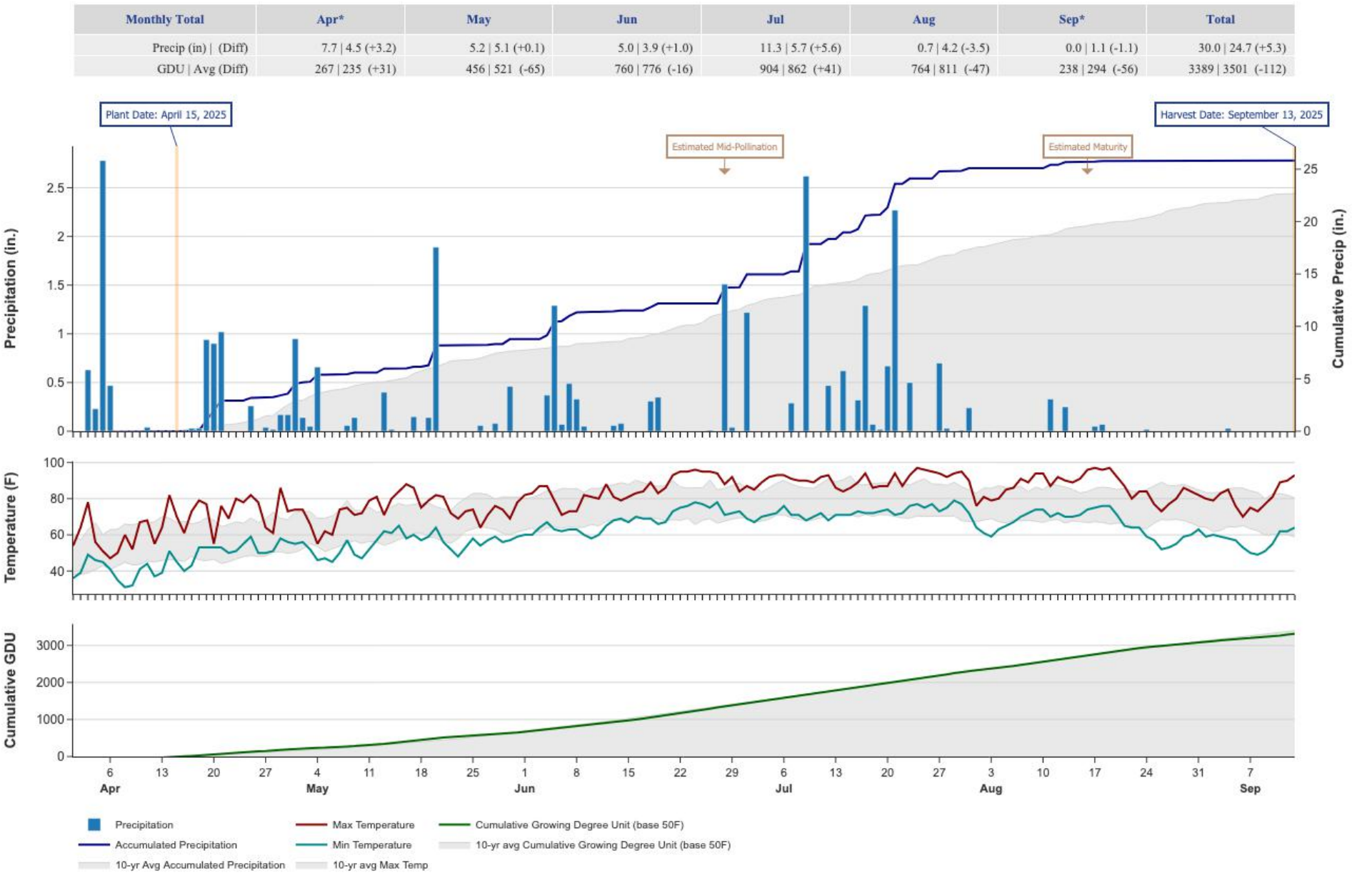
Revised: 09/25/2025 Added historic average yield for location

