

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

2024 Corn Grain Top 30 Harvest Report

Missouri Central [MOCE] NEW FRANKLIN, MO
Randy & Danny Kircher, Howard County, MO 65274

Early-Season Test	107 - 112 Day CRM B2024MOCE03a
Top 30 of 31	For Gross Income (Sorted by Yield) Average of (4) Replications
PREV. CROP/HERB:	Corn / Degree Xtra, Atrazine, Glyphosate
SOIL DESCRIPTION:	Lowmo silt loam, well drained, non-irrigated
SOIL CONDITION:	Conventional W/ Fall Till, very high P, very high K, 5.2 pH, 1.9% OM, 16.2 CEC
PEST MANAGEMENT:	Degree Xtra, Atrazine, Glyphosate, Force 6.5g
FERTILITY - Applied N:	200 Spring
Applied N-P-K (units):	200-70-50
SEEDED - RATE - ROW:	Apr 16 32.4 /A 30" spacing
HARVESTED - STAND:	Sep 17 31.0 /A

TEST COMMENTS:

Planted into warm soil at the leading edge of well-above-average temperatures for April. Good and even emergence followed. Precipitation was plentiful during the critical summer months. Especially noticeable was July, when the trial got over 11" of rainfall. Grain moisture dry-down was quick with the hot and dry conditions present after black layer. No lodging was present.

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	279.6	15.3	1	31.3	1049	1
AgVenture	AV3310PCE ↗	PCE	110	277.5	14.6	1	30.5	1043	2
FS InVision	FS 6245V RIB ↗	VT2P	112	276.3	15.6	1	31.7	1034	3
NuTech	70F6V ↗	VE	110	274.9	14.7	1	30.7	1034	4
Mustang	570PR RIB ↗	VT2P	112	272.3	15.6	1	31.0	1019	5
ProHarvest	80P75 PCE ↗	PCE	110	269.2	14.6	1	31.3	1012	6
Mustang	429PR RIB ↗	VT2P	110	268.4	15.7	1	31.5	1004	9
NuTech	69C7PCE ↗	PCE	109	267.9	15.0	1	31.3	1007	7
DeKalb	DKC111-35RIB GC ↗	VT2P	111	267.4	15.0	1	31.8	1005	8
Burrus	4W42 PCE ↗	PCE	108	266.8	14.7	1	30.8	1003	10
FS InVision	FS 6042F RIB ↗	VT4P	110	263.3	15.6	1	30.5	985	13
AgVenture	AV9412AM ↗	AM	112	263.2	15.0	1	31.3	989	11
NuTech	72C1PCE ↗	PCE	112	262.3	14.8	1	30.8	986	12
Burrus	POWER PLUS 4V73AM ↗	AM	109	261.2	14.7	1	31.3	982	14
FS InVision	FS 5947T RIB ↗	TRE	109	260.1	15.0	1	31.0	978	15
Golden Harvest	G11V76-AA ↗	AA	111	259.1	15.4	1	29.8	971	17
AgVenture	AV6612AM ↗	AM	112	257.6	15.2	1	31.0	967	18
NK Brand	NK1188-AA ↗	AA	111	257.5	15.3	1	31.0	966	19
AgVenture	AV4112PCE ↗	PCE	112	256.8	14.9	1	31.0	966	20
DeKalb	DKC62-70RIB GC ↗	VT2P	112	256.0	15.2	1	30.3	961	21
NK Brand	NK1228-AA ↗	AA	112	254.8	15.1	1	30.5	957	22
FS InVision	FS 6248V RIB ↗	VT2P	112	251.9	15.0	1	31.5	947	23
Golden Harvest	G12U11-AA ↗	AA	112	249.9	15.5	1	30.8	936	24
AgVenture	AV6010AM ↗	AM	110	245.9	14.5	1	31.0	925	25
NuTech	70B4AM ↗	AM	110	245.6	14.8	1	31.0	923	26
ProHarvest	81P65 V ↗	V	111	243.7	14.6	1	30.5	916	27
FS InVision	FS 6137PC RA ↗	PCE	111	242.0	14.5	1	31.3	910	28
NK Brand	NK1056-V ↗	V	110	240.4	14.7	1	31.0	904	29
NK Brand	NK0880-V ↗	V	108	234.8	14.6	1	31.3	883	30
NuTech	72A8AM ↗	AM	112	231.7	15.0	1	30.8	871	31
PIONEER	P13050AM CK	AM	113	259.6	14.9	1	31.3	976	16
				Averages =	258.2	15.0	1	31.0	971
				LSD (0.10) =	15.4	0.3	ns		
				LSD (0.25) =	8.1	0.2	ns		
				C.V. =	6.5				
				Historic yield: 204.43 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: 09/17/2024

