

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

2022 Corn Grain Top 30 Harvest Report

Missouri North [MONO] MARYVILLE, MO

Thummel Enterprises, Inc., Jeff & Deb Thummel, Nodaway County, MO

Early-Season Test 107 - 112 Day CRM
B2022MONO02a

Top 30 of 40 For Gross Income
(Sorted by Yield)
Average of (4) Replications

PREV. CROP/HERB: Soybeans / Zidua Pro,
Glyphosate, Liberty

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

SOIL CONDITION: No-Till, very high P, very high K,
6.9 pH, 5.4% OM, 15.5 CEC

PEST MANAGEMENT: Durango, Resicore, Atrazine,
Delaro, Hero

FERTILITY - Applied N: 230 Fall, 50 Sidedress, 40#
sulfur

Applied N-P-K (units): 280-0-0

SEEDED - RATE - ROW: Apr 22 32.4 /A 30" spacing

HARVESTED - STAND: Oct 4 32.0 /A

TEST COMMENTS:

This is a high-yield environment in north Missouri. A very small planting window was available on April 22nd - the first planting day for the FIRST program in 2022. The trial got out of the gate strong and never looked back. This spot just east of Maryville was a sweet spot for the weather. Full ears filled to tip with deep kernels. No lodging. No weed or disease pressure. Great stalk quality. Excellent trial.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank	
AgVenture	AV6010AM ↗	AM	110	300.9	18.1	1	31.8	2149	1	
NuTech	70B4AM ↗	AM	110	295.5	17.2	1	32.5	2119	2	
Integra	5802 VT2PRIB ↗	VT2P	108	292.2	17.0	1	31.3	2099	3	
Lewis	11DT912 ↗	TRE	111	289.8	18.7	1	32.3	2064	9	
NuTech	72D4AM ↗	AM	112	289.6	18.2	1	32.5	2067	8	
NuTech	72A8AM ↗	AM	112	289.5	17.3	1	32.3	2076	5	
NuTech	70F6Q ↗	QR	110	289.3	17.4	1	32.3	2073	6	
Burrus	5A84 VT2P ↗	VT2P	111	289.2	19.6	1	31.5	2050	11	
FS InVision	FS 6025X RIB ↗	STX	110	288.9	16.7	1	32.3	2078	4	
Dyna-Gro	D52DC82RIB ↗	VT2PDG	112	287.7	18.1	1	32.0	2054	10	
Green Valley	GV8212VT2PRIB ↗	VT2P	112	287.3	22.1	1	32.3	2011	21	
Golden Harvest	G11V76-D ↗	D	111	287.0	18.8	1	32.3	2042	14	
FS InVision	FS 6017V RIB ↗	VT2P	110	286.1	17.7	1	31.8	2048	12	
Taylor	8013 VT2PDG ↗	VT2PDG	112	286.0	22.0	1	32.0	2003	25	
Dyna-Gro	D50VC09RIB ↗	VT2P	110	285.8	17.8	1	31.3	2044	13	
Lewis	12DT302 ↗	TRE	112	285.0	19.3	1	32.3	2023	20	
Lewis	09DD740 ↗	VT2PDG	109	284.6	17.2	1	31.3	2041	15	
NuTech	68A9AM ↗	AM	108	284.5	17.4	1	32.5	2039	16	
Golden Harvest	G10L16-DV ↗	DV	110	284.5	18.6	1	32.3	2026	17	
Integra	6061 TRERIB ↗	TRE	110	284.0	20.1	1	31.8	2009	22	
NK Brand	NK1188-AA ↗	AA	111	283.0	19.7	1	31.8	2005	23	
AgVenture	AV9610 ↗	AM	110	282.4	17.4	1	32.0	2024	18	
Taylor	EXP A-110-23 ↗	VT2P	110	282.3	17.2	1	32.3	2024	19	
NuTech	68A7AM ↗	AM	108	281.0	18.2	1	32.0	2005	24	
NK Brand	NK1082-DV ↗	DV	110	278.7	18.3	1	32.3	1989	26	
Burrus	POWER PLUS 5L44AM ↗	AM	110	277.4	17.5	1	31.3	1987	27	
NuTech	70A8AM ↗	AM	110	276.3	16.9	1	31.3	1985	28	
Green Valley	GV8022VT2PRIB ↗	VT2P	110	275.3	19.0	1	32.0	1957	30	
Lewis	10DP719 ↗	VT2P	110	275.0	18.4	1	32.3	1962	29	
Taylor	6012 TRE ↗	TRE	111	272.1	17.0	1	31.5	1954	31	
DEKALB	DKC62-70RIB CK	VT2P	112	290.9	18.9	1	31.8	2069	7	
				Averages =	281.8	18.4	1	32.0	2008	
				LSD (0.10) =	7.9	0.8	ns			
				LSD (0.25) =	4.2	0.4	ns			
				C.V. =	3.1					
										Historic yield: 172.23 bu/a, 3 yr(s)

