

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

2025 Corn Grain Top 30 Harvest Report

Missouri North [MONO] CAIRO, MO

Dale & Kyle Samp, Randolph County, MO

Early-Season Test	107 - 112 Day CRM B2025MONO03a
Top 30 of 44	For Gross Income (Sorted by Yield) Average of (4) Replications
PREV. CROP/HERB:	Soybeans / Anthem Maxx, Roundup, Liberty
SOIL DESCRIPTION:	Mexico silt loam, moderately drained, non-irrigated
SOIL CONDITION:	Minimum W/O Fall Till, 5.66 pH, 2.92% OM, 12.06 CEC, high P, medium K, low S, mod. B, mod. Zn
PEST MANAGEMENT:	Roundup, Distinct, Atrazine, Callisto, Veltyma
FERTILITY - Applied N:	150 Fall, 21 Spring, 40 Sidedress, 24lb sulfur
Applied N-P-K (units):	211-0-0
SEEDED - RATE - ROW:	May 14 34.4 /A 30" spacing
HARVESTED - STAND:	Oct 14 33.1 /A
PEST & DISEASE RISK:	Fusarium, Pythium, Diplodia Ear Rot, Maize White Spot*

TEST COMMENTS:

Some corn was planted in April on well-drained soil types in Eastern Missouri this year. However, many more corn acres were planted in May, like this one (especially east of Highway 63 with the claypan soils). The weather conditions were warm, and the seed was quick to emerge. There was adequate rainfall early in the season with a dry bias near the end. The plants stood well with virtually no lodging at harvest. Fungicide was applied at this site. This was an excellent, uniform, and clean test.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
DeKalb	DKC111-35RIB GC ↗	VT2P	111	284.5	16.4	1	33.5	1077	1
AgVenture	AV4112PCE ↗	PCE	112	271.5	15.8	1	33.0	1033	3
FS InVision	FS 5947T RIB ↗	TRE	109	270.0	16.4	1	32.5	1023	4
Taylor	4412 ↗	VT4P	112	266.5	16.3	1	33.3	1010	5
AgriGold	A642-18SS GC ↗	STX	112	264.1	17.0	1	33.0	995	7
NuTech	72C1PCE ↗	PCE	112	262.7	15.7	2	33.3	1001	6
Hoegemeyer	8220PCE ↗	PCE	112	262.2	16.2	2	33.5	994	8
Merschman	2512C-30 GC ↗	PCE	112	259.8	16.5	1	33.0	983	9
FS InVision	FS 6245V RIB ↗	VT2P	112	258.9	16.4	1	33.0	981	11
NuTech	69C7PCE ↗	PCE	109	258.2	15.8	1	33.8	983	10
Channel	209-70TRERIB ↗	TRE	109	255.2	16.3	1	33.5	968	14
ProHarvest	82P62 TRERIB ↗	TRE	112	254.5	15.6	1	32.3	970	13
Burrus	5C11 PCE ↗	PCE	110	254.0	15.6	1	33.3	968	15
Burrus	POWER PLUS 4V73AM ↗	AM	109	254.0	15.2	1	33.3	971	12
Taylor	2212 ↗	PCE	112	253.3	16.1	1	32.0	962	17
AgVenture	AV2208V ↗	VE	108	252.8	15.4	1	33.0	965	16
Channel	212-63VT4PRIB ↗	VT4P	112	252.1	16.0	1	33.0	958	20
FS InVision	FS 6042F RIB ↗	VT4P	110	251.7	15.5	1	33.3	960	18
AgVenture	AV7710PCE ↗	PCE	110	251.5	15.6	1	33.3	958	21
Renk	RK825VT4PRO ↗	VT4P	112	251.3	15.5	1	32.8	959	19
Green Valley	8063PCE ↗	PCE	110	251.1	16.0	1	32.8	954	23
Channel	211-11VT2PRIB ↗	VT2P	111	250.3	16.5	1	33.5	947	26
Wyffels	W7485RIB ↗	TRE	112	250.3	15.4	1	33.5	955	22
FS InVision	FS 6157T RIB ↗	TRE	111	249.9	16.1	1	33.0	949	24
Pioneer	P1170AM GC ↗	AM	111	249.4	16.4	1	33.3	945	28
Wyffels	W7424 ↗	PCE	112	249.3	15.8	1	33.0	949	25
NuTech	70F6PCE ↗	PCE	110	248.8	16.0	1	33.3	946	27
Renk	RK832SSPRO ↗	STXP	113	248.3	15.8	1	33.3	945	29
AgVenture	AV3310V ↗	VE	110	246.9	15.7	1	33.5	940	30
ProHarvest	82P96 PCE ↗	PCE	112	246.8	16.0	1	32.8	938	31
PIONEER	P13777PCE CK	PCE	113	272.9	16.3	1	32.5	1035	2
				Averages =	251.4	15.9	1	33.1	956
				LSD (0.10) =	8.4	0.5	ns		
				LSD (0.25) =	4.4	0.3	ns		
				C.V. =	3.7				
				Historic yield: 206.98 bu/a, 5 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: 10/14/2025

