

Test by: Bottomline Seed Solutions, LLC Effingham, IL

2024 Corn Grain Top 30 Harvest Report

Illinois South [ILSO] EFFINGHAM, IL

Bottomline Seed Solutions, LLC, Clint Tucker, Effingham County, IL 62401

Early-Season Test	107 - 112 Day CRM B2024ILSO01a
Top 30 of 48	For Gross Income (Sorted by Yield) Average of (4) Replications
PREV. CROP/HERB:	Soybeans / Prefix, Liberty, Select, Warrant
SOIL DESCRIPTION:	Hoyleton-Darmstadt silt loam, moderately drained, non- irrigated
SOIL CONDITION:	Conventional W/ Fall Till, very high P, high K, 4.9 pH, 2.0% OM, 9.6 CEC
PEST MANAGEMENT:	Lexar, Aatrex, Callisto, Warrior II, Trivapro
FERTILITY - Applied N:	236 Spring
Applied N-P-K (units):	236-92-120
SEEDED - RATE - ROW:	May 13 34.0 /A 30" spacing
HARVESTED - STAND:	Oct 13 33.2 /A

TEST COMMENTS:

This location was planted in mid-May. Emergence was excellent. A dry June was followed by some very timely rains, which resulted in very good yields. Plant health was excellent. Several hybrids still had green leaves on them at harvest.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Pioneer	P13050AM GC ↗	AM	113	296.2	15.8	1	31.4	1165	1
Pioneer	P1222AM GC ↗	AM	112	292.2	16.0	1	32.9	1147	2
Superior	S-8471 GC ↗	PCE	111	286.3	18.1	1	32.9	1096	4
Martin	SS-427-4 TRE GC ↗	TRE	112	280.0	15.6	1	35.1	1104	3
FS InVision	FS 6042F RIB ↗	VT4P	110	278.4	17.0	1	31.4	1080	6
Burrus	POWER PLUS 4V73AM ↗	AM	109	275.6	15.2	1	32.9	1091	5
NuTech	70B4AM ↗	AM	110	274.8	16.5	1	35.1	1073	8
AgVenture	AV6010AM ↗	AM	110	272.9	16.6	1	33.6	1064	9
Martin	SS-384-5TRE GC ↗	TRE	108	272.7	17.3	1	32.9	1055	12
Pioneer	P1170AM GC ↗	AM	111	272.5	17.5	1	30.7	1051	14
Renk	RK773TRE ↗	TRE	109	271.3	14.5	1	31.4	1077	7
Wyffels	W6886RIB ↗	VT2P	111	271.3	17.6	1	31.4	1045	17
Burrus	4W42 PCE ↗	PCE	108	269.9	15.7	1	33.6	1063	10
AgriGold	A642-05VT2RIB GC ↗	VT2P	112	269.8	17.9	1	31.4	1036	24
FS InVision	FS 6133VDG RIB ↗	VT2PDG	111	269.6	16.3	1	33.6	1054	13
Martin	SS-396-4 VT2RIB GC ↗	VT2P	109	269.1	17.5	1	34.3	1038	22
Integra	6274 VT2PRIB ↗	VT2P	112	268.6	17.8	1	31.4	1033	25
Golden Harvest	G12U11-AA ↗	AA	112	268.3	16.7	1	30.7	1045	18
NuTech	68C1V ↗	VE	108	266.4	14.1	1	31.4	1058	11
AgVenture	AV9412AM ↗	AM	112	266.1	16.2	1	34.3	1043	19
FS InVision	FS 6245V RIB ↗	VT2P	112	265.6	17.0	1	32.9	1031	26
Channel	211-11VT2PRIB GC ↗	VT2P	111	265.0	15.2	1	32.2	1050	16
FS InVision	FS 6248V RIB ↗	VT2P	112	265.0	17.2	1	33.6	1025	30
Integra	5935PCE ↗	PCE	109	264.8	14.9	1	32.8	1051	15
NuTech	70F6V ↗	VE	110	263.5	15.5	1	35.8	1039	21
Great Heart	HT-6950PCE ↗	PCE	109	263.1	15.2	1	32.1	1042	20
NuTech	69C7PCE ↗	PCE	109	262.8	16.3	1	31.4	1028	27
NuTech	72C1PCE ↗	PCE	112	261.7	15.9	1	33.6	1028	28
Integra	5775 VT2PRIB ↗	VT2P	107	261.3	15.0	1	34.3	1037	23
Wyffels	W7536DGRIB ↗	VT2PDG	112	260.2	15.5	1	38.1	1028	29
DEKALB	DKC111-35RIB CK	VT2P	111	250.8	15.7	1	33.6	988	39
				Averages =	263.1	16.1	1	33.2	1031
				LSD (0.10) =	16.5	0.9	ns		
				LSD (0.25) =	8.6	0.5	ns		
				C.V. =	6.9				
				Historic yield: 234.27 bu/a, 6 yr(s)					

