

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

2024 Corn Grain Top 30 Harvest Report

Missouri Central [MOCE] CONCORDIA, MO
Bruce Strobel, Lafayette County, MO 64020

Early-Season Test	107 - 112 Day CRM B2024MOCE01a
Top 30 of 31	For Gross Income (Sorted by Yield) Average of (4) Replications
PREV. CROP/HERB:	Soybeans / Anthem Maxx, Enlist
SOIL DESCRIPTION:	Haig silt loam, mod. poorly drained, irrigated
SOIL CONDITION:	No-Till, very high P, medium K, 5.9 pH, 2.9% OM, 13.9 CEC
PEST MANAGEMENT:	Atrazine, Stalwart, Roundup, Autumn Super, Force
FERTILITY - Applied N:	205 Spring
Applied N-P-K (units):	205-46-60
SEEDED - RATE - ROW:	Apr 20 32.4 /A 30" spacing
HARVESTED - STAND:	Sep 30 30.4 /A

TEST COMMENTS:

This plot was planted in a no-till seedbed. Historically speaking, it was quite dry for mid-April planting. That changed when over 6" of rain fell during the next 10 days. Cold and wet conditions after planting caused non-uniform stand establishment, including ponding across the field. Still irrigation and some rain provided adequate moisture later in the season. Light disease pressure came in late, but did not appear to affect yield. The full-season test was rejected due to ponding causing poor stands in that area of the field.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
DeKalb	DKC62-70RIB GC ↗	VT2P	112	281.2	16.0	1	30.5	1049	1
Burrus	POWER PLUS 4V73AM ↗	AM	109	277.3	14.8	1	32.0	1043	2
Taylor	EXP C-111-24 ↗	VT4P	111	271.0	18.0	1	30.8	995	6
AgVenture	AV4112PCE ↗	PCE	112	270.0	15.9	1	29.3	1007	4
ProHarvest	80P75 PCE ↗	PCE	110	269.0	15.7	1	28.3	1006	5
AgVenture	AV9412AM ↗	AM	112	265.3	16.9	1	32.3	982	10
FS InVision	FS 6245V RIB ↗	VT2P	112	264.2	19.0	1	31.0	962	13
Mustang	570PR RIB ↗	VT2P	112	264.1	16.2	1	31.7	984	9
Burrus	4W42 PCE ↗	PCE	108	263.9	15.4	1	25.0	989	7
FS InVision	FS 6137PC RA ↗	PCE	111	262.3	15.1	1	31.0	986	8
NuTech	70F6V ↗	VE	110	261.4	15.9	1	32.0	976	11
DeKalb	DKC111-35RIB GC ↗	VT2P	111	261.2	17.4	1	32.5	964	12
Mustang	429PR RIB ↗	VT2P	110	258.8	16.7	1	31.8	960	14
FS InVision	FS 6042F RIB ↗	VT4P	110	255.9	17.8	1	31.7	941	20
NK Brand	NK1188-AA ↗	AA	111	254.9	15.9	1	32.3	952	16
FS InVision	FS 5947T RIB ↗	TRE	109	254.8	15.9	1	31.5	951	18
Golden Harvest	G12U11-AA ↗	AA	112	254.6	15.7	1	31.5	952	17
NuTech	72C1PCE ↗	PCE	112	253.6	15.1	1	29.5	953	15
NuTech	70B4AM ↗	AM	110	252.9	15.5	1	28.7	947	19
NuTech	69C7PCE ↗	PCE	109	247.8	15.7	1	31.0	927	21
ProHarvest	81P65 V ↗	V	111	245.4	16.0	1	29.8	916	23
AgVenture	AV6010AM ↗	AM	110	244.6	15.1	1	31.3	919	22
AgVenture	AV6612AM ↗	AM	112	243.9	16.6	1	30.5	906	24
NK Brand	NK1228-AA ↗	AA	112	240.4	16.7	1	32.0	892	26
Golden Harvest	G11V76-AA ↗	AA	111	239.8	16.2	1	26.8	893	25
NK Brand	NK0880-V ↗	V	108	238.8	15.8	1	31.5	892	27
NK Brand	NK1056-V ↗	V	110	237.2	15.7	1	31.3	887	28
AgVenture	AV3310PCE ↗	PCE	110	235.5	15.6	1	28.5	881	29
NuTech	72A8AM ↗	AM	112	225.0	16.2	1	29.7	838	31
FS InVision	FS 6248V RIB ↗	VT2P	112	224.7	15.7	1	27.3	840	30
PIONEER	P13050AM CK	AM	113	268.9	15.4	1	31.0	1008	3
				Averages =	254.4	16.2	1	30.4	948
				LSD (0.10) =	15.4	1.0	ns		
				LSD (0.25) =	8.1	0.5	ns		
				C.V. =	6.6				
				Historic yield: 187.79 bu/a, 4 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: 10/02/2024

