

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

2023 Corn Grain Top 30 Harvest Report

Missouri North [MONO] CAIRO, MO
Dale & Kyle Samp, Randolph County, MO

Early-Season Test	107 - 112 Day CRM B2023MONO03a
Top 30 of 44	For Gross Income (Sorted by Yield) Average of (4) Replications
PREV. CROP/HERB:	Soybeans / Prefix, Roundup, Liberty
SOIL DESCRIPTION:	Mexico silt loam, mod. poorly drained, non-irrigated
SOIL CONDITION:	No-Till, high P, high K, 5.8 pH, 2.1% OM, 10.6 CEC
PEST MANAGEMENT:	Roundup, Distinct, Atrazine, Callisto, Force 6g
FERTILITY - Applied N:	160 Fall, 30 Sidedress, 15# sulfur at sidedress
Applied N-P-K (units):	190-40-60
SEEDED - RATE - ROW:	Apr 13 32.4 /A 30" spacing
HARVESTED - STAND:	Sep 30 30.9 /A

TEST COMMENTS:

Dry weather and heat were dominant this season. It was probably better it was dry, versus a wet spring, so that roots developed deeply. Roots sought moisture from the start. This location received more rain each month than the previous. For the entire season the plot received 8" total by August 1st below average of 18". By the end of August, another 10" of rain fell. Yields in surrounding fields were reported as variable.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
ProHarvest	82P62 TRERIB ↗	TRE	112	192.7	21.7	11	30.8	841	1
DeKalb	DKC59-82RIB GC ↗	VT2P	109	189.8	20.8	3	30.5	835	2
Lewis	11DT912 TRE ↗	TRE	111	186.8	22.2	2	31.5	812	3
Lewis	12DT302 ↗	TRE	112	186.0	22.5	1	29.3	807	4
FS InVision	FS 6017V RIB ↗	VT2P	110	179.3	21.4	6	30.3	785	5
Golden Harvest	G11V76-AA ↗	AA	111	179.0	23.4	8	31.0	771	6
Renk	RK773TRE ↗	TRE	109	174.6	21.2	1	31.3	765	7
Dyna-Gro	D50VC09RIB ↗	VT2P	110	173.2	21.2	6	30.5	759	8
Taylor	8013 VT2PDG ↗	VT2PDG	112	170.5	22.4	1	31.0	740	11
Wyffels	W6886 ↗	VT2P	111	170.3	25.4	2	30.0	721	12
Taylor	6010 TRE ↗	TRE	110	169.0	20.0	4	30.8	748	9
AgriGold	A642-05VT2RIB GC ↗	VT2P	112	167.0	22.9	1	31.0	721	13
FS InVision	FS 6133VDG RIB ↗	VT2PDG	111	165.3	22.8	3	31.3	716	14
Wyffels	W6215 ↗	TRE	109	163.5	21.9	2	30.5	713	17
Pioneer	P1222AM GC ↗	AM	112	162.6	21.0	1	30.8	714	16
FS InVision	FS 5835V RIB ↗	VT2P	108	162.1	22.5	3	31.3	703	21
Burrus	5A84 VT2P ↗	VT2P	111	161.8	22.6	5	29.8	701	22
NuTech	68A7AM ↗	AM	108	160.7	19.7	1	31.5	713	18
FS InVision	FS 6025X RIB ↗	STX	110	160.2	18.8	1	31.3	716	15
Green Valley	GV8233PWE ↗	PCE	112	159.3	19.2	2	31.0	709	19
Green Valley	GV8102VT2PRIB ↗	VT2P	111	159.0	23.9	1	31.0	682	26
Wyffels	W7048 ↗	STX	111	158.7	19.3	1	30.8	706	20
Channel	211-11VT2PRIB GC ↗	VT2P	111	158.7	20.3	1	31.0	701	23
AgVenture	AV3715AM GC ↗	AM	115	158.2	25.8	1	31.5	668	31
Renk	RK811PWE ↗	PCE	111	156.1	19.8	2	31.5	692	25
Golden Harvest	G10B61-AA ↗	AA	110	155.9	22.0	1	31.3	679	28
Renk	RK766SSPRO ↗	STXP	109	155.4	17.8	2	30.3	700	24
NuTech	70B4AM ↗	AM	110	154.7	20.7	1	31.3	681	27
NK Brand	NK1040-AA ↗	AA	110	154.1	21.3	2	31.0	675	29
Hoegemeyer	8110AM GC ↗	AM	111	153.5	21.2	3	31.8	673	30
HOEGEMEYER	8268Q CK	QR	112	170.2	21.3	5	31.5	746	10
				Averages =	157.6	21.4	3	30.9	689
				LSD (0.10) =	14.2	1.1	2		
				LSD (0.25) =	7.5	0.6	1		
				C.V. =	9.9				
				Historic yield: 200.12 bu/a, 4 yr(s)					