† 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 Central [MOCE] NEW FRANKLIN, MO

Randy & Danny Kircher, Howard County, MO 65274

Full-Season Test	113 - 118 Day CRM B2024MOCE03b
Top 30 of 36	For Gross Income (Sorted by Yield) Average of (4) Replications
PREV. CROP/HERB:	Corn / Degree Xtra, Atrazine, Glyphosate
SOIL DESCRIPTION:	Lowmo silt loam, well drained, non-irrigated
SOIL CONDITION:	Conventional W/ Fall Till, very high P, very high K, 5.2 pH, 1.9% OM, 16.2 CEC
PEST MANAGEMENT:	Degree Xtra, Atrazine, Glyphosate, Force 6.5g
FERTILITY - Applied N:	200 Spring
Applied N-P-K (units):	200-70-50
SEEDED - RATE - ROW:	Apr 16 32.4 /A 30" spacing
HARVESTED - STAND:	Sep 17 30.9 /A

TEST COMMENTS:

Planted into warm soil at the leading edge of well-above-average temperatures for April. Good and even emergence followed. Precipitation was plentiful during the critical summer months. Especially noticeable was July, when the trial got over 11" of rainfall. Grain moisture dry-down was quick with the hot and dry conditions present after black layer. No lodging was present.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
FS InVision	FS 6747T RIB ↗	TRE	117	291.9	16.5	1	31.0	1085	1
FS InVision	FS 6545V RIB ↗	VT2P	115	284.9	15.7	1	31.0	1065	2
FS InVision	FS 6447T RIB ↗	TRE	114	280.7	15.6	1	30.3	1050	3
Mustang	93R18 TRE RIB ↗	TRE	118	277.9	16.3	1	30.3	1034	4
Burrus	8M81 TRE ↗	TRE	117	275.1	17.5	1	31.0	1014	7
Great Heart	HT-7500TRE ↗	TRE	115	274.5	16.1	1	30.8	1023	5
Mustang	83A15 TRE RIB ↗	TRE	115	272.7	15.7	1	31.0	1020	6
Taylor	EXP C-117-24 ↗	TRE	117	269.8	15.7	1	30.8	1009	9
NuTech	72D4AM ↗	AM	112	269.8	14.9	1	30.8	1014	8
Burrus	6N54 VT2P ↗	VT2P	113	268.0	15.8	1	31.3	1001	10
ProHarvest	84P78 TRERIB ↗	TRE	114	267.8	15.8	1	31.0	1000	12
FS InVision	FS 6349PC RA ↗	PCE	113	266.7	15.2	1	31.0	1001	11
NuTech	73A4AM ↗	AM	113	263.8	15.5	1	31.0	988	13
Taylor	6015 TRE ↗	TRE	115	263.4	15.4	1	31.0	987	14
AgVenture	AV3514AML ↗	AML	114	262.5	15.8	1	30.3	981	15
AgVenture	AV4713PCE ↗	PCE	113	256.4	15.2	1	31.0	963	16
Mustang	82R14 VT2P RIB ↗	VT2P	114	255.9	15.0	1	31.0	962	17
NuTech	73A6AML ↗	AML	113	254.8	15.2	1	31.3	957	18
DeKalb	DKC117-78RIB GC ↗	VT2P	117	251.3	15.9	1	30.3	938	21
Great Heart	HT-7360VT2P ↗	VT2P	113	251.3	16.1	1	31.3	937	22
NK Brand	NK1523-V ↗	V	115	251.3	15.4	1	31.0	942	20
AgVenture	AV3213AM ↗	AM	113	251.0	16.1	1	31.0	935	23
FS InVision	FS 6395VDG RIB ↗	VT2PDG	113	249.9	16.0	1	31.3	932	24
Taylor	8680 ↗	VT2P	117	248.9	16.0	1	30.8	929	25
AgVenture	AV9515AM ↗	AM	115	247.6	15.6	1	31.5	927	27
DeKalb	DKC64-22RIB GC ↗	VT2P	114	247.6	15.4	1	30.8	928	26
NK Brand	NK1386-VZ ↗	VZ	113	245.4	16.1	1	31.0	915	29
AgVenture	AV9916AM ↗	AM	116	245.1	15.4	1	30.8	918	28
NuTech	74A5PCE ↗	PCE	114	242.3	15.4	1	31.3	908	30
Golden Harvest	G15U34-V ↗	V	115	240.0	15.8	1	31.5	897	31
PIONEER	P13050AM CK	AM	113	253.3	15.6	1	31.0	948	19

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Averages = **256.4** **15.7** **1** **30.9** **959**

LSD (0.10) = 14.7 0.6 ns

LSD (0.25) = 7.7 0.3 ns

C.V. = 6.3

Historic yield: 204.43 bu/a, 5 yr(s)