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

2025 Corn Grain Top 30 Harvest Report

Missouri North [MONO] CAIRO, MO

Dale & Kyle Samp, Randolph County, MO

Full-Season Test	113 - 117 Day CRM B2025MONO03b
Top 30 of 44	For Gross Income (Sorted by Yield) Average of (4) Replications
PREV. CROP/HERB:	Soybeans / Anthem Maxx, Roundup, Liberty
SOIL DESCRIPTION:	Mexico silt loam, moderately drained, non-irrigated
SOIL CONDITION:	Minimum W/O Fall Till, 5.66 pH, 2.92% OM, 12.06 CEC, high P, medium K, low S, mod. B, mod. Zn
PEST MANAGEMENT:	Roundup, Distinct, Atrazine, Callisto, Veltyma
FERTILITY - Applied N:	150 Fall, 21 Spring, 40 Sidedress, 24lb sulfur
Applied N-P-K (units):	211-0-0
SEEDED - RATE - ROW:	May 14 34.4 /A 30" spacing
HARVESTED - STAND:	Oct 14 33.2 /A
PEST & DISEASE RISK:	Fusarium, Pythium, Diplodia Ear Rot, Maize White Spot*

TEST COMMENTS:

Some corn was planted in April on well-drained soil types in Eastern Missouri this year. However, many more corn acres were planted in May, like this one (especially east of Highway 63 with the claypan soils). The weather conditions were warm, and the seed was quick to emerge. There was adequate rainfall early in the season with a dry bias near the end. The plants stood well with virtually no lodging at harvest. Fungicide was applied at this site. This was an excellent, uniform, and clean test.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Renk	RK8585TRE ↗	TRE	114	269.1	16.7	1	33.5	1017	1
Taylor	6013 ↗	TRE	113	267.0	16.0	1	33.5	1015	2
Taylor	6015 ↗	TRE	115	266.9	17.0	1	33.5	1006	3
FS InVision	FS 6757T RIB ↗	TRE	117	266.1	18.2	1	33.3	993	6
Wyffels	W7945RIB ↗	TRE	114	262.6	16.5	2	33.8	994	5
Gateway	4914TRE ↗	TRE	114	261.1	16.1	1	33.3	992	7
NuTech	73B2V ↗	VE	113	260.5	16.5	1	32.8	986	8
Channel	215-70TRERIB ↗	TRE	115	259.9	16.5	1	33.0	984	9
Hoegemeyer	8773PCUE GC ↗	PCUE	117	258.9	17.1	1	33.3	975	10
Burrus	8K34 VT2P ↗	VT2P	116	258.5	17.7	1	33.3	970	12
FS InVision	FS 6545V RIB ↗	VT2P	115	258.3	17.0	1	33.5	974	11
Gateway	3916TRE ↗	TRE	116	257.5	17.5	1	34.0	967	13
Becks	6700V2P GC ↗	VT2P	117	254.6	17.8	1	33.3	954	18
Green Valley	8353PCE ↗	PCE	113	254.4	16.3	1	32.0	964	14
AgVenture	AV6117PCUE ↗	PCUE	117	254.0	17.6	1	33.5	953	19
AgriGold	A643-52VT2RIB GC ↗	VT2P	113	253.0	16.5	1	33.3	957	16
Taylor	EXP C-116-25 ↗	VT2P	116	252.7	17.1	1	33.0	952	20
AgVenture	AV5813V ↗	VE	113	252.4	16.1	1	33.5	958	15
ProHarvest	84P14 VT2PRIB ↗	VT2P	114	251.3	17.1	1	33.0	946	22
ProHarvest	85P58 VT2PRIB ↗	VT2P	115	251.0	16.3	1	33.3	951	21
Hoegemeyer	8350PCUE ↗	PCUE	113	250.9	15.6	1	34.0	956	17
AgriGold	A645-30VT2RIB GC ↗	VT2P	115	250.5	18.7	1	32.5	931	29
ProHarvest	84P41 PCE ↗	PCE	114	249.6	16.5	1	33.0	945	23
FS InVision	FS 6627T RIB ↗	TRE	116	248.9	16.8	2	32.8	940	25
NuTech	73A4AM ↗	AM	113	248.8	16.8	1	33.3	940	26
Merschman	2413C-30 GC ↗	PCE	113	248.4	16.6	1	33.3	939	27
FS InVision	FS 6447T RIB ↗	TRE	114	247.9	16.0	1	33.0	942	24
Pioneer	P14830AML GC ↗	AML	114	247.7	17.4	1	33.0	931	30
FS InVision	FS 6349PC RA ↗	PCE	113	247.3	16.4	1	33.5	937	28
Renk	RK889PCE ↗	PCE	113	244.9	16.3	2	33.0	928	31
PIONEER	P13777PCE CK	PCE	113	263.3	16.7	1	33.3	994	4
				Averages = 249.7	16.6	1	33.2	944	
				LSD (0.10) = 8.9	0.6	ns			
				LSD (0.25) = 4.7	0.3	ns			
				C.V. = 3.9					
				Historic yield: 206.98 bu/a, 5 yr(s)					

Yield & Income Factors:

Base Moisture = 15.0%

Shrink = 1.3

Drying = \$0.03

Prices: GMO = \$3.83

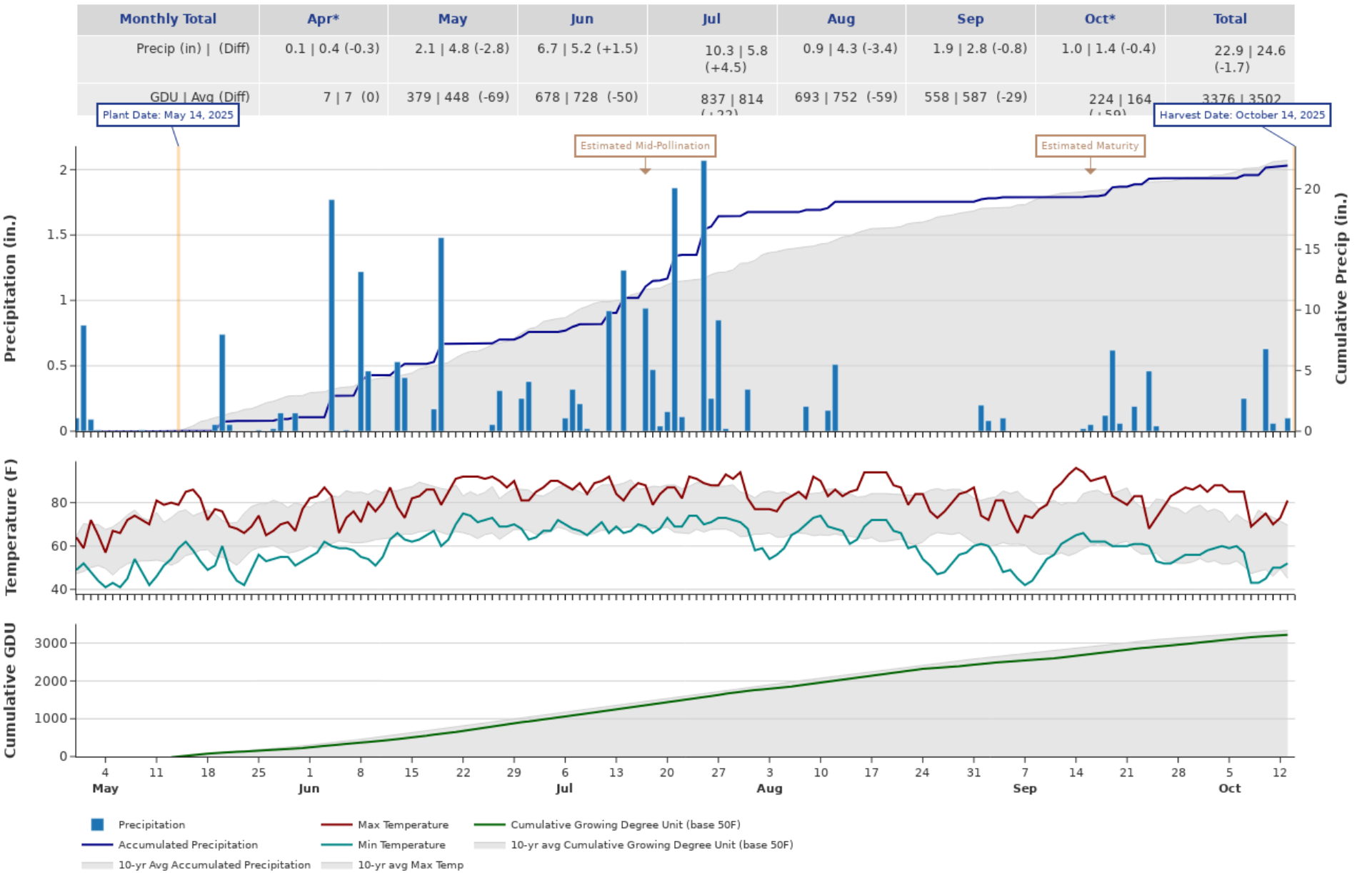
† See last page for abbreviation descriptions. Dark colored row identifies the check product found in early- and full-season tests. **Bold** yields are significantly above test average by LSD(0.10). **Italicized** brands exceed the grain moisture limit for this test. **ns** = column values not significantly 