William Schelp

William Schelp

william.schelp@firstseedtests.com, (573) 819-7968

Yield & Income Factors: Base Moisture = 15.0% Shrink = 1.3 Drying = \$0.035 Prices: GMO = \$7.25

Report Date: 10/07/2022

† 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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2022 Corn Grain Top 30 Harvest Report

Missouri North [MONO] MARYVILLE, MO

Thummel Enterprises, Inc., Jeff & Deb Thummel, Nodaway County, MO

Full-Season Test 113 - 117 Day CRM
B2022MONO02b

Top 30 of 40 For Gross Income
(Sorted by Yield)
Average of (4) Replications

PREV. CROP/HERB: Soybeans / Zidua Pro,
Glyphosate, Liberty

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

SOIL CONDITION: No-Till, very high P, very high K,
6.9 pH, 5.4% OM, 15.5 CEC

PEST MANAGEMENT: Durango, Resicore, Atrazine,
Delaro, Hero

FERTILITY - Applied N: 230 Fall, 50 Sidedress, 40#
sulfur

Applied N-P-K (units): 280-0-0

SEEDED - RATE - ROW: Apr 22 32.4 /A 30" spacing

HARVESTED - STAND: Oct 4 31.8 /A

TEST COMMENTS:

This is a high-yield environment in north Missouri. A very small planting window was available on April 22nd - the first planting day for the FIRST program in 2022. The trial got out of the gate strong and never looked back. This spot just east of Maryville was a sweet spot for the weather. Full ears filled to tip with deep kernels. No lodging. No weed or disease pressure. Great stalk quality. Excellent trial.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Wyffels	W7945 ↗	TRE	114	305.8	24.1	1	32.0	2120	2
FS InVision	FS 6627T RIB ↗	TRE	116	302.6	22.0	1	31.7	2120	3
Dyna-Gro	D54VC34RIB ↗	VT2P	114	302.6	20.8	1	31.5	2133	1
NuTech	77A5AM ↗	AM	117	297.0	20.9	1	31.7	2092	6
FS InVision	FS 6595V RIB ↗	VT2P	115	296.9	22.7	1	31.7	2073	9
Taylor	9913 VT2P ↗	VT2P	113	296.9	21.4	1	32.3	2087	7
Wyffels	W7876RIB ↗	VT2P	114	296.6	24.3	1	32.0	2054	12
NuTech	74B6AM ↗	AM	114	296.1	19.3	1	32.0	2103	4
Hoegemeyer	8303 AM GC ↗	AM	113	295.0	20.1	1	31.8	2086	8
Lewis	15DT512 ↗	TRE	115	294.2	22.7	1	32.0	2053	13
Taylor	8824 VT2P ↗	VT2P	113	293.3	20.7	1	32.0	2068	10
DeKalb	DKC67-94RIB GC ↗	TRE	117	292.9	22.8	1	30.3	2044	14
Lewis	15DP899 ↗	VT2P	115	291.1	22.2	1	32.0	2037	16
NuTech	74C4AM ↗	AM	114	290.8	19.3	1	32.3	2065	11
Taylor	EXP C-116-23 ↗	TRE	116	288.9	23.1	1	32.5	2013	20
AgVenture	AV4313AM ↗	AM	113	288.2	19.7	1	32.5	2043	15
Taylor	EXP C-117-23 ↗	VT2P	117	287.3	22.3	1	31.8	2010	22
Wyffels	W8936DGRIB ↗	VT2PDG	117	286.5	21.1	1	32.0	2016	19
FS InVision	FS 6395VDG RIB ↗	VT2PDG	113	285.9	24.5	1	32.0	1978	28
Burrus	POWER PLUS 6W81AM ↗	AM	113	285.8	19.4	1	31.8	2028	17
Golden Harvest	G16Q82-AA ↗	AA	116	285.3	21.9	1	32.0	1999	23
Green Valley	GV8392VT2PRIB ↗	VT2P	113	284.9	20.3	1	31.5	2013	21
AgVenture	AV7913AM ↗	AM	113	284.7	19.7	1	32.0	2017	18
Burrus	6Y61 DGVT2P ↗	VT2PDG	113	284.1	22.3	1	31.3	1988	25
Wyffels	W8306 ↗	VT2P	115	283.5	21.8	1	31.5	1987	26
Taylor	EXP C-114-23 ↗	VT2P	114	282.8	22.2	1	32.0	1980	27
FS InVision	FS 6625V RIB ↗	VT2P	116	282.4	22.6	1	32.0	1972	30
Lewis	16DP850 ↗	VT2P	116	282.2	24.3	1	32.0	1954	31
Integra	6493 VT2P ↗	VT2P	114	281.7	22.0	1	31.0	1973	29
Integra	6342 TRERIB ↗	TRE	113	279.4	18.4	1	32.0	1992	24
DEKALB	DKC62-70RIB CK	VT2P	112	297.3	20.7	1	31.8	2096	5
				Averages =	286.2	22.0	1	31.8	2007
				LSD (0.10) =	8.7	1.0	ns		
				LSD (0.25) =	4.6	0.6	ns		
				C.V. =	3.3				
								Historic yield: 172.23 bu/a, 3 yr(s)	