Clint Tucker

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Yield & Income Factors: Base Moisture = 15.0% Shrink = 1.3 Drying = \$0.045 Prices: GMO = \$3.97; non-GMO = \$3.97

Report Date: Oct. 13, 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 exceeded 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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Illinois South [ILSO] EFFINGHAM, IL

Bottomline Seed Solutions, LLC, Clint Tucker, Effingham County, IL 62401

Full-Season Test 113 - 117 Day CRM
B2024ILSO01b

Top 30 of 48 For Gross Income
(Sorted by Yield)
Average of (4) Replications

PREV. CROP/HERB: Soybeans / Prefix, Liberty,
Select, Warrant

SOIL DESCRIPTION: Hoyleton-Darmstadt silt loam,
moderately drained, non-
irrigated

SOIL CONDITION: Conventional W/ Fall Till, very
high P, high K, 4.9 pH, 2.0%
OM, 9.6 CEC

PEST MANAGEMENT: Lexar, Aatrex, Callisto, Warrior II,
Trivapro

FERTILITY - Applied N: 236 Spring

Applied N-P-K (units): 236-92-120

SEEDED - RATE - ROW: May 13 34.0 /A 30" spacing

HARVESTED - STAND: Oct 13 33.4 /A

TEST COMMENTS:

This location was planted in mid-May. Emergence was excellent. A dry June was followed by some very timely rains, which resulted in very good yields. Plant health was excellent. Several hybrids still had green leaves on them at harvest.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank	
AgriGold	A647-42TRCRIB GC ↗	TRE	117	311.1	18.5	1	35.8	1186	1	
Gateway	2716VT2PRO ↗	VT2P	116	299.1	18.5	1	29.9	1141	2	
Burrus	8M81 TRE ↗	TRE	117	298.8	18.7	1	32.9	1136	4	
Burrus	6N54 VT2P ↗	VT2P	113	296.7	17.9	1	32.9	1140	3	
FS InVision	FS 6627T RIB ↗	TRE	116	295.4	18.6	1	33.6	1126	5	
FS InVision	FS 6747T RIB ↗	TRE	117	292.9	18.4	1	35.8	1118	7	
Integra	6624TRERIB ↗	TRE	116	292.6	18.4	1	36.6	1117	8	
DeKalb	DKC66-04RIB GC ↗	STX	116	291.5	18.8	1	32.1	1108	10	
ProHarvest	84P78 TRERIB ↗	TRE	114	289.4	17.2	1	33.6	1120	6	
FS InVision	FS 6447T RIB ↗	TRE	114	288.3	19.1	1	33.6	1091	13	
Gateway	3916TRE ↗	TRE	116	287.8	18.5	1	33.6	1097	12	
Channel	215-70TRERIB GC ↗	TRE	115	285.9	19.7	1	37.3	1075	20	
Wyffels	W8086RIB ↗	VT2P	114	285.6	17.5	1	33.6	1101	11	
FS InVision	FS 6545V RIB ↗	VT2P	115	284.6	16.5	1	29.1	1111	9	
Pioneer	P14830AML GC ↗	AML	114	283.7	18.0	1	30.7	1088	16	
ProHarvest	85P58 VT2PRIB ↗	VT2P	115	282.2	17.5	1	33.6	1089	15	
AgVenture	AV9916AM ↗	AM	116	280.4	18.1	1	33.6	1074	21	
Great Heart	HT-7360VT2P ↗	VT2P	113	279.8	17.7	1	30.6	1076	19	
DeKalb	DKC64-22RIB GC ↗	VT2P	114	279.3	16.4	1	37.3	1091	14	
Pioneer	P17677AM GC ↗	AM	117	277.8	17.5	1	30.6	1072	23	
Wyffels	W7759RIB ↗	STXP	113	277.3	16.6	1	30.7	1081	17	
NuTech	75C1PCE ↗	PCE	115	276.3	17.5	1	33.6	1066	25	
NuTech	72D4AM ↗	AM	112	276.2	16.4	1	32.9	1079	18	
FS InVision	FS 6595V RIB ↗	VT2P	115	276.0	18.4	1	36.6	1053	28	
Pioneer	P15784AM GC ↗	AM	115	275.1	17.8	1	35.1	1057	27	
NuTech	73A4AM ↗	AM	113	274.0	16.6	1	37.3	1068	24	
AgriGold	A643-52VT2RIB GC ↗	VT2P	113	273.9	16.8	1	33.6	1065	26	
Channel	214-78DGV2PRIB GC ↗	VT2PDG	114	273.0	15.8	1	34.3	1074	22	
AgVenture	AV4713PCE ↗	PCE	113	268.1	16.6	1	34.3	1045	29	
NuTech	74A5PCE ↗	PCE	114	267.4	16.4	1	29.9	1045	30	
DEKALB	DKC111-35RIB CK	VT2P	111	259.2	16.2	1	32.8	1015	40	
				Averages =	275.2	17.6	1	33.4	1060	
				LSD (0.10) =	18.3	0.9	0			
				LSD (0.25) =	9.6	0.5	0			
				C.V. =	7.3					
									Historic yield: 234.27 bu/a, 6 yr(s)	