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Yield & Income Factors: Base Moisture = 15.0% Shrink = 1.3 Drying = \$0.035 Prices: GMO = \$4.60

Report Date: 10/02/2023

† 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] CAIRO, MO
Dale & Kyle Samp, Randolph County, MO

Full-Season Test	113 - 117 Day CRM B2023MONO03b
Top 30 of 44	For Gross Income (Sorted by Yield) Average of (4) Replications
PREV. CROP/HERB:	Soybeans / Prefix, Roundup, Liberty
SOIL DESCRIPTION:	Mexico silt loam, mod. poorly drained, non-irrigated
SOIL CONDITION:	No-Till, high P, high K, 5.8 pH, 2.1% OM, 10.6 CEC
PEST MANAGEMENT:	Roundup, Distinct, Atrazine, Callisto, Force 6g
FERTILITY - Applied N:	160 Fall, 30 Sidedress, 15# sulfur at sidedress
Applied N-P-K (units):	190-40-60
SEEDED - RATE - ROW:	Apr 13 32.4 /A 30" spacing
HARVESTED - STAND:	Sep 30 30.9 /A

TEST COMMENTS:

Dry weather and heat were dominant this season. It was probably better it was dry, versus a wet spring, so that roots developed deeply. Roots sought moisture from the start. This location received more rain each month than the previous. For the entire season the plot received 8" total by August 1st below average of 18". By the end of August, another 10" of rain fell. Yields in surrounding fields were reported as variable.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Taylor	9913 VT2P ↗	VT2P	113	191.1	25.4	1	30.5	810	1
Wyffels	W8108 ↗	STX	114	187.6	24.4	1	31.8	801	2
Green Valley	GV8422VT2PRIB ↗	VT2P	114	181.9	22.8	2	30.8	787	3
Lewis	14DT603 ↗	TRE	114	180.1	25.6	3	29.8	762	4
FS InVision	FS 6627T RIB ↗	TRE	116	179.9	26.7	2	31.0	754	5
Lewis	15DT512 ↗	TRE	115	177.5	25.0	3	30.5	754	6
Burrus	7F33 VT2P ↗	VT2P	114	177.3	26.7	5	30.0	743	10
Green Valley	GV8212VT2PRIB ↗	VT2P	112	175.9	24.6	1	30.8	750	7
FS InVision	FS 6625V RIB ↗	VT2P	116	175.1	24.3	5	31.3	748	8
FS InVision	FS 6595V RIB ↗	VT2P	115	174.1	27.9	1	31.0	723	14
FS InVision	FS 6395VDG RIB ↗	VT2PDG	113	173.8	24.1	1	29.8	744	9
Wyffels	W7876RIB ↗	VT2P	114	173.2	25.0	1	31.3	736	12
Renk	RK958VT2P ↗	VT2P	115	173.0	24.7	5	30.8	737	11
Burrus	7P71 VT2P ↗	VT2P	115	172.9	25.0	2	30.0	735	13
Wyffels	W8086 ↗	VT2P	114	170.4	27.3	2	30.8	711	20
AgriGold	A645-16VT2RIB GC ↗	VT2P	115	169.3	28.9	1	31.0	697	23
Renk	RK876VT2P ↗	VT2P	113	169.2	27.6	3	31.0	704	22
Taylor	6015 TRE ↗	TRE	115	167.9	26.3	1	30.5	706	21
Renk	RK915VT2P ↗	VT2P	115	166.9	24.5	3	31.0	712	18
Renk	RK895DGV2P ↗	VT2PDG	113	166.8	24.0	3	31.3	715	16
Golden Harvest	G16Q82-AA ↗	AA	116	164.8	30.1	8	30.8	671	27
AgVenture	AV3213AM ↗	AM	113	164.6	22.8	1	31.3	712	19
Lewis	17DP651 ↗	VT2P	117	164.5	30.2	7	31.0	669	28
Wyffels	W7945RIB ↗	TRE	114	163.9	28.7	1	31.0	675	26
Hoegemeyer	8397Q GC ↗	QR	113	163.6	21.8	1	31.3	714	17
FS InVision	FS 6432P RIB ↗	STXP	114	163.4	26.5	1	30.8	686	25
AgriGold	A643-52VT2RIB GC ↗	VT2P	113	161.8	29.5	3	31.3	662	29
Golden Harvest	G13B17-AA ↗	AA	113	160.5	22.9	1	31.3	694	24
Taylor	6014 TRE ↗	TRE	114	158.9	28.3	1	30.5	656	31
NuTech	73A4AM ↗	AM	113	155.1	24.7	1	31.0	661	30
HOEGEMEYER	8268Q CK	QR	112	166.8	23.5	3	31.0	718	15