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Yield & Income Factors:

Base Moisture = 15.0%

Shrink = 1.3

Drying = \$0.035

Prices: GMO = \$7.25

Report Date: 10/07/2022

† 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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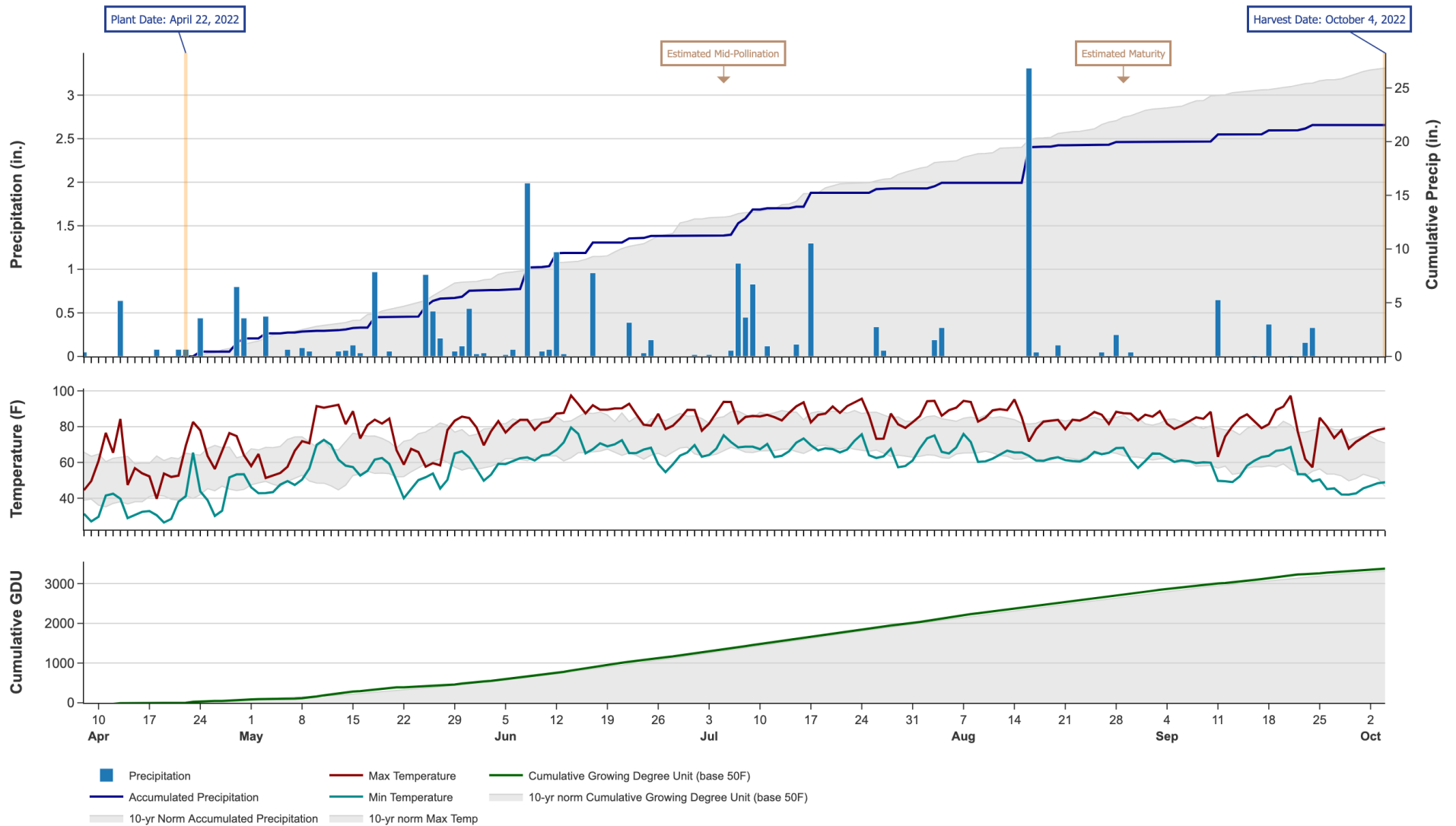
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2022 Corn - Missouri North [MONO]

