

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

2024 Corn Grain Top 30 Harvest Report

Missouri North [MONO] ST. JOSEPH, MO

Jeff Gaskill, Buchanan County, MO 64098

Early-Season Test 107 - 112 Day CRM
B2024MONO01a

Top 30 of 35 For Gross Income
(Sorted by Yield)
Average of (4) Replications

PREV. CROP/HERB: Corn / Fulltime Nxt, Atrazine, Armezon

SOIL DESCRIPTION: Waldron silty clay loam, moderately drained, non-irrigated

SOIL CONDITION: Conventional W/ Fall Till, very high P, very high K, 7.7 pH, 2.1% OM, 24.0 CEC

PEST MANAGEMENT: Fulltime Nxt, Atrazine, Armezon, Trevo Trz Drv, Force 6.5g

FERTILITY - Applied N: 180 Fall

Applied N-P-K (units): 180-40-60

SEEDED - RATE - ROW: Apr 24 34.7 /A 30" spacing

HARVESTED - STAND: Sep 18 32.4 /A

TEST COMMENTS:

This was a corn-on-corn Missouri river bottom trial. Excess rainfall on saturated soils upriver caused concern early in the summer. Although almost a breached situation, the levee did hold. Soil and root zones were saturated for a period. Trent was getting record corn yields on his farm this fall on other fields. I believe the over-saturated soil took some top end off. Still a very good trial. The early-season test was rejected due to the saturated soils in that part of the plot causing high yield variability among the hybrid replicates.

Company/Brand	Product/Brand	Seeds / Row	Moisture %	Yield Bu/A	Moisture %	Yield Bu/A	Moisture %	Yield Bu/A	Gross Income \$/Acre	Rank
FB Invision	FB 6248V RB +	VTGP	112	247.7	14.2	1	32.0	851	1	
Bonus	POWER PLUS 4070M +	400	108	246.1	13.7	1	32.3	825	2	
HyFlex	72CPC2 +	PCE	112	241.8	14.2	1	32.8	808	3	
Topix	8013 VTGP03 +	VTGP03	112	238.3	14.1	1	31.7	860	4	
Green Valley	EXP102 +	PCE	111	236.7	13.8	1	31.0	866	5	
Bonus	4942 PCE +	PCE	108	236.5	14.1	1	31.3	862	6	
Agriculture	AUT120M +	400	112	236.2	14.3	1	32.0	862	7	
Agriculture	AUT120PCE +	PCE	112	236.0	14.2	1	32.0	860	8	
DeLub	50000 TORB GC +	50000	112	234.1	14.0	1	32.8	860	9	
Agriculture	AUT120PCE +	PCE	112	233.9	14.2	1	32.3	860	10	
HyFlex	84CPC2 +	PCE	108	233.8	13.8	1	32.8	870	11	
FB Invision	FB 6120V03 RB +	VTGP03	112	230.1	14.4	1	32.0	867	12	
ProHarvest	8075 PCE +	PCE	112	229.9	13.8	1	32.8	867	13	
FB Invision	FB 6248V RB +	VTGP	112	229.3	14.0	1	32.0	866	14	
HyFlex	80000P2 +	PCE	112	228.9	14.4	1	32.0	853	15	
MR Brand	MR1208AA +	400	112	228.5	14.0	1	32.8	851	16	
FB Invision	FB 6248V RB +	VTGP	112	228.3	13.8	1	31.3	846	18	
HyFlex	7075V +	PCE	110	228.0	13.8	1	32.3	842	19	
HyFlex	80000	790	110	223.4	14.0	1	32.0	840	20	
ProHarvest	8075	790	112	223.3	14.0	1	32.0	840	21	
FB Invision	FB 6120V03 RB +	PCE	111	222.0	13.8	1	31.8	838	22	
Green Valley	8233 +	PCE	112	221.3	14.2	1	32.0	832	23	
ProHarvest	8000PCE GC +	PCE	112	219.8	14.2	1	32.8	826	24	
ProHarvest	8237M +	VTGP	112	218.7	13.7	1	32.8	822	25	
HyFlex	7147V +	VE	111	218.6	14.1	1	32.0	814	26	
MR Brand	MR1208V +	V	110	218.2	14.1	1	32.0	813	27	
HyFlex	7084M +	400	110	215.8	14.1	1	32.0	811	28	
Green Valley	EXP102 +	PCE	111	214.8	13.8	1	32.0	807	29	
Topix	EXP C 111 24 +	VTGP	111	213.8	14.0	1	32.3	804	30	
Topix	EXP D 112 24 +	PCE	112	213.8	14.0	1	32.3	804	31	

REJECTED

Averages = **225.6** 14.0 1 32.4 848

LSD (0.10) = ns 0.3 ns

LSD (0.25) = ns 0.2 ns

C.V. = 8.9

Historic yield: 223.07 bu/a, 7 yr(s)

