

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

## 2024 Corn Grain Top 30 Harvest Report

Missouri North [MONO] CAIRO, MO  
Dale & Kyle Samp, Randolph County, MO

<b>Early-Season Test</b>	107 - 112 Day CRM B2024MONO03a
<b>Top 30 of 35</b>	For Gross Income (Sorted by Yield) Average of (4) Replications
<b>PREV. CROP/HERB:</b>	Soybeans / Anthem Maxx, Roundup, Liberty, Clethodim
<b>SOIL DESCRIPTION:</b>	Mexico silt loam, moderately drained, non-irrigated
<b>SOIL CONDITION:</b>	Minimum W/O Fall Till, very high P, high K, 5.9 pH, 2.7% OM, 13.5 CEC
<b>PEST MANAGEMENT:</b>	Roundup, Distinct, Atrazine, Callisto, Force 6g160
<b>FERTILITY - Applied N:</b>	160 Fall, 40 Sidedress, 15# sulfur at sidedress
<b>Applied N-P-K (units):</b>	200-50-80
<b>SEEDED - RATE - ROW:</b>	Apr 22 32.4 /A 30" spacing
<b>HARVESTED - STAND:</b>	Sep 13 31.8 /A

### TEST COMMENTS:

*This is a high-yield environment in North Central Missouri. Too much rain in April caused somewhat slower emergence. The weather cooperated throughout the growing season once the corn did spike. Seed genetics today are special. There was no lodging, and stalk quality was excellent. Hybrids with 4 replicates yielded from 254 – 322. Two years ago, a FIRST trial in this spot averaged 276 bu/ac, and this year beat it. Outstanding trial.*

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Wyffels	W6505 ↗	TRE	110	<b>318.4</b>	19.9	1	31.3	1150	2
Green Valley	EXP8253 ↗	PCE	111	<b>315.9</b>	18.8	1	31.5	1151	1
Taylor	EXP D-112-24 ↗	PCE	112	<b>309.5</b>	19.4	1	31.3	1123	3
FS InVision	FS 6245V RIB ↗	VT2P	112	<b>305.1</b>	21.8	1	31.8	1085	8
Taylor	EXP C-111-24 ↗	VT4P	111	302.7	22.7	1	31.8	1068	11
FS InVision	FS 6042F RIB ↗	VT4P	110	302.4	22.8	1	32.3	1066	12
ProHarvest	X23730 ↗	VT2P	112	301.9	19.4	1	32.3	1095	6
ProHarvest	82P62 TRERIB ↗	TRE	112	300.1	18.5	1	31.8	1097	4
AgVenture	AV3310PCE ↗	PCE	110	299.3	18.1	1	31.8	1097	5
AgVenture	AV4112PCE ↗	PCE	112	298.8	18.5	1	31.5	1092	7
Wyffels	W6886RIB ↗	VT2P	111	297.3	22.6	1	32.0	1050	16
AgVenture	AV9412AM ↗	AM	112	293.8	18.8	1	31.3	1072	10
Taylor	8013 VT2PDG ↗	VT2PDG	112	293.2	22.6	1	32.0	1036	20
Burrus	4W42 PCE ↗	PCE	108	291.5	18.8	1	31.8	1063	13
DeKalb	DKC62-70RIB GC ↗	VT2P	112	290.6	20.0	1	32.3	1049	17
NuTech	69C7PCE ↗	PCE	109	290.2	18.2	1	30.8	1063	14
Burrus	POWER PLUS 4V73AM ↗	AM	109	290.0	18.3	1	31.8	1061	15
FS InVision	FS 6248V RIB ↗	VT2P	112	287.2	18.8	1	31.8	1047	18
NuTech	72C1PCE ↗	PCE	112	285.5	18.8	1	31.8	1041	19
FS InVision	FS 6133VDG RIB ↗	VT2PDG	111	284.3	21.2	1	31.5	1017	26
NK Brand	NK1188-AA ↗	AA	111	282.3	19.5	1	32.3	1024	24
NuTech	71A7V ↗	VE	111	282.2	18.4	1	32.0	1032	21
FS InVision	FS 6137PC RA ↗	PCE	111	282.0	18.6	1	31.5	1030	22
Hoegemeyer	8262PCE GC ↗	PCE	112	281.9	19.4	1	32.0	1023	25
AgVenture	AV6010AM ↗	AM	110	280.9	18.5	1	32.0	1027	23
Green Valley	8233 ↗	PCE	112	278.3	19.3	1	32.3	1011	27
Green Valley	EXP8153 ↗	PCE	111	278.3	19.9	1	32.3	1005	28
NuTech	70B4AM ↗	AM	110	273.9	18.7	1	32.3	1000	29
NuTech	70F6V ↗	VE	110	271.0	17.5	1	32.3	998	30
ProHarvest	80P75 PCE ↗	PCE	110	269.4	18.1	1	31.5	988	31
<b>HOEGEMEYER</b>	<b>8365PCE CK</b>	<b>PCE</b>	<b>113</b>	<b>302.5</b>	<b>21.2</b>	<b>1</b>	<b>32.8</b>	<b>1081</b>	<b>9</b>
				<b>Averages =</b>	<b>288.4</b>	<b>19.6</b>	<b>1</b>	<b>31.8</b>	<b>1044</b>
				LSD (0.10) =	14.9	1.3	ns		
				LSD (0.25) =	7.8	0.7	ns		
				C.V. =	5.7				
				Historic yield: 189.48 bu/a, 5 yr(s)					

