

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

2024 Corn Grain Top 30 Harvest Report

Missouri North [MONO] MARYVILLE, MO

Thummel Enterprises, Inc., Jeff & Deb Thummel, Nodaway County, MO

Early-Season Test	107 - 112 Day CRM B2024MONO02a
Top 30 of 35	For Gross Income (Sorted by Yield) Average of (4) Replications
PREV. CROP/HERB:	Soybeans / Authority Mtz, Liberty, Dual, Glyphosate, Enlist
SOIL DESCRIPTION:	Colo silty clay loam, mod. poorly drained, non-irrigated
SOIL CONDITION:	No-Till, very high P, medium K, 6.3 pH, 3.1% OM, 17.0 CEC
PEST MANAGEMENT:	Surestart, Laudis, Atrazine, Glyphosate, Excel, Adastrio, Force
FERTILITY - Applied N:	230 Fall, 50 Foliar Rescue, sulfur
Applied N-P-K (units):	280-80-100
SEEDED - RATE - ROW:	Apr 13 32.4 /A 30" spacing
HARVESTED - STAND:	Oct 3 32.2 /A

TEST COMMENTS:

This location is just east of Maryville near the Platte River. There was a quick start to planting for this area. Within 3 days of planting the low temperature was near what the normal high is. July was dry. Austin said, "Too dry, at the wrong time, for too long." He estimates green snap in the area to have affected about 6% of the crop. Green snap was observed during harvest within certain individual plots, and those yields reflected it. Some hybrids certainly held their own. A good trial.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Taylor	EXP C-111-24 ↗	VT4P	111	289.7	17.6	1	32.3	1066	1
Taylor	EXP D-112-24 ↗	PCE	112	278.0	17.5	2	31.8	1024	2
FS InVision	FS 6042F RIB ↗	VT4P	110	276.1	17.6	1	32.3	1017	4
NuTech	71A7V ↗	VE	111	274.3	16.1	1	31.8	1023	3
AgVenture	AV3310PCE ↗	PCE	110	270.5	16.0	1	32.3	1009	6
NuTech	70F6V ↗	VE	110	270.4	16.0	1	31.8	1009	7
Green Valley	EXP8253 ↗	PCE	111	269.4	16.3	1	32.3	1002	8
Hoegemeyer	8262PCE GC ↗	PCE	112	268.3	15.9	2	32.3	1001	9
Taylor	8013 VT2PDG ↗	VT2PDG	112	264.8	16.7	1	32.0	982	11
DeKalb	DKC62-70RIB GC ↗	VT2P	112	262.8	17.0	2	33.0	972	12
Burrus	POWER PLUS 4V73AM ↗	AM	109	262.2	15.4	1	32.3	983	10
Wyffels	W6505 ↗	TRE	110	261.1	16.3	3	32.0	972	13
Burrus	4W42 PCE ↗	PCE	108	260.4	16.2	4	32.3	970	14
Wyffels	W6886RIB ↗	VT2P	111	258.2	17.7	7	32.5	950	16
NuTech	70B4AM ↗	AM	110	258.1	16.5	1	32.5	959	15
NK Brand	NK1228-AA ↗	AA	112	255.1	17.0	1	32.3	944	18
AgVenture	AV6010AM ↗	AM	110	253.9	15.7	2	32.0	950	17
FS InVision	FS 6137PC RA ↗	PCE	111	253.8	17.0	5	32.5	939	21
AgVenture	AV4112PCE ↗	PCE	112	253.7	16.7	3	32.0	941	20
Green Valley	EXP8153 ↗	PCE	111	253.3	16.3	1	32.0	943	19
FS InVision	FS 6248V RIB ↗	VT2P	112	251.3	16.4	5	32.8	934	23
NuTech	72C1PCE ↗	PCE	112	250.3	15.8	2	32.3	935	22
ProHarvest	X23730 ↗	VT2P	112	247.7	16.1	1	31.8	923	24
Green Valley	8233 ↗	PCE	112	245.8	16.0	1	32.8	917	25
FS InVision	FS 6133VDG RIB ↗	VT2PDG	111	245.2	17.5	1	32.5	903	28
NuTech	69C7PCE ↗	PCE	109	244.7	16.0	1	32.0	912	26
AgVenture	AV2208V ↗	VE	108	243.1	15.3	2	31.8	912	27
NK Brand	NK1056-V ↗	V	110	239.0	16.7	1	32.3	886	29
AgVenture	AV9412AM ↗	AM	112	237.6	17.1	6	32.0	879	30
ProHarvest	80P75 PCE ↗	PCE	110	236.1	16.4	3	32.0	878	31
HOEGEMEYER	8365PCE CK	PCE	113	271.8	16.6	3	32.5	1009	5
				Averages =	255.5	16.6	2	32.2	949
				LSD (0.10) =	15.8	0.8	ns		
				LSD (0.25) =	8.3	0.4	ns		
				C.V. =	6.8				
				Historic yield: 200.18 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: 10/03/2024