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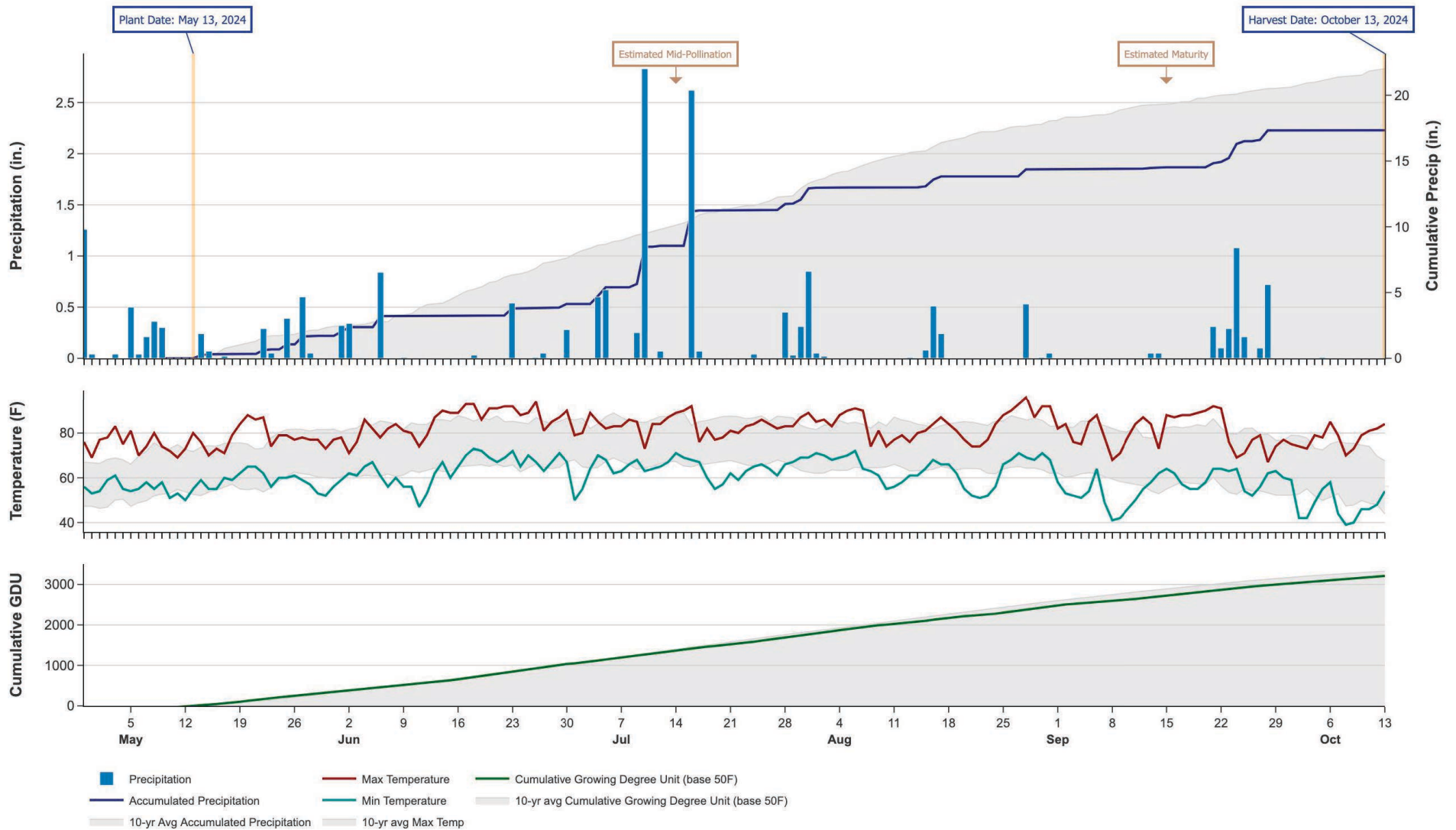
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2024 Corn - Illinois South [ILSO]