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

Report Date: 09/14/2024

† 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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## 2024 Corn Grain Top 30 Harvest Report

Missouri North [MONO] CAIRO, MO

Dale & Kyle Samp, Randolph County, MO

<b>Full-Season Test</b>	113 - 117 Day CRM B2024MONO03b
<b>Top 30 of 36</b>	For Gross Income (Sorted by Yield) Average of (4) Replications
<b>PREV. CROP/HERB:</b>	Soybeans / Anthem Maxx, Roundup, Liberty, Clethodim
<b>SOIL DESCRIPTION:</b>	Mexico silt loam, moderately drained, non-irrigated
<b>SOIL CONDITION:</b>	Minimum W/O Fall Till, very high P, high K, 5.9 pH, 2.7% OM, 13.5 CEC
<b>PEST MANAGEMENT:</b>	Roundup, Distinct, Atrazine, Callisto, Force 6g160
<b>FERTILITY - Applied N:</b>	160 Fall, 40 Sidedress, 15# sulfur at sidedress
<b>Applied N-P-K (units):</b>	200-50-80
<b>SEEDED - RATE - ROW:</b>	Apr 22 32.4 /A 30" spacing
<b>HARVESTED - STAND:</b>	Sep 13 32.1 /A

### TEST COMMENTS:

*This is a high-yield environment in North Central Missouri. Too much rain in April caused somewhat slower emergence. The weather cooperated throughout the growing season once the corn did spike. Seed genetics today are special. There was no lodging, and stalk quality was excellent. Hybrids with 4 replicates yielded from 254 – 322. Two years ago, a FIRST trial in this spot averaged 276 bu/ac, and this year beat it. Outstanding 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>322.3</b>	23.3	1	32.0	1131	1
Taylor	EXP C-115-24 ↗	TRE	115	<b>318.5</b>	24.5	1	32.3	1107	2
Taylor	6015 TRE ↗	TRE	115	<b>309.9</b>	23.8	1	32.0	1083	3
ProHarvest	85P58 VT2PRIB ↗	VT2P	115	<b>303.1</b>	23.4	1	32.0	1064	4
ProHarvest	83P66 VT2PRIB ↗	VT2P	113	300.7	24.2	1	32.3	1048	8
Taylor	9951 ↗	VT2P	115	299.7	23.3	1	32.3	1053	7
Burrus	8M81 TRE ↗	TRE	117	299.0	27.6	1	32.0	1011	21
ProHarvest	84P14 VT2PRIB ↗	VT2P	114	296.4	26.3	1	32.5	1014	17
FS InVision	FS 6395VDG RIB ↗	VT2PDG	113	295.9	25.0	1	32.5	1024	14
Pioneer	P14830AML GC ↗	AML	114	295.7	21.0	1	31.5	1059	6
NuTech	73A4AM ↗	AM	113	295.5	22.9	1	32.3	1041	9
Burrus	6N54 VT2P ↗	VT2P	113	295.4	23.7	1	31.8	1034	10
FS InVision	FS 6545V RIB ↗	VT2P	115	294.5	25.8	1	32.5	1012	20
Taylor	6014 TRE ↗	TRE	114	293.3	26.5	1	32.5	1001	23
NuTech	74A5PCE ↗	PCE	114	292.4	23.0	1	32.5	1029	11
Green Valley	8352 ↗	VT2P	113	292.1	24.6	1	32.5	1014	18
FS InVision	FS 6349PC RA ↗	PCE	113	290.5	22.2	1	32.3	1029	12
NuTech	72D4AM ↗	AM	112	289.7	21.9	1	32.0	1029	13
AgVenture	AV4713PCE ↗	PCE	113	289.4	23.2	1	32.3	1017	15
Wyffels	W8086RIB ↗	VT2P	114	289.3	25.4	1	32.3	997	24
Wyffels	W7945RIB ↗	TRE	114	288.9	26.0	1	32.0	991	25
AgVenture	AV9916AM ↗	AM	116	286.7	22.3	1	32.5	1015	16
AgVenture	AV3514AML ↗	AML	114	285.7	22.0	1	30.8	1014	19
NuTech	73A6AML ↗	AML	113	284.6	22.0	1	32.3	1010	22
Taylor	9913 VT2P ↗	VT2P	113	284.3	25.7	1	31.8	977	26
Green Valley	8422 ↗	VT2P	114	281.2	26.6	1	31.8	960	30
Green Valley	8212 ↗	VT2P	113	278.3	24.4	1	32.3	968	29
Green Valley	8433 ↗	PCE	114	278.0	23.8	1	31.5	972	27
NK Brand	NK1523-V ↗	V	115	276.7	25.3	1	31.8	955	31
AgVenture	AV3213AM ↗	AM	113	274.0	22.1	1	32.3	972	28
HOEGEMEYER	8365PCE CK	PCE	113	296.2	20.7	1	32.0	1063	5
				<b>Averages =</b>	<b>288.7</b>	<b>24.1</b>	<b>1</b>	<b>32.1</b>	<b>1007</b>
				<b>LSD (0.10) =</b>	13.9	1.7	ns		
				<b>LSD (0.25) =</b>	7.3	0.9	ns		
				<b>C.V. =</b>	5.3				
									Historic yield: 189.48 bu/a, 5 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: 09/14/2024