Additional reports available at www.firstseedtests.com

2025 Corn - Missouri Central [MOCE]

Weather Conditions Summary at PORTAGE DES SIOUX, MO

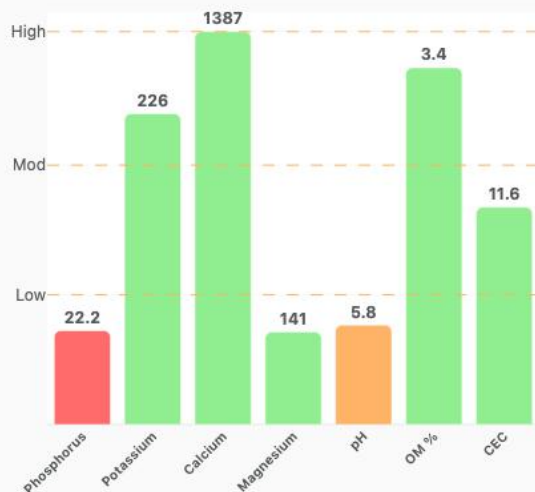
Weather Data Retrieved: 09/25/2025



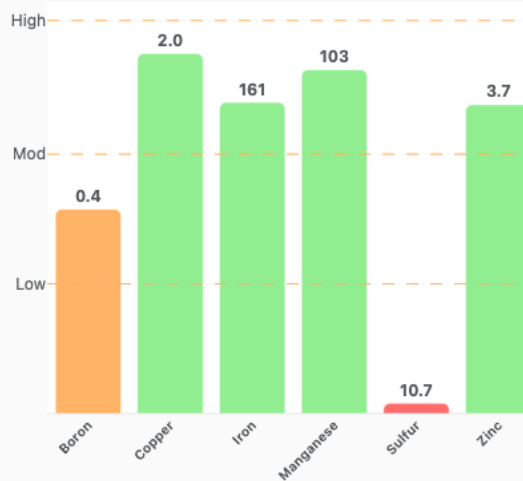
* First monthly total starts on the date 14 days prior to planting and final monthly total ends on the harvest date.

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.