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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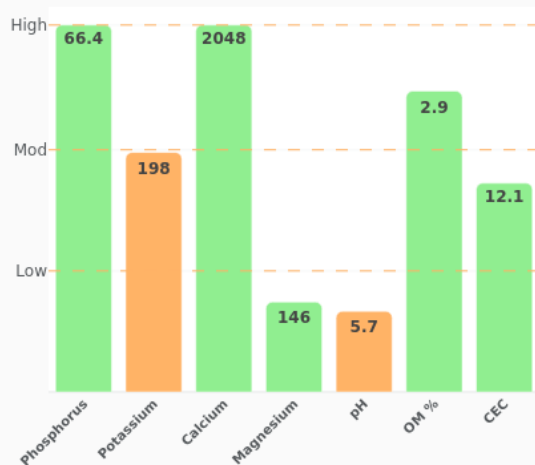
2025 Corn - Missouri North [MONO]
Weather Conditions Summary at CAIRO, MO



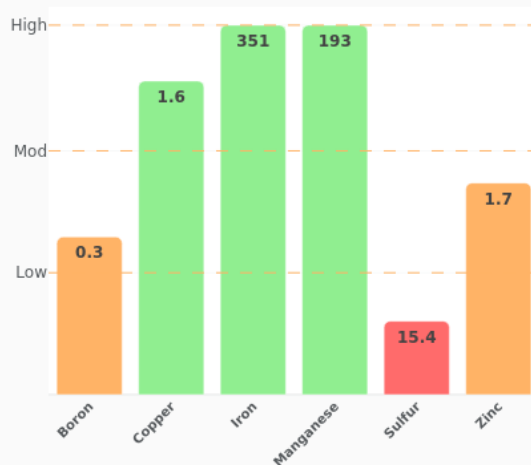
* First monthly total starts on the date 14 days prior to planting and final monthly total ends on the harvest date.

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.