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

Report Date: 09/17/2024

† 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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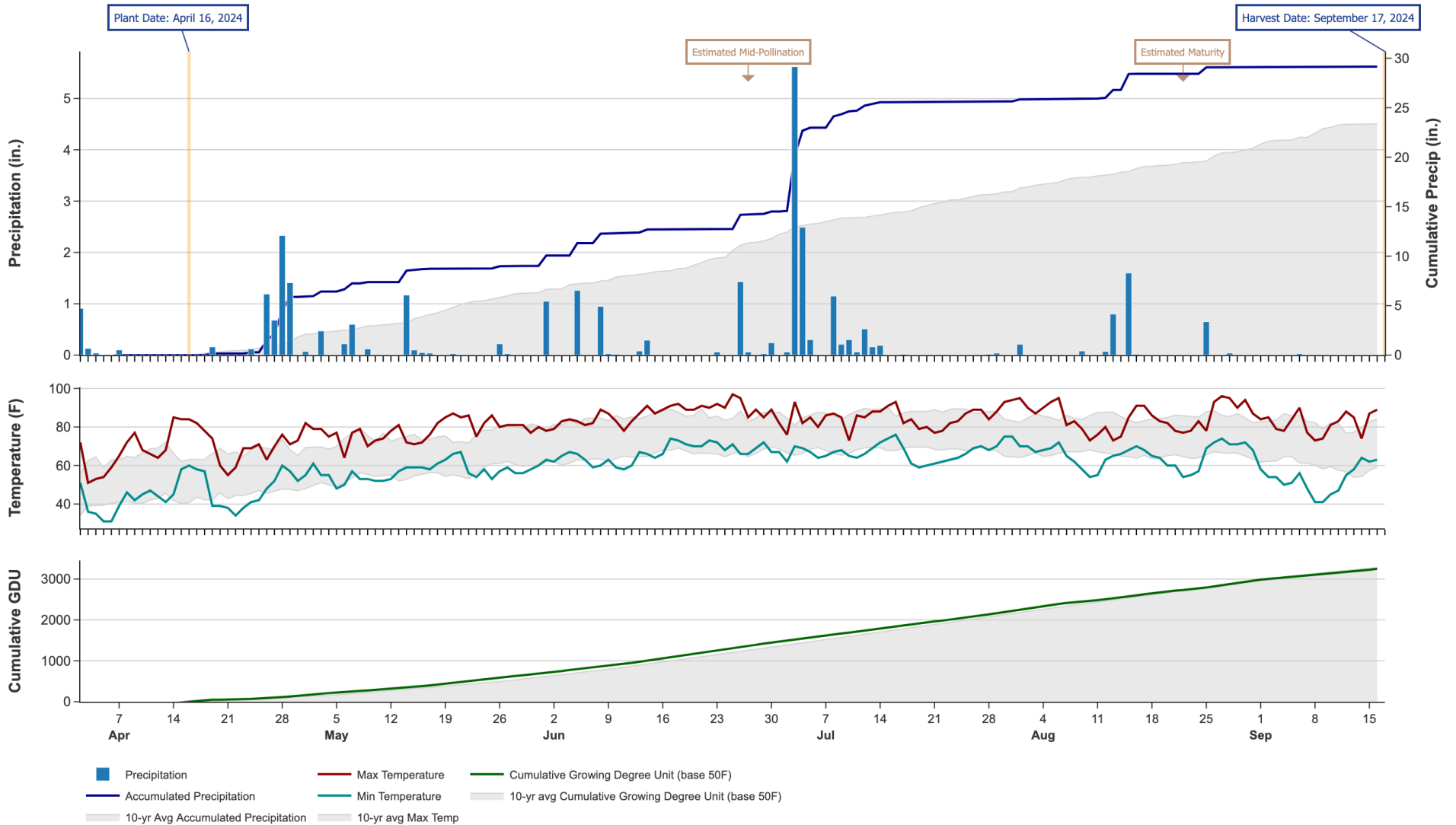
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2024 Corn - Missouri Central [MOCE]

Weather Conditions Summary at NEW FRANKLIN, MO

Weather Data Retrieved: 09/17/2024

Monthly Total	Apr*	May	Jun	Jul	Aug	Sep*	Total
Precip (in) (Diff)	7.1 3.7 (+3.4)	3.1 4.5 (-1.3)	5.5 5.5 (0.0)	11.1 4.7 (+6.4)	3.5 4.4 (-0.9)	0.0 2.5 (-2.4)	30.3 25.2 (+5.1)
GDU Avg (Diff)	278 220 (+57)	544 471 (+72)	761 743 (+17)	779 827 (-48)	738 781 (-43)	288 335 (-47)	3388 3379 (+8)



* 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

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
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

* Seed treatments may include unspecified plant health promoting components.