† 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 Grain Top 30 Harvest Report

Missouri North [MONO] MARYVILLE, MO

Thummel Enterprises, Inc., Jeff & Deb Thummel, Nodaway County, MO

Full-Season Test	113 - 117 Day CRM B2024MONO02b
Top 30 of 36	For Gross Income (Sorted by Yield) Average of (4) Replications
PREV. CROP/HERB:	Soybeans / Authority Mtz, Liberty, Dual, Glyphosate, Enlist
SOIL DESCRIPTION:	Colo silty clay loam, mod. poorly drained, non-irrigated
SOIL CONDITION:	No-Till, very high P, medium K, 6.3 pH, 3.1% OM, 17.0 CEC
PEST MANAGEMENT:	Surestart, Laudis, Atrazine, Glyphosate, Excel, Adastrio, Force
FERTILITY - Applied N:	230 Fall, 50 Foliar Rescue, sulfur
Applied N-P-K (units):	280-80-100
SEEDED - RATE - ROW:	Apr 13 32.4 /A 30" spacing
HARVESTED - STAND:	Oct 3 32.0 /A

TEST COMMENTS:

This location is just east of Maryville near the Platte River. There was a quick start to planting for this area. Within 3 days of planting the low temperature was near what the normal high is. July was dry. Austin said, "Too dry, at the wrong time, for too long." He estimates green snap in the area to have affected about 6% of the crop. Green snap was observed during harvest within certain individual plots, and those yields reflected it. Some hybrids certainly held their own. A good trial.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Pioneer	P14830AML GC ↗	AML	114	296.1	18.0	1	31.8	1086	1
Taylor	9951 ↗	VT2P	115	293.9	20.0	1	31.3	1061	3
NuTech	74A5PCE ↗	PCE	114	292.5	17.4	1	32.0	1079	2
FS InVision	FS 6349PC RA ↗	PCE	113	285.6	17.6	1	32.3	1051	4
NuTech	73A6AML ↗	AML	113	282.9	18.3	1	32.3	1036	5
FS InVision	FS 6545V RIB ↗	VT2P	115	279.5	18.2	8	31.8	1025	7
FS InVision	FS 6395VDG RIB ↗	VT2PDG	113	279.0	18.1	1	31.3	1023	8
Green Valley	8352 ↗	VT2P	113	277.2	18.0	1	31.8	1017	9
ProHarvest	84P14 VT2PRIB ↗	VT2P	114	276.0	18.4	1	31.5	1009	11
AgVenture	AV9916AM ↗	AM	116	275.4	18.9	2	32.3	1003	12
Wyffels	W7945RIB ↗	TRE	114	274.2	18.4	1	32.0	1003	13
AgVenture	AV2816PCE ↗	PCE	116	274.1	18.6	1	32.5	1001	14
AgVenture	AV4713PCE ↗	PCE	113	273.4	17.2	1	32.5	1010	10
AgVenture	AV3514AML ↗	AML	114	272.2	18.4	1	31.5	996	15
FS InVision	FS 6447T RIB ↗	TRE	114	271.1	18.3	1	32.5	992	16
AgVenture	AV3213AM ↗	AM	113	270.0	18.1	1	32.7	990	17
Green Valley	8422 ↗	VT2P	114	268.6	18.5	7	32.8	982	19
Taylor	EXP C-115-24 ↗	TRE	115	268.1	17.9	2	30.3	985	18
ProHarvest	85P58 VT2PRIB ↗	VT2P	115	266.5	18.2	1	32.3	976	20
NuTech	73A4AM ↗	AM	113	263.6	18.2	1	32.8	966	22
Taylor	6014 TRE ↗	TRE	114	261.6	18.6	3	32.0	955	24
Burrus	6N54 VT2P ↗	VT2P	113	261.6	17.1	1	32.0	967	21
NK Brand	NK1523-V ↗	V	115	261.3	21.1	1	32.3	935	27
Taylor	9913 VT2P ↗	VT2P	113	260.9	17.9	1	32.8	958	23
Taylor	6015 TRE ↗	TRE	115	260.4	18.6	2	32.5	951	25
Green Valley	8433 ↗	PCE	114	258.9	18.6	2	32.5	945	26
Wyffels	W8086RIB ↗	VT2P	114	255.6	18.7	9	30.8	932	29
NuTech	75C1PCE ↗	PCE	115	254.2	18.0	1	32.3	933	28
ProHarvest	83P66 VT2PRIB ↗	VT2P	113	253.0	18.4	2	32.3	925	30
NuTech	72D4AM ↗	AM	112	249.3	17.0	1	31.8	923	31
HOEGEMEYER	8365PCE CK	PCE	113	279.0	17.6	1	32.0	1027	6
				Averages =	266.6	18.4	3	32.0	976
				LSD (0.10) =	14.4	0.9	4		
				LSD (0.25) =	7.5	0.5	2		
				C.V. =	5.9				
				Historic yield: 200.18 bu/a, 5 yr(s)					