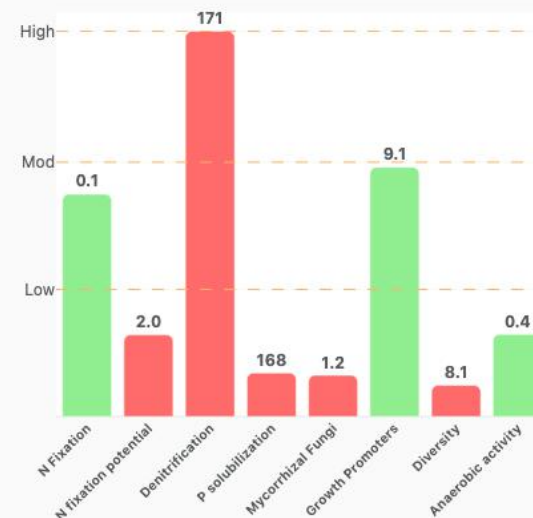
Macronutrients



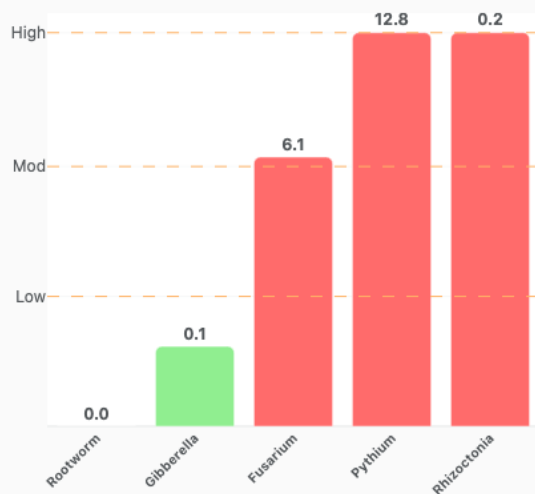
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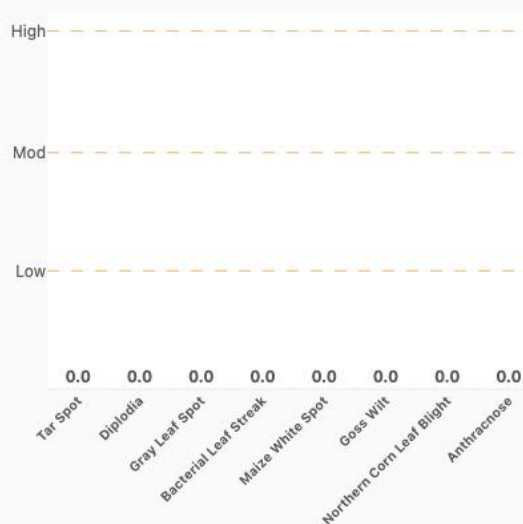
Biofertility Analytics



Below Ground Pest & Disease - Corn



Above Ground Pest & Disease - Corn



More Information

You can find more information about the EarthOptics and soil analytics reported at the following links:

- [Reported Analytics Descriptions](#)
- [Soil Nutrients & Fertility](#)
- [Analytics & Insights](#)
- [EarthOptics](#)

2025 Corn - Missouri Central [MOCE]

Early-Season Test Products (36 Total)

Company/Brand	Product/Brand	Technology	RIB	RM	Seed Treat.
AgVenture	AV1009PCE	PCE	Y	109	Lum, L1
AgVenture	AV4112PCE	PCE	Y	112	Lum, L1
AgVenture	AV6010AM	AM	Y	110	Lum, L1
AgVenture	AV7710PCE	PCE	Y	110	Lum, L1
AgVenture	AV9511PCE	PCE	Y	111	Lum, L1
Burrus	5C11 PCE	PCE	Y	110	BPS
Burrus	POWER PLUS 4V73AM	AM	Y	109	BPS
Channel	209-70TRERIB	TRE	Y	109	AC,P5V,EDC-EL
FS InVision	FS 5947T RIB	TRE	Y	109	AC,P5V,Va
FS InVision	FS 5949PC RA	PCE	Y	109	AC,P5V,Va
FS InVision	FS 6042F RIB	VT4P	Y	110	AC,P5V,Va
FS InVision	FS 6157T RIB	TRE	Y	111	AC,P2
FS InVision	FS 6245V RIB	VT2P	Y	112	AC,P5V,Va
Golden Harvest	G10U97-V GC	V	Y	110	Treated
Golden Harvest	G12U11-AA GC	AA	Y	112	Treated
Great Heart	HT-7210TRERIB	TRE	N	112	F,I,B
Green Valley	8063PCE	PCE	Y	110	Lum,P5V
Merschman	2413C-30 GC	PCE	Y	113	SL
NuTech	69C7PCE	PCE	Y	109	Lum, L1
NuTech	69G1PCE	PCE	Y	109	Lum, L1
NuTech	70F6PCE	PCE	Y	110	Lum, L1
NuTech	71B6PCE	PCE	Y	111	Lum, L1
NuTech	72C1PCE	PCE	Y	112	Lum, L1
Pioneer	P0859AM GC	AM	Y	108	Lum, L1
Pioneer	P1170AM GC	AM	Y	111	Lum, L1
Pioneer	P14830AML CK	AML	Y	114	Lum, L1
ProHarvest	80P75 PCE	PCE	Y	110	CM,C2,Vi
ProHarvest	82P96 PCE	PCE	Y	112	CM,C2,Vi
Taylor	2212	PCE	Y	112	CM,C2,Vi5
Taylor	4412	VT4P	N	112	CM,C2,Vi5
Taylor	8013 VT2PDG	VT2PDG	N*	112	CM,C2,Vi5

* 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.