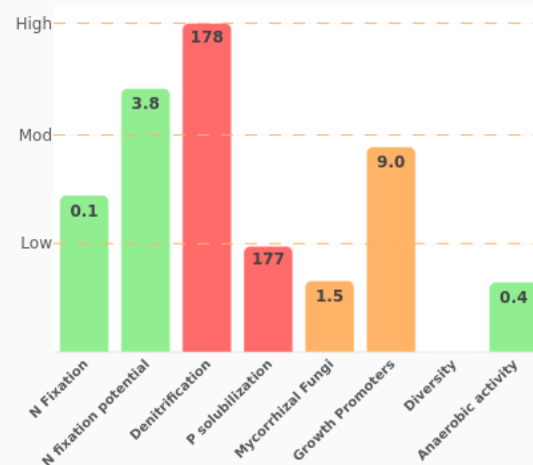
Macronutrients



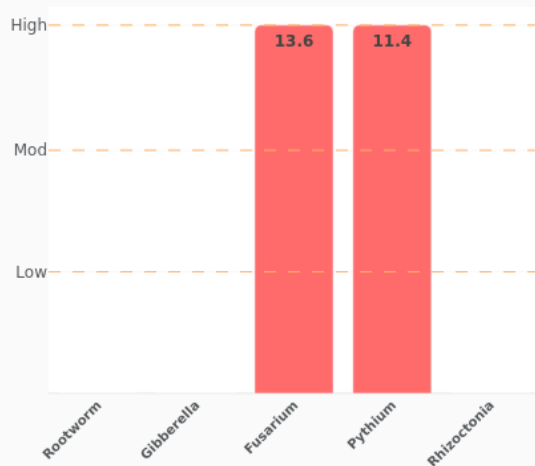
Micronutrients



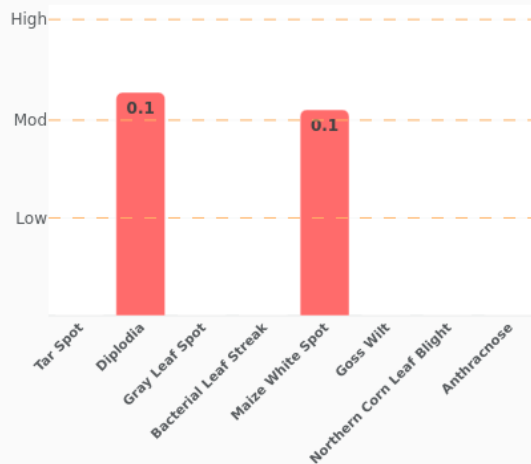
Biofertility Analytics



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 North [MONO]

Early-Season Test Products (44 Total)

Company/Brand	Product/Brand	Technology	RIB	RM	Seed Treat.
AgriGold	A642-18SS	STX	Y	112	NA
AgriGold	A642-32VT2RIB	VT2P	Y*	112	NA
AgVenture	AV2208V	VE	Y	108	Lum, L1
AgVenture	AV3310V	VE	Y	110	Lum, L1
AgVenture	AV4112PCE	PCE	Y	112	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
Channel	211-11VT2PRIB	VT2P	Y	111	AC,P5V,EDC-B
Channel	212-63VT4PRIB	VT4P	Y	112	AC,P1V,EDC-EL
DeKalb	DKC111-35RIB	VT2P	Y*	111	AC,P5V
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
Gateway	5912TRE	TRE	Y	112	AC,P5
Golden Harvest	G10U97-V	V	Y	110	NA
Golden Harvest	G12U11-AA	AA	Y	112	Treated
Green Valley	8063PCE	PCE	Y	110	Lum,P5V
Hoegemeyer	8220PCE	PCE	Y	112	Lum, L1
Merschman	2411C-30	PCE	Y	111	SL
Merschman	2512C-30	PCE	Y	112	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	AM	Y	108	Lum, L1
Pioneer	P1170AM	AM	Y	111	Lum, L1
Pioneer	P13777PCE	PCE	Y	113	Lum, L1
ProHarvest	78P47 PCE	PCE	N	107	Treated
ProHarvest	82P62 TRERIB	TRE	Y	112	AC,P5V,EDC-B
ProHarvest	82P82 VT2P	VT2P	N	112	AC,P5V