† 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] CONCORDIA, MO

Bruce Strobel, Lafayette County, MO 64020

Full-Season Test 113 - 118 Day CRM
B2024MOCE01b

Top 30 of 36 For Gross Income
(Sorted by Yield)
Average of (4) Replications

PREV. CROP/HERB: Soybeans / Anthem Maxx, Enlist

SOIL DESCRIPTION: Haig silt loam, mod. poorly
drained, irrigated

SOIL CONDITION: No-Till, very high P, medium K,
5.9 pH, 2.9% OM, 13.9 CEC

PEST MANAGEMENT: Atrazine, Stalwart, Roundup,
Autumn Super, Force

FERTILITY - Applied N: 205 Spring

Applied N-P-K (units): 205-46-60

SEEDED - RATE - ROW: Apr 20 32.4 /A 30" spacing

HARVESTED - STAND: Sep 30 29.5 /A

TEST COMMENTS:

This plot was planted in a no-till seedbed. Historically speaking, it was quite dry for mid-April planting. That changed when over 6" of rain fell during the next 10 days. Cold and wet conditions after planting caused non-uniform stand establishment, including ponding across the field. Still irrigation and some rain provided adequate moisture later in the season. Light disease pressure came in late, but did not appear to affect yield. The full-season test was rejected due to ponding causing poor stands in that area of the field.

Company/Brand	Product/Brand	Seeds/†	GR	Yield Bu/A	Moisture %	Shrinking %	Stand (x 1000)	Gross Income \$/Acre	Rank
FG	AGRO 118	113	114	247.8	18.5	1	29.5	909	1
AgriGen	AGRO 118	113	114	247.8	18.5	1	29.5	909	2
AgriGen	AGRO 118	113	114	247.8	18.5	1	29.5	909	3
AgriGen	AGRO 118	113	114	247.8	18.5	1	29.5	909	4
AgriGen	AGRO 118	113	114	247.8	18.5	1	29.5	909	5
AgriGen	AGRO 118	113	114	247.8	18.5	1	29.5	909	6
AgriGen	AGRO 118	113	114	247.8	18.5	1	29.5	909	7
AgriGen	AGRO 118	113	114	247.8	18.5	1	29.5	909	8
AgriGen	AGRO 118	113	114	247.8	18.5	1	29.5	909	9
AgriGen	AGRO 118	113	114	247.8	18.5	1	29.5	909	10
AgriGen	AGRO 118	113	114	247.8	18.5	1	29.5	909	11
AgriGen	AGRO 118	113	114	247.8	18.5	1	29.5	909	12
AgriGen	AGRO 118	113	114	247.8	18.5	1	29.5	909	13
AgriGen	AGRO 118	113	114	247.8	18.5	1	29.5	909	14
AgriGen	AGRO 118	113	114	247.8	18.5	1	29.5	909	15
AgriGen	AGRO 118	113	114	247.8	18.5	1	29.5	909	16
AgriGen	AGRO 118	113	114	247.8	18.5	1	29.5	909	17
AgriGen	AGRO 118	113	114	247.8	18.5	1	29.5	909	18
AgriGen	AGRO 118	113	114	247.8	18.5	1	29.5	909	19
AgriGen	AGRO 118	113	114	247.8	18.5	1	29.5	909	20
AgriGen	AGRO 118	113	114	247.8	18.5	1	29.5	909	21
AgriGen	AGRO 118	113	114	247.8	18.5	1	29.5	909	22
AgriGen	AGRO 118	113	114	247.8	18.5	1	29.5	909	23
AgriGen	AGRO 118	113	114	247.8	18.5	1	29.5	909	24
AgriGen	AGRO 118	113	114	247.8	18.5	1	29.5	909	25
AgriGen	AGRO 118	113	114	247.8	18.5	1	29.5	909	26
AgriGen	AGRO 118	113	114	247.8	18.5	1	29.5	909	27
AgriGen	AGRO 118	113	114	247.8	18.5	1	29.5	909	28
AgriGen	AGRO 118	113	114	247.8	18.5	1	29.5	909	29
AgriGen	AGRO 118	113	114	247.8	18.5	1	29.5	909	30

REJECTED

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Averages =	247.8	18.5	1	29.5	909
LSD (0.10) =	ns	1.6	ns		
LSD (0.25) =	ns	0.8	ns		
C.V. =	10.4				Historic yield: 187.79 bu/a, 4 yr(s)