2025 Corn - Missouri Central [MOCE]

Full-Season Test Products (40 Total)

Company/Brand	Product/Brand	Technology	RIB	RM	Seed Treat.
AgriGold	A643-52VT2RIB GC	VT2P	Y	113	NA
AgriGold	A645-16VT2RIB GC	VT2P	Y	115	NA
AgVenture	AV2116PCE	PCE	Y	116	Lum, L1
AgVenture	AV3514AML	AML	Y	114	Lum, L1
AgVenture	AV4713PCE	PCE	Y	113	Lum, L1
AgVenture	AV6115PCE	PCE	Y	115	Lum, L1
AgVenture	AV6117PCUE	PCUE	Y	117	Lum, L1
Burrus	7B14 PCE	PCE	Y	114	BPS
Burrus	8K34 VT2P	VT2P	Y	116	AC,P5V,EDC-B
Channel	214-78DGV2PRIB	VT2PDG	Y	114	AC,P5V,EDC-B
Channel	215-70TRERIB	TRE	Y	115	AC,P5V,EDC-EL
Channel	218-66VT2PRIB	VT2P	Y	118	AC,P5V,EDC-EL
DeKalb	DKC117-78RIB GC	VT2P	Y*	117	AC,P5V
DeKalb	DKC64-22RIB GC	VT2P	Y	114	AC,P5V
FS InVision	FS 6349PC RA	PCE	Y	113	AC,P5V,Va
FS InVision	FS 6447T RIB	TRE	Y	114	AC,P5V,Va
FS InVision	FS 6545V RIB	VT2P	Y	115	AC,P5V,Va
FS InVision	FS 6627T RIB	TRE	Y	116	AC,P5V,SU
FS InVision	FS 6757T RIB	TRE	Y	117	AC,P5V,EDC-EL
Great Heart	HT-7512PCE	PCE	N	115	F,I,B
Great Heart	HT-7720TRE	TRE	N	117	F,I,B
Green Valley	8352	VT2P	Y	113	Lum,P5V
Green Valley	8353PCE	PCE	Y	113	Lum,P5V
Green Valley	8422	VT2P	Y	114	Lum,P5V
NuTech	73B2V	VE	Y	113	Lum, L1
NuTech	73J1V	VE	Y	113	Lum, L1
NuTech	74A5PCE	PCE	Y	114	Lum, L1
NuTech	75A8PCE	PCE	Y	115	Lum, L1
NuTech	77B1PCE	PCE	Y	117	Lum, L1
Pioneer	P13050AM GC	AM	Y	113	Lum, L1
Pioneer	P13777PCE GC	PCE	Y	113	Lum, L1
Pioneer	P14830AML CK	AML	Y	114	Lum, L1
ProHarvest	84P78 TRERIB	TRE	Y	114	AC,P5V,EDC-EL
Taylor	2215	PCE	N	115	CM,C2,Vi5
Taylor	6013	TRE	Y	113	CM,C2,Vi5
Taylor	6015	TRE	N	115	CM,C2,Vi5
Taylor	6025	TRE	Y	117	CM,C2,Vi5
Taylor	EXP C-116-25	VT2P	N	116	CM,C2,Vi5

* 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.
^	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)
PCE	PowerCore® Enlist®
PCUE	PowerCore® Ultra 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

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

Corn Seed Treatments*

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
AC,P5V,SU	Acceleron® Poncho 500/Votivo, StepUp
AC,P5V,Va	Acceleron® Poncho 500/Votivo, Vayantis®
BPS	Burrus PowerShield
CM,C2,Vi	CruiserMaxx® 250 with Vibrance
CM,C2,Vi5	CruiserMaxx® 250, Vibrance Cinco
F,I,B	Fungicide, Insecticide, Biological
Lum, L1	LumiGEN, Lumisure 1250
Lum,P5V	LumiGEN™ Poncho 500/Votivo
SL	Starting Line - F,I,B,Ne,Nu (Merschman Seeds)
Treated	Treated seed, unspecified

* Seed treatments may include unspecified plant health promoting components.