Company/Brand	Brand/Product	Technology	RIB	RM	Seed Treat.
ProHarvest	82P96 PCE	PCE	Y	112	CM,C2,Vi
Renk	RK825VT4PRO	VT4P	N	112	AC,P5V,EDC-EL
Renk	RK832SSPRO	STXP	Y*	113	AC,P5V,EDC-EL
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
Wyffels	W7424	PCE	N	112	CM,C2,Vi,Va
Wyffels	W7485RIB	TRE	Y*	112	CM,C2,Vi,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.

2025 Corn - Missouri North [MONO]

Full-Season Test Products (44 Total)

Company/Brand	Product/Brand	Technology	RIB	RM	Seed Treat.
AgriGold	A643-52VT2RIB	VT2P	Y	113	NA
AgriGold	A645-30VT2RIB	VT2P	Y*	115	NA
AgVenture	AV2116PCE	PCE	Y	116	Lum, L1
AgVenture	AV4713PCE	PCE	Y	113	Lum, L1
AgVenture	AV5813V	VE	Y	113	Lum, L1
AgVenture	AV6115PCE	PCE	Y	115	Lum, L1
AgVenture	AV6117PCUE	PCUE	Y	117	Lum, L1
Becks	6700V2P	VT2P	Y	117	Es
Burrus	7B14 PCE	PCE	Y	114	BPS
Burrus	8K34 VT2P	VT2P	Y	116	AC,P5V,EDC-B
Channel	215-70TRERIB	TRE	Y	115	AC,P5V,EDC-EL
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
Gateway	3916TRE	TRE	N	116	AC,P5V
Gateway	4914TRE	TRE	N	114	AC,P5V
Green Valley	8352	VT2P	Y	113	Lum,P5V
Green Valley	8353PCE	PCE	Y	113	Lum,P5V
Green Valley	8422	VT2P	Y	114	Lum,P5V
Hoegemeyer	8350PCUE	PCUE	Y	113	Lum, L1
Hoegemeyer	8773PCUE	PCUE	Y	117	Lum, L1
Merschman	2413C-30	PCE	Y	113	SL
NuTech	73A4AM	AM	Y	113	Lum, L1
NuTech	73B2V	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	P13777PCE	PCE	Y	113	Lum, L1
Pioneer	P14830AML	AML	Y	114	Lum, L1
ProHarvest	83P66 VT2PRIB	VT2P	Y*	113	AC,P5V,EDC-EL
ProHarvest	84P14 VT2PRIB	VT2P	Y	114	AC,P5V,EDC-EL
ProHarvest	84P41 PCE	PCE	Y	114	AC,P5V,EDC-EL
ProHarvest	85P58 VT2PRIB	VT2P	Y	115	AC,P5V,EDC-EL
Renk	RK8585TRE	TRE	N	114	AC,P2

Company/Brand	Brand/Product	Technology	RIB	RM	Seed Treat.
Renk	RK889PCE	PCE	Y	113	Lum
Taylor	6013	TRE	Y	113	CM,C2,Vi5
Taylor	6015	TRE	N	115	CM,C2,Vi5
Taylor	9932	VT2P	Y	115	CM,C2,Vi5
Taylor	9951	VT2P	Y	115	CM,C2,Vi5
Taylor	EXP C-116-25	VT2P	N	116	CM,C2,Vi5
Wyffels	W7876RIB	VT2P	Y	114	CM,C2,Vi,Va
Wyffels	W7945RIB	TRE	Y*	114	CM,C2,Vi,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.
^	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®
STX	SmartStax®
STXP	SmartStax® Pro with RNAi Technology
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,P1V,EDC-EL	Acceleron® ELITE Poncho 1250/Votivo with Enhanced Disease Control
AC,P2	Acceleron® 250
AC,P5	Acceleron® 500
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
CM,C2,Vi,Va	CruiserMaxx® 250 with Vibrance, Vayantis®
Es	Escalate
Lum	LumiGEN™ (Corteva Agriscience)
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.