Weather Conditions Summary at EFFINGHAM, IL

Monthly Total	Apr*	May	Jun	Jul	Aug	Sep	Oct*	Total
Precip (in) (Diff)	1.3 0.9 (+0.4)	3.2 4.3 (-1.2)	2.4 5.2 (-2.8)	8.8 5.7 (+3.1)	1.5 4.7 (-3.2)	2.9 2.5 (+0.4)	0.0 1.4 (-1.4)	20.1 24.8 (-4.7)
GDU Avg (Diff)	27 16 (+10)	531 459 (+71)	708 721 (-13)	724 795 (-71)	708 747 (-39)	549 580 (-31)	194 167 (+26)	3441 3489 (-48)



* 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 - Illinois South [ILSO]

Early-Season Test Products (48 Total)

Company/Brand	Product/Brand	Technology	RIB	RM	Seed Treat.
AgriGold	A639-03VT2RIB GC	VT2P	Y	109	AC,P1V
AgriGold	A642-05VT2RIB GC	VT2P	Y	112	AC,P1V
AgVenture	AV2208V	VE	Y	108	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
Channel	210-46VT2PRIB GC	VT2P	Y	110	AC,P2V
Channel	211-11VT2PRIB GC	VT2P	Y*	111	AC,P2V
DeKalb	DKC111-35RIB CK	VT2P	Y*	111	AC,P5V
DeKalb	DKC59-82RIB GC	VT2P	Y	109	AC,P5V
DeKalb	DKC62-70RIB GC	VT2P	Y	112	AC,P5V
Dyna-Gro	D49PN05RA	PCE	Y	109	AC,P5V
Dyna-Gro	D51VC95RIB	VT2P	Y	111	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 6133VDG RIB	VT2PDG	Y	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
Great Heart	HT-6950PCE	PCE	N	109	F,I
Integra	5775 VT2PRIB	VT2P	Y	107	AC,P5V,St,SU
Integra	5802 VT2PRIB	VT2P	Y	108	AC,P5V,St,SU
Integra	5935PCE	PCE	Y	109	AC,P5V,St,SU
Integra	6274 VT2PRIB	VT2P	Y	112	NA
Martin	SS-384-5TRE GC	TRE	U	108	AC,P5V,EDC-EL
Martin	SS-396-4 VT2RIB GC	VT2P	U	109	AC,P2
Martin	SS-427-4 TRE GC	TRE	U	112	AC,P5V
NuTech	68C1V	VE	Y	108	LumPro P2
NuTech	69C7PCE	PCE	Y	109	LumPro P2
NuTech	70B4AM	AM	Y	110	LumPro P2
NuTech	70F6V	VE	Y	110	LumPro P2
NuTech	72C1PCE	PCE	Y	112	LumPro P2
Pioneer	P1170AM GC	AM	Y	111	Lum
Pioneer	P1222AM GC	AM	Y	112	Lum
Pioneer	P13050AM GC	AM	Y	113	Lum
Renk	RK766SSPRO	STXP	Y*	109	AC,P5V,EDC-EL
Renk	RK773TRE	TRE	Y*	109	AC,P2
Superior	S-8425 GC	PCE	U	109	F,I