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Averages = **161.7** **26.2** **2** **30.9** **681**

LSD (0.10) = 11.6 1.1 2

LSD (0.25) = 6.1 0.6 1

C.V. = 7.9

Historic yield: 200.12 bu/a, 4 yr(s)

Yield & Income Factors: Base Moisture = 15.0% Shrink = 1.3 Drying = \$0.035 Prices: GMO = \$4.60

Report Date: 10/02/2023

† 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

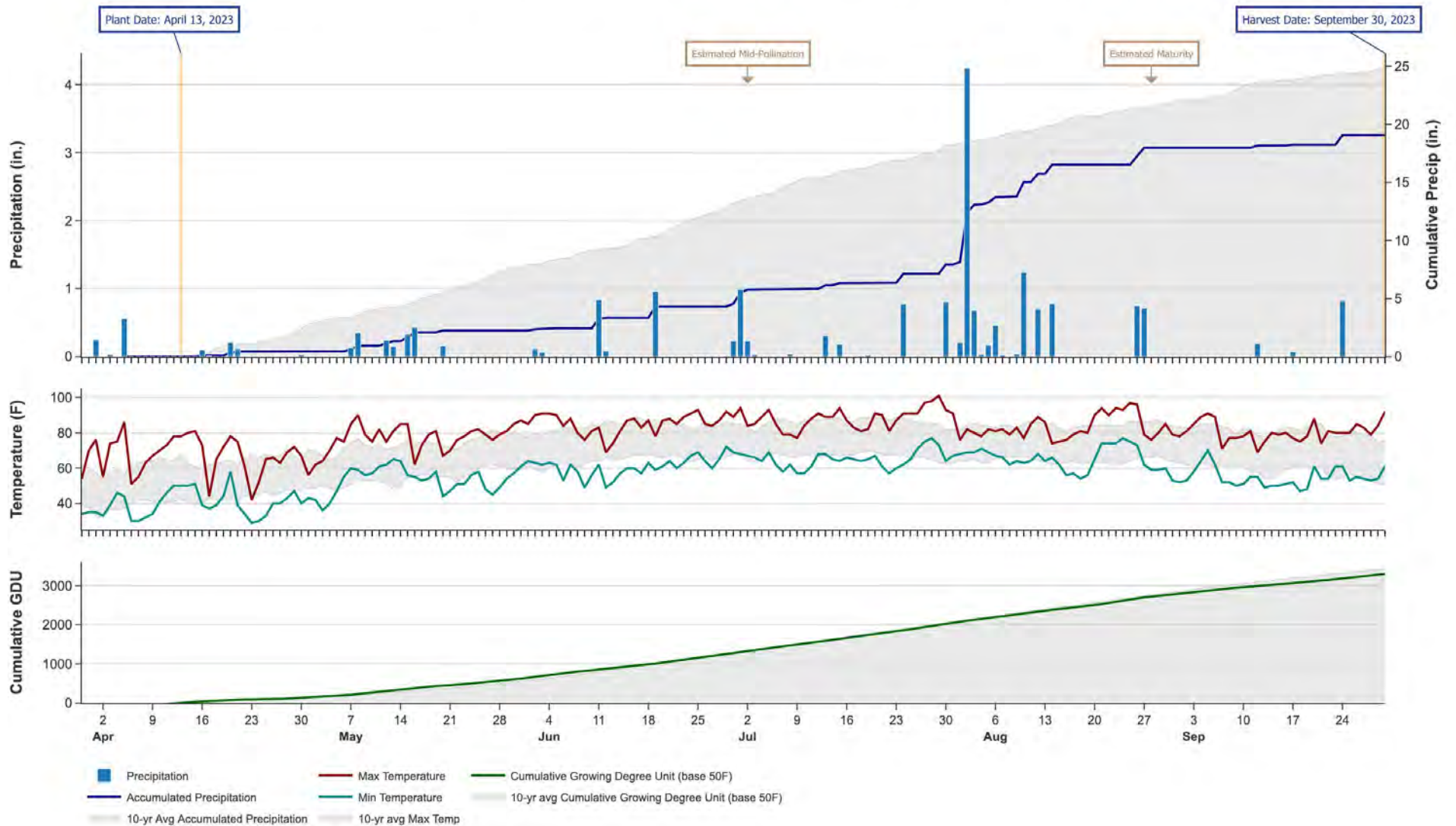
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2023 Corn - Missouri North [MONO]

Weather Conditions Summary at CAIRO, MO

Monthly Total	Mar*	Apr	May	Jun	Jul	Aug	Sep*	Total
Precip (in) (Diff)	0.0 0.4 (-0.4)	1.3 3.9 (-2.6)	1.8 5.2 (-3.5)	2.3 5.5 (-3.2)	3.4 5.0 (-1.6)	10.0 3.6 (+6.4)	1.1 3.0 (-1.9)	19.9 26.7 (-6.8)
GDU Avg (Diff)	10 0 (+10)	248 178 (+69)	488 438 (+49)	666 722 (-56)	768 801 (-33)	722 754 (-32)	522 588 (-66)	3424 3483 (-59)



* 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.

2023 Corn - Missouri North [MONO]

Early-Season Test Products (44 Total)