† 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

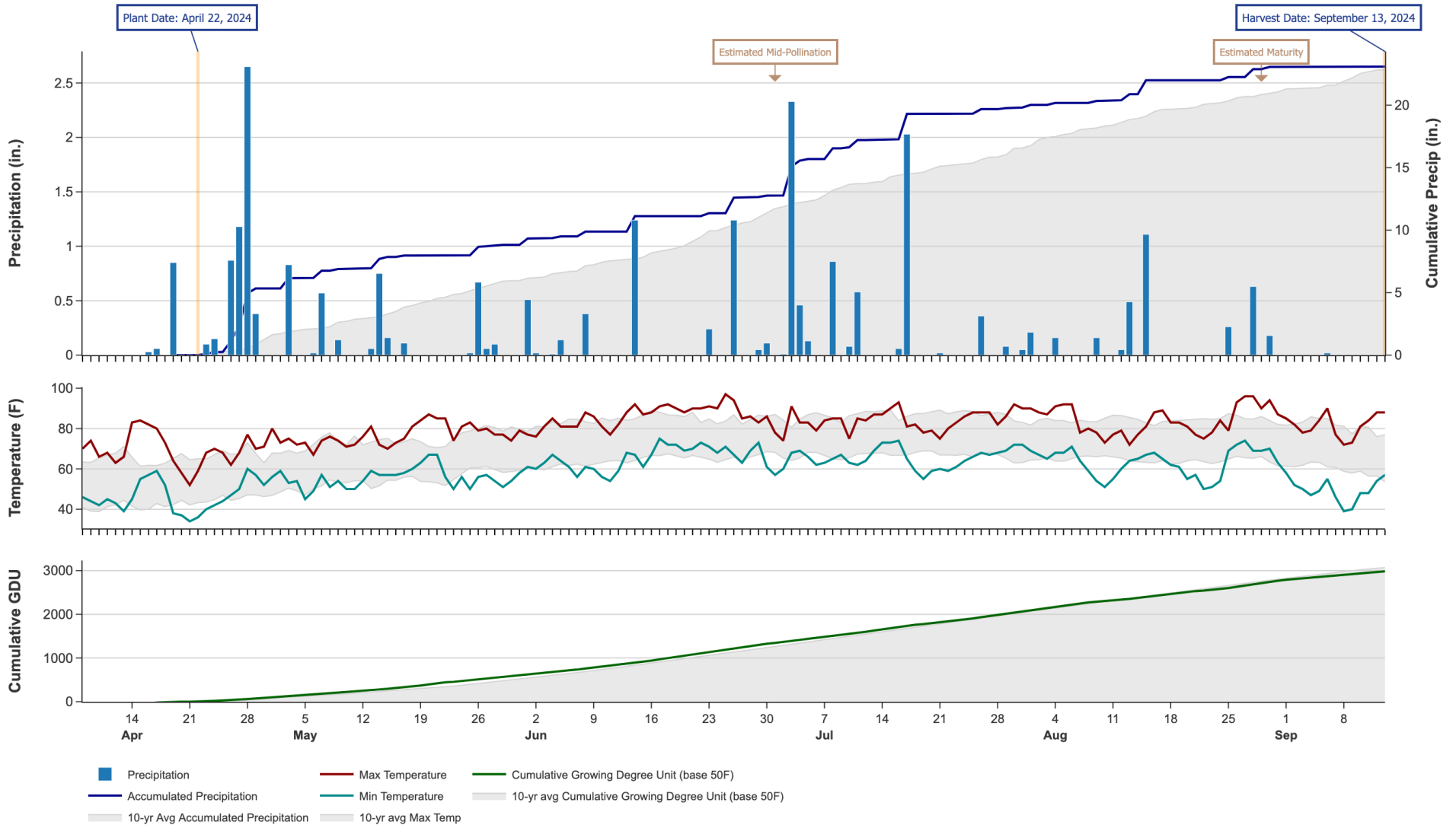
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# 2024 Corn - Missouri North [ MONO ]