Company/Brand	Brand/Product	Technology	RIB	RM	Seed Treat.
Superior	S-8430 GC	PCE	U	110	F,I
Superior	S-8471 GC	PCE	U	111	F,I
Wyffels	W6505	TRE	N	110	AC,P5V
Wyffels	W6886RIB	VT2P	Y*	111	CM,C2,Vi,Va
Wyffels	W7048RIB	STX	Y*	111	CM,C2,Vi,Va
Wyffels	W7536DGRIB	VT2PDG	Y*	112	AC,P5V

* 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 - Illinois South [ILSO]

Full-Season Test Products (48 Total)

Company/Brand	Product/Brand	Technology	RIB	RM	Seed Treat.
AgriGold	A643-52VT2RIB GC	VT2P	Y	113	AC,P1V
AgriGold	A647-42TRCRIB GC	TRE	Y	117	AC,P1V
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
Channel	214-78DGV2PRIB GC	VT2PDG	Y	114	AC,P2V
Channel	215-70TRERIB GC	TRE	Y	115	AC,P2V
DeKalb	DKC111-35RIB CK	VT2P	Y*	111	AC,P5V
DeKalb	DKC64-22RIB GC	VT2P	Y	114	AC,P5V
DeKalb	DKC66-04RIB GC	STX	Y	116	AC,P5V,EDC-EL
Dyna-Gro	D53SP85RIB	STXP	Y	113	AC,P5V
Dyna-Gro	D56TC44RIB	TRE	Y	116	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 6595V RIB	VT2P	Y	115	AC,P5V
FS InVision	FS 6627T RIB	TRE	Y	116	AC,P5V
FS InVision	FS 6747T RIB	TRE	Y	117	AC,P5V,EDC-EL
Gateway	2716VT2PRO	VT2P	N	116	AC,P5V
Gateway	3916TRE	TRE	N	116	AC,P5V
Gateway	3919TRE	TRE	N	117	AC,P5V
Golden Harvest	G14B32-DV	DV	Y	114	CM,C5,Vi,Va
Golden Harvest	G15U34-V	V	Y	115	CM,C2,Vi,Va
Great Heart	HT-7360VT2P	VT2P	N	113	F,I
Great Heart	HT-7393VT2P	VT2P	Y	113	F,I
Great Heart	HT-7500TRE	TRE	N	115	F,I
Integra	6493 VT2PRIB	VT2P	Y*	114	AC,P1V
Integra	6624TRERIB	TRE	Y	116	NA
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
Pioneer	P15784AM GC	AM	Y	115	Lum
Pioneer	P17677AM GC	AM	Y	117	Lum
ProHarvest	84P78 TRERIB	TRE	Y	114	AC,P5V,Va
ProHarvest	85P58 VT2PRIB	VT2P	Y	115	AC,P5V,Va
Renk	RK921VT2P	VT2P	N	115	AC,P5V,EDC-EL

Company/Brand	Brand/Product	Technology	RIB	RM	Seed Treat.
Renk	RK958VT2P	VT2P	Y*	115	AC,P2
Superior	S-8523 GC	PCE	U	114	F,I
Wyffels	W7759RIB	STXP	Y*	113	CM,C2,Vi,Va
Wyffels	W7945RIB	TRE	Y*	114	CM,C2,Vi,Va
Wyffels	W8086RIB	VT2P	Y*	114	CM,C2,Vi,Va
Wyffels	W8108RIB	STX	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®
STX	SmartStax®
STXP	SmartStax® Pro with RNAi Technology
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

NOTE: The refuge component genetics may vary in a refuge blend seed product.

Corn Seed Treatments*

NA	Not Available
AC,P1V	Acceleron® Poncho 1250/Votivo
AC,P2	Acceleron® 250
AC,P2V	Acceleron® Poncho 250/Votivo
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,St,SU	Acceleron® Poncho 500/Votivo, Stamina, StepUp
AC,P5V,Va	Acceleron® Poncho 500/Votivo, Vayantis®
AVC,C1,Vi,Va	Avicta® Complete 1250, Vibrance®, Vayantis®
CM,C1,Vi,Va	CruiserMaxx® 1250 with Vibrance, Vayantis®
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.