Weather Conditions Summary at MARYVILLE, MO

Weather Data Retrieved: 10/07/2022

Monthly Total	Apr*	May	Jun	Jul	Aug	Sep	Oct*	Total
Precip (in) Normal (Diff)	2.6 3.1 (-0.5)	4.4 5.8 (-1.4)	5.1 5.6 (-0.5)	4.4 4.8 (-0.4)	4.4 5.3 (-0.9)	1.5 3.6 (-2.1)	0.0 0.5 (-0.5)	22.5 28.8 (-6.3)
GDU Normal (Diff)	129 136 (-7)	427 409 (+17)	709 703 (+5)	790 800 (-10)	763 740 (+22)	551 546 (+4)	54 49 (+4)	3423 3386 (+36)



* 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.

2022 Corn - Missouri North [MONO]

Early-Season Test Products (40 Total)

Company/Brand	Product/Brand	Technology	RIB	RM	Seed Treat.
AgVenture	AV6010AM	AM	Y	110	Treated
AgVenture	AV9610	AM	Y	110	Lum, L1
Burrus	5A84 VT2P	VT2P	Y	111	AC,P5V
Burrus	POWER PLUS 5L44AM	AM	Y	110	BPS
DeKalb	DKC62-70RIB CK	VT2P	Y	112	Treated
Dyna-Gro	D50VC09RIB	VT2P	N	110	AC,P5V
Dyna-Gro	D52DC82RIB	VT2PDG	N	112	AC,P5V
FS InVision	FS 5725X RIB	STX	Y	107	AC,P5V
FS InVision	FS 5829V RIB	VT2P	Y	108	AC,P5V,Va
FS InVision	FS 6017V RIB	VT2P	Y	110	AC,P5V
FS InVision	FS 6025X RIB	STX	Y	110	AC,P5V,EDC-EL
FS InVision	FS 6194V RIB	VT2P	Y	111	AC,P5V
FS InVision	FS 6217T RIB	TRE	Y	112	AC,P5V
Golden Harvest	G10L16-DV	DV	Y	110	AVC,C2,CM,C5,Vi,Va
Golden Harvest	G11V76-D	D	Y	111	AVC,C2,CM,C5,Vi,Va
Green Valley	GV8022VT2PRIB	VT2P	Y	110	AC250
Green Valley	GV8102VT2PRIB	VT2P	Y	111	AC250
Green Valley	GV8212VT2PRIB	VT2P	Y	112	AC250
Integra	5802 VT2PRIB	VT2P	Y	108	AC,P5V,SU+Zn
Integra	6061 TRERIB	TRE	Y	110	AC,P5V,SU+Zn
Integra	6284 VT2PRIB	VT2P	Y	112	AC,P5V,SU+Zn
Lewis	09DD740	VT2PDG	Y	109	AC,P5V,EDC-B
Lewis	10DP719	VT2P	Y	110	AC,P5V,EDC-B
Lewis	11DT912	TRE	Y	111	AC,P5V,EDC-B
Lewis	12DT302	TRE	Y	112	AC,P5V,EDC-B
NK Brand	NK1082-DV	DV	Y	110	AVC,C2,CM,C5,Vi,Va
NK Brand	NK1188-AA	AA	Y	111	AVC,C2,CM,C5,Vi,Va
NuTech	68A7AM	AM	Y	108	Lum, L1
NuTech	68A9AM	AM	Y	108	Lum, L1
NuTech	70A8AM	AM