William Schelp

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: 09/20/2024

† 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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Missouri North [MONO] ST. JOSEPH, MO
Jeff Gaskill, Buchanan County, MO 64098

Full-Season Test	113 - 117 Day CRM B2024MONO01b
Top 30 of 36	For Gross Income (Sorted by Yield) Average of (4) Replications
PREV. CROP/HERB:	Corn / Fulltime Nxt, Atrazine, Armezon
SOIL DESCRIPTION:	Waldron silty clay loam, moderately drained, non- irrigated
SOIL CONDITION:	Conventional W/ Fall Till, very high P, very high K, 7.7 pH, 2.1% OM, 24.0 CEC
PEST MANAGEMENT:	Fulltime Nxt, Atrazine, Armezon, Trevu Trz Drv, Force 6.5g
FERTILITY - Applied N:	180 Fall
Applied N-P-K (units):	180-40-60
SEEDED - RATE - ROW:	Apr 24 34.7 /A 30" spacing
HARVESTED - STAND:	Sep 18 32.2 /A

TEST COMMENTS:

This was a corn-on-corn Missouri river bottom trial. Excess rainfall on saturated soils upriver caused concern early in the summer. Although almost a breached situation, the levee did hold. Soil and root zones were saturated for a period. Trent was getting record corn yields on his farm this fall on other fields. I believe the over-saturated soil took some top end off. Still a very good trial. The early-season test was rejected due to the saturated soils in that part of the plot causing high yield variability among the hybrid replicates.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Taylor	EXP C-115-24 ↗	TRE	115	276.3	15.3	1	32.0	1036	1
Pioneer	P14830AML GC ↗	AML	114	268.8	15.3	1	32.0	1008	2
NuTech	73A6AML ↗	AML	113	268.7	15.9	1	32.0	1003	4
Taylor	6015 TRE ↗	TRE	115	267.9	15.7	1	32.3	1002	5
FS InVision	FS 6545V RIB ↗	VT2P	115	267.4	15.2	1	32.8	1004	3
Burrus	8M81 TRE ↗	TRE	117	265.7	16.3	1	32.7	989	6
FS InVision	FS 6747T RIB ↗	TRE	117	265.1	15.9	1	32.5	989	7
AgVenture	AV3514AML ↗	AML	114	264.6	15.9	1	32.0	988	8
Wyffels	W8086RIB ↗	VT2P	114	263.3	15.5	1	32.8	986	9
ProHarvest	83P66 VT2PRIB ↗	VT2P	113	261.2	15.5	1	32.0	977	10
ProHarvest	85P58 VT2PRIB ↗	VT2P	115	260.6	15.8	1	32.5	973	11
AgVenture	AV9916AM ↗	AM	116	258.9	15.9	1	31.8	966	12
FS InVision	FS 6395VDG RIB ↗	VT2PDG	113	256.7	15.3	1	32.7	963	14
ProHarvest	84P14 VT2PRIB ↗	VT2P	114	256.5	15.0	1	32.5	964	13
Wyffels	W7945RIB ↗	TRE	114	255.6	15.3	1	32.5	959	15
NuTech	72D4AM ↗	AM	112	255.1	15.4	1	31.8	956	16
NK Brand	NK1386-VZ ↗	VZ	113	253.5	15.7	1	32.0	947	17
Taylor	6014 TRE ↗	TRE	114	253.3	16.1	1	32.8	944	20
FS InVision	FS 6447T RIB ↗	TRE	114	252.9	15.5	1	32.5	947	18
FS InVision	FS 6349PC RA ↗	PCE	113	252.3	15.2	1	32.3	947	19
Green Valley	8352 ↗	VT2P	113	250.8	16.1	1	32.5	935	22
Taylor	9951 ↗	VT2P	115	250.7	15.2	1	32.0	941	21
Green Valley	8212 ↗	VT2P	113	250.0	15.7	1	32.0	935	23
AgVenture	AV2816PCE ↗	PCE	116	249.3	16.4	1	32.3	927	25
Burrus	6N54 VT2P ↗	VT2P	113	248.9	16.0	1	32.5	929	24
NuTech	74A5PCE ↗	PCE	114	246.0	15.9	1	32.0	918	27
AgVenture	AV4713PCE ↗	PCE	113	244.8	16.2	1	31.8	912	28
NuTech	75C1PCE ↗	PCE	115	241.8	16.3	1	32.3	899	29
NuTech	73A4AM ↗	AM	113	240.6	15.8	1	31.8	899	30
Green Valley	8422 ↗	VT2P	114	239.2	14.9	1	32.3	899	31
HOEGEMEYER	8365PCE CK	PCE	113	246.6	16.0	1	32.3	920	26
				Averages =	252.0	15.6	1	32.2	943
				LSD (0.10) =	14.6	0.6	ns		
				LSD (0.25) =	7.6	0.3	ns		
				C.V. =	6.3				
				Historic yield: 223.07 bu/a, 7 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: 09/20/2024