Company/Brand	Product/Brand	Technology	RIB	RM	Seed Treat.
AgriGold	A642-05VT2RIB	VT2P	Y	112	Treated
AgVenture	AV2411AM	AM	Y	111	Lum, L1
AgVenture	AV3715AM	AM	Y	115	Treated
AgVenture	AV6010AM	AM	Y	110	Lum, L1
AgVenture	AV9412AM	AM	Y	112	Lum, L1
Burrus	5A84 VT2P	VT2P	Y	111	Lum, L1-2023
Burrus	POWER PLUS 5J21AM	AM	Y	110	Lum, L1
Channel	211-11VT2PRIB	VT2P	Y*	111	AC,P5V
DeKalb	DKC59-82RIB	VT2P	Y	109	Treated
Dyna-Gro	D50VC09RIB	VT2P	Y*	110	AC,P5V
FS InVision	FS 5835V RIB	VT2P	Y	108	AC,P5V,EDC-EL
FS InVision	FS 6017V RIB	VT2P	Y	110	AC,P5V,EDC-EL
FS InVision	FS 6025X RIB	STX	Y	110	AC,P5V,EDC-EL
FS InVision	FS 6133VDG RIB	VT2PDG	Y	111	AC,P5V,EDC-EL
FS InVision	FS 6137PC	PCE	N	111	CM,C2,Vi,Va
Golden Harvest	G10B61-AA	AA	Y	110	CM,C5,Va
Golden Harvest	G11V76-AA	AA	Y	111	CM,C5,Va
Green Valley	GV8022VT2PRIB	VT2P	Y	110	AC,P5V
Green Valley	GV8102VT2PRIB	VT2P	Y	111	AC,P5V
Green Valley	GV8233PWE	PCE	N	112	AC,P5V
Hoegemeyer	8110AM	AM	Y	111	Lum, L1
Hoegemeyer	8268Q	QR	Y	112	Lum, L1
Lewis	11DT912 TRE	TRE	Y	111	AC,P5,B360
Lewis	12DT302	TRE	Y	112	AC,P5,B360
NK Brand	NK1040-AA	AA	Y	110	CM,C5,Va
NK Brand	NK1082-DV	DV	Y	110	AVC,C1,Va
NK Brand	NK1188-AA	AA	Y	111	CM,C5,Va
NuTech	68A7AM	AM	Y	108	Lum, L1
NuTech	70B4AM	AM	Y	110	Lum, L1
NuTech	71A2AM	AM	Y	111	Lum, L1
NuTech	72A8AM	AM	Y	112	Lum, L1
NuTech	72D4AM	AM	Y	112	Lum, L1
Pioneer	P1222AM	AM	Y	112	Treated
ProHarvest	6893 V	V	Y	108	CM,C2,Vi
ProHarvest	82P62 TRERIB	TRE	Y	112	AC,P5V,Va
Renk	RK766SSPRO	STXP	N	109	AC,P5V,B300
Renk	RK773TRE	TRE	N	109	AC,P5V,B300
Renk	RK811PWE	PCE	N	111	Lum,P5V
Taylor	6010 TRE	TRE	Y	110	CM,C2
Taylor	8013 VT2PDG	VT2PDG	N*	112	CM,C2
Taylor	EXP D-112-23	PC	N	112	CM,C2
Wyffels	W6215	TRE	N	109	CM,C2,Vi,Va

Company/Brand	Brand/Product	Technology	RIB	RM	Seed Treat.
Wyffels	W6886	VT2P	N	111	AC,P5
Wyffels	W7048	STX	N	111	AC,P5

* 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.

2023 Corn - Missouri North [MONO]

Full-Season Test Products (44 Total)