## Weather Conditions Summary at CAIRO, MO

Monthly Total	Apr*	May	Jun	Jul	Aug	Sep*	Total
Precip (in)   (Diff)	6.3   2.5 (+3.7)	3.5   4.7 (-1.2)	3.9   5.5 (-1.5)	7.0   5.2 (+1.9)	3.2   4.5 (-1.2)	0.0   1.8 (-1.8)	24.0   24.1 (-0.1)
GDU   Avg (Diff)	234   181 (+52)	502   445 (+56)	738   725 (+12)	743   806 (-63)	698   755 (-57)	214   266 (-52)	3129   3181 (-52)



\* 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 North [ MONO ]

### Early-Season Test Products (35 Total)

Company/Brand	Product/Brand	Technology	RIB	RM	Seed Treat.
AgVenture	AV2208V	VE	Y	108	Lum, L1
AgVenture	AV3310PCE	PCE	Y	110	Lum, L1
AgVenture	AV4112PCE	PCE	Y	112	Lum, L1
AgVenture	AV6010AM	AM	Y	110	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	DKC62-70RIB GC	VT2P	Y	112	AC,P5V
FS InVision	FS 6042F RIB	VT4P	Y	110	AC,P5V,EDC-EL
FS InVision	FS 6133VDG RIB	VT2PDG	Y	111	AC,P5V
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
Green Valley	8233	PCE	N	112	AC,P2
Green Valley	EXP8153	PCE	Y	111	AC,P5V
Green Valley	EXP8253	PCE	Y	111	AC,P5V
Hoegemeyer	8262PCE GC	PCE	Y	112	Lum, L1
Hoegemeyer	8365PCE CK	PCE	Y	113	Lum, L1
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	71A7V	VE	Y	111	LumPro P2
NuTech	72C1PCE	PCE	Y	112	LumPro P2
ProHarvest	80P75 PCE	PCE	Y	110	AC,P2
ProHarvest	82P62 TRERIB	TRE	Y	112	AC,P5V,Va
ProHarvest	X23730	VT2P	N	112	AC,P5V,Va
Taylor	8013 VT2PDG	VT2PDG	N*	112	AC,P2
Taylor	EXP C-111-24	VT4P	N	111	CM,C2
Taylor	EXP D-112-24	PCE	N	112	CM,C2
Wyffels	W6505	TRE	N	110	AC,P5V
Wyffels	W6886RIB	VT2P	Y*	111	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.

## 2024 Corn - Missouri North [ MONO ]

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

Company/Brand	Product/Brand	Technology	RIB	RM	Seed Treat.
AgVenture	AV2816PCE	PCE	Y	116	Lum, L1
AgVenture	AV3213AM	AM	Y	113	Lum
AgVenture	AV3514AML	AML	Y	114	Lum
AgVenture	AV4713PCE	PCE	Y	113	Lum
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
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
Green Valley	8212	VT2P	Y	113	AC,P5V
Green Valley	8352	VT2P	Y	113	AC,P5V
Green Valley	8422	VT2P	Y	114	AC,P2
Green Valley	8433	PCE	N	114	AC,P2
Hoegemeyer	8365PCE CK	PCE	Y	113	Lum, L1
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	P14830AML GC	AML	Y	114	Lum
ProHarvest	83P66 VT2PRIB	VT2P	Y*	113	AC,P5V,Va
ProHarvest	84P14 VT2PRIB	VT2P	Y	114	AC,P5V,Va
ProHarvest	85P58 VT2PRIB	VT2P	Y	115	AC,P5V,Va
Taylor	6014 TRE	TRE	N	114	CM,C2,Vi,Va
Taylor	6015 TRE	TRE	N	115	CM,C2
Taylor	9913 VT2P	VT2P	N	113	CM,C2
Taylor	9951	VT2P	Y	115	CM,C2,Vi,Va
Taylor	EXP C-115-24	TRE	N	115	CM,C2
Wyffels	W7945RIB	TRE	Y*	114	CM,C2,Vi,Va
Wyffels	W8086RIB	VT2P	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

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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

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
AC,P5V,Va	Acceleron® Poncho 500/Votivo, 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,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

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