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

Report Date: 10/03/2024

† 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

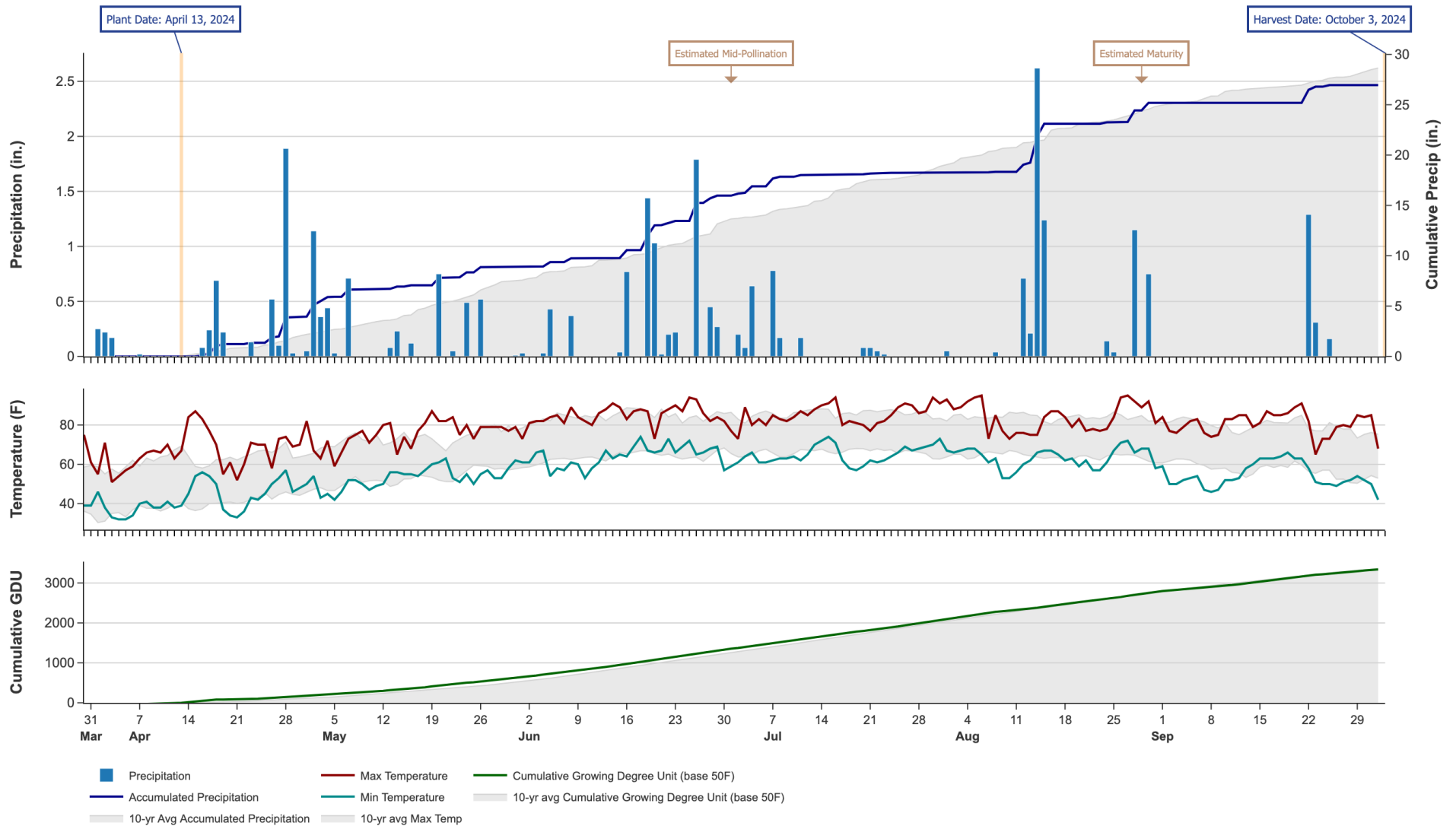
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2024 Corn - Missouri North [MONO]

Weather Conditions Summary at MARYVILLE, MO

Monthly Total	Mar*	Apr	May	Jun	Jul	Aug	Sep	Oct*	Total
Precip (in) (Diff)	0.0 0.2 (-0.2)	4.6 3.3 (+1.3)	5.0 5.5 (-0.5)	7.1 5.8 (+1.3)	2.3 5.5 (-3.2)	7.0 6.0 (+1.0)	1.8 3.5 (-1.7)	0.0 0.3 (-0.3)	27.6 30.1 (-2.5)
GDU Avg (Diff)	18 0 (+18)	234 144 (+89)	456 407 (+48)	716 715 (0)	742 794 (-52)	699 745 (-46)	536 559 (-23)	26 29 (-3)	3427 3395 (+31)



* 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

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

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*

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 nematocide

* Seed treatments may include unspecified plant health promoting components.