† 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

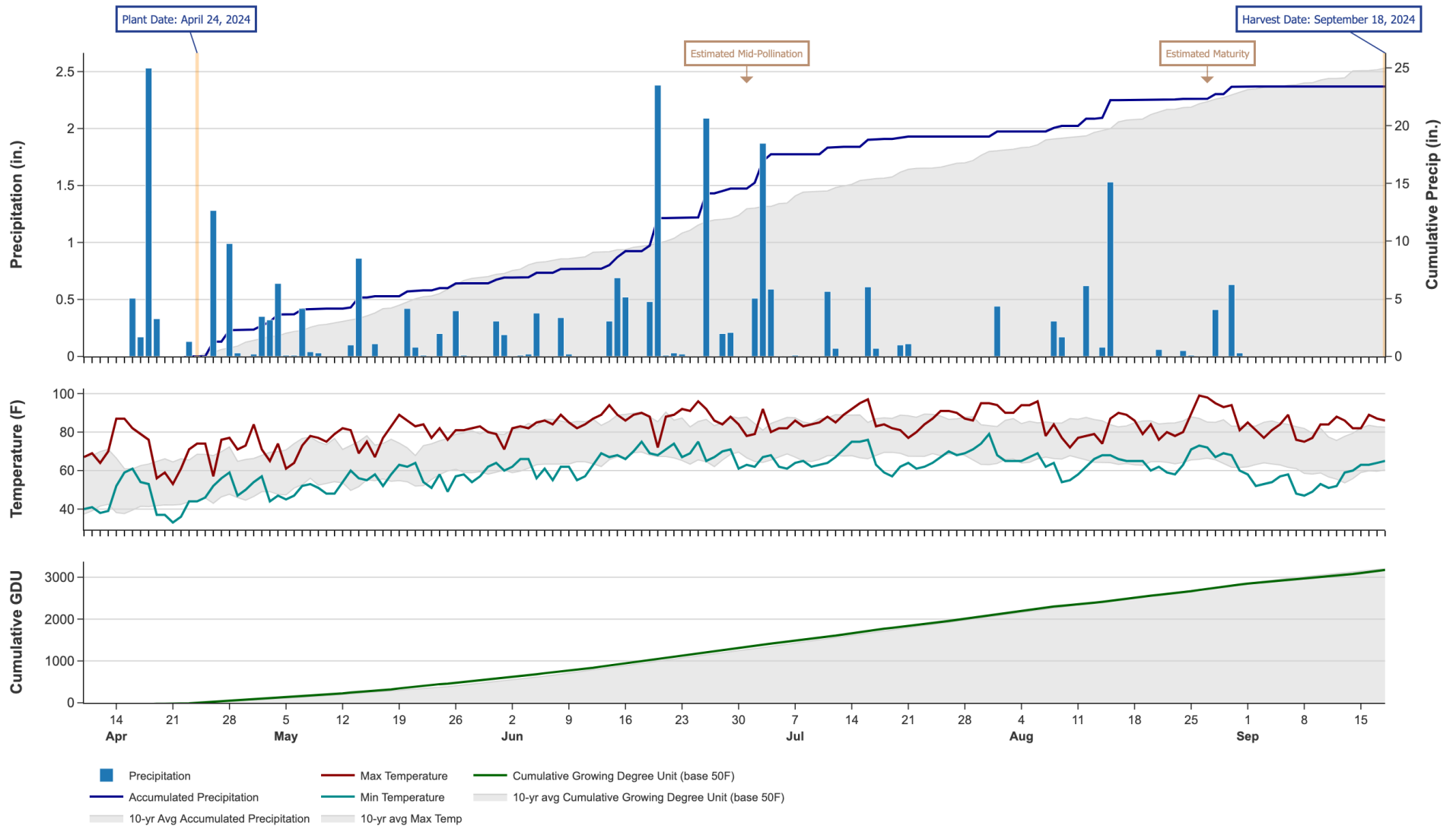
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2024 Corn - Missouri North [MONO]

Weather Conditions Summary at ST. JOSEPH, MO

Monthly Total	Apr*	May	Jun	Jul	Aug	Sep*	Total
Precip (in) (Diff)	6.0 2.3 (+3.7)	4.3 5.9 (-1.5)	7.9 5.1 (+2.8)	4.5 5.5 (-1.0)	4.3 5.1 (-0.8)	0.0 2.1 (-2.1)	27.1 26.1 (+1.0)
GDU Avg (Diff)	224 166 (+57)	504 447 (+56)	746 744 (+1)	777 812 (-35)	726 770 (-44)	348 373 (-25)	3325 3316 (+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 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.