Company/Brand	Product/Brand	Technology	RIB	RM	Seed Treat.
AgriGold	A643-52VT2RIB	VT2P	Y	113	AC,P5V
AgriGold	A645-16VT2RIB	VT2P	Y	115	AC,P5V
AgVenture	AV2816AM	AM	Y	116	Lum, L1
AgVenture	AV3213AM	AM	Y	113	Lum, L1
AgVenture	AV3514AML	AML	Y	114	Lum, L1
Burrus	7F33 VT2P	VT2P	Y	114	Lum, L1-2023
Burrus	7P71 VT2P	VT2P	Y	115	AC,P5V,EDC-B
FS InVision	FS 6395VDG RIB	VT2PDG	Y	113	AC,P5V,EDC-EL
FS InVision	FS 6432P RIB	STXP	Y	114	AC,P5V,EDC-EL
FS InVision	FS 6595V RIB	VT2P	Y	115	AC,P5V,EDC-EL
FS InVision	FS 6625V RIB	VT2P	Y	116	AC,P5V,EDC-EL
FS InVision	FS 6627T RIB	TRE	Y	116	AC,P5V,EDC-EL
Golden Harvest	G13B17-AA	AA	Y	113	CM,C5,Va
Golden Harvest	G16Q82-AA	AA	Y	116	CM,C5,Va
Green Valley	GV8212VT2PRIB	VT2P	Y	112	AC,P5V
Green Valley	GV8422VT2PRIB	VT2P	Y	114	AC,P5V
Green Valley	GV8433PWE	PCE	N	114	AC,P5V
Hoegemeyer	8268Q	QR	Y	112	Lum, L1
Hoegemeyer	8397Q	QR	Y	113	Lum, L1
Lewis	14DT603	TRE	Y	114	AC,P5,B360
Lewis	15DT512	TRE	Y	115	AC,P5,B360
Lewis	17DP651	VT2P	Y	117	AC,P5,B360
NK Brand	NK1523-V	V	Y	115	CM,C5,Va
NuTech	73A4AM	AM	Y	113	Lum, L1
NuTech	74A9AM	AM	Y	114	Lum, L1
NuTech	74C4AM	AM	Y	114	Lum, L1
NuTech	75C1AM	AM	Y	115	Lum, L1
NuTech	77A5AM	AM	Y	117	Lum, L1
ProHarvest	84P32 PCE	PCE	N	114	AC,P5V,Va
ProHarvest	85P67 PCE	PCE	N	115	AC,P5V,Va
Renk	RK876VT2P	VT2P	N	113	AC,P5V,B300
Renk	RK895DGV2P	VT2PDG	N	113	AC,P2
Renk	RK915VT2P	VT2P	N	115	AC,P2
Renk	RK958VT2P	VT2P	N	115	AC,P2
Taylor	6014 TRE	TRE	N	114	AC,P2
Taylor	6015 TRE	TRE	N	115	CM,C2
Taylor	9913 VT2P	VT2P	N	113	CM,C2
Taylor	EXP A-115-23	3110	N	114	CM,C2
Taylor	EXP C-115-23	VT2P	N	115	AC,P2
Wyffels	W7876RIB	VT2P	Y	114	AVC,C2,Vi,Va
Wyffels	W7945RIB	TRE	Y*	114	AVC,C2,Vi,Va
Wyffels	W8086	VT2P	N	114	AC,P5

Company/Brand	Brand/Product	Technology	RIB	RM	Seed Treat.
Wyffels	W8108	STX	N	114	AC,P5
Wyffels	W8306RIB	VT2P	Y*	115	AVC,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

3110	Agrisure® Viptera® 3110 (Vip, CB,LL,GT)
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
PC	PowerCore®
PCE	PowerCore® Enlist®
QR	Qrome®
STX	SmartStax®
STXP	SmartStax® Pro with RNAi Technology
TRE	Trecepta®
V	Viptera™ (Vip,CB,HX,LL,GT), formerly Agrisure Viptera® 3220
VT2P	VT Double PRO®
VT2PDG	DroughtGard® with VT Double PRO®

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

Corn Seed Treatments*

NA	Not Available
AC,P2	Acceleron® 250
AC,P5	Acceleron® 500
AC,P5,B360	Acceleron® 500 with BioRise™ B-360 ST
AC,P5V	Acceleron® Poncho 500/Votivo
AC,P5V,B300	Acceleron® Poncho 500/Votivo with B-300 SAT
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®
AVC,C1,Va	Avicta® Complete 1250 with Vayantis®
AVC,C2,Vi,Va	Avicta® Complete 250, Vibrance®, Vayantis®
CM,C2	CruiserMaxx® 250
CM,C2,Vi	CruiserMaxx® 250 with Vibrance
CM,C2,Vi,Va	CruiserMaxx® 250 with Vibrance, Vayantis®
CM,C5,Va	CruiserMaxx® 500 with Vayantis®
Lum, L1	LumiGEN, Lumisure 1250
Lum, L1-2023	LumiGEN 1250, Zeltera, Lumivia, Lumialza, Serifel®, Lumiflex, 2023
Lum,P5V	LumiGEN™ Poncho 500/Votivo
Treated	Treated seed, unspecified

* Seed treatments may include unspecified plant health promoting components.