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

Report Date: 10/02/2024

† 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

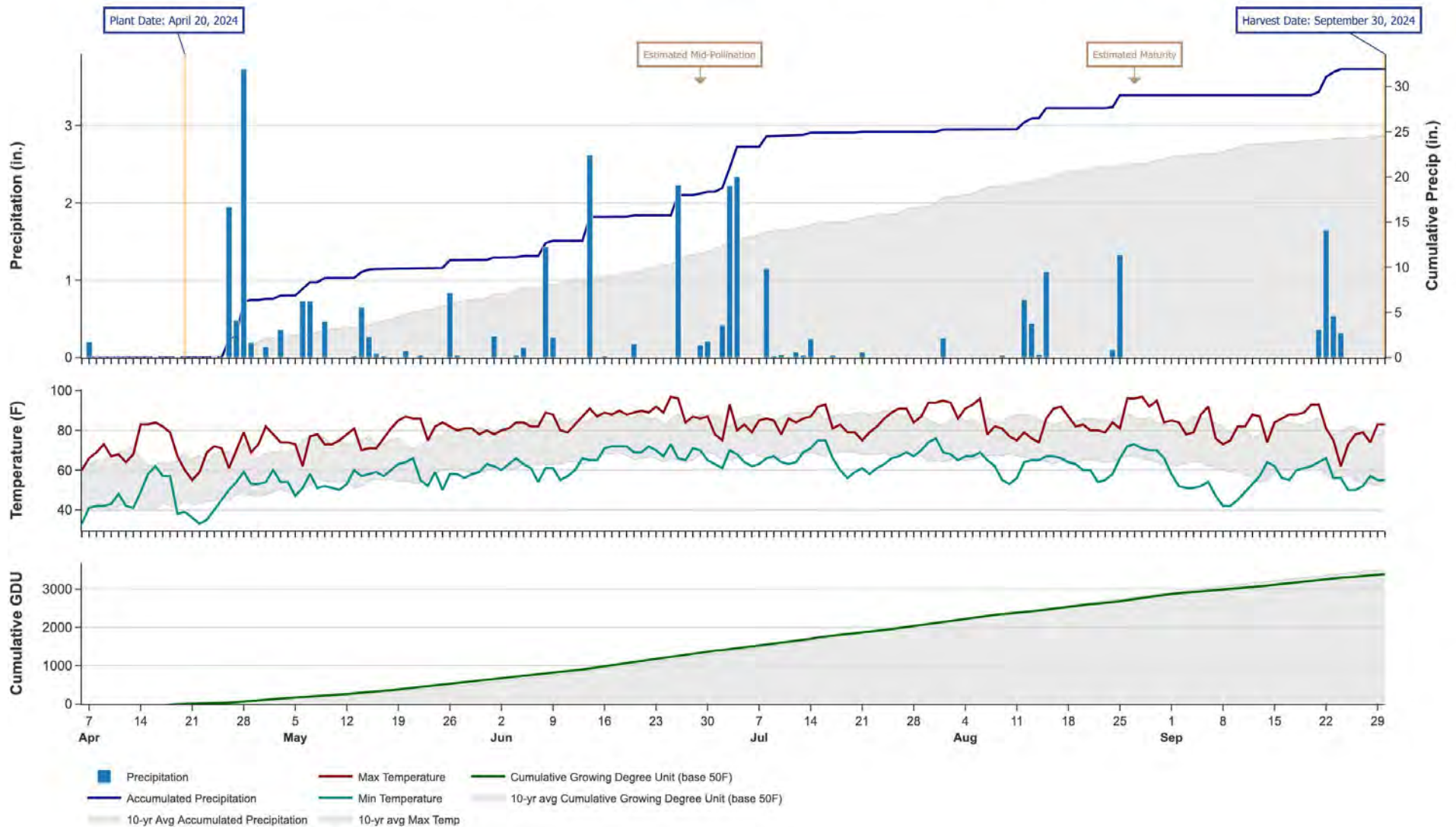
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2024 Corn - Missouri Central [MOCE]

Weather Conditions Summary at CONCORDIA, MO

Monthly Total	Apr*	May	Jun	Jul	Aug	Sep*	Total
Precip (in) (Diff)	6.6 3.0 (+3.6)	4.4 4.7 (-0.3)	7.5 5.2 (+2.3)	6.6 5.3 (+1.3)	4.0 4.9 (-0.9)	2.9 2.6 (+0.3)	32.1 25.8 (+6.4)
GDU Avg (Diff)	265 206 (+58)	532 460 (+71)	747 739 (+7)	756 823 (-67)	728 781 (-53)	540 607 (-67)	3568 3619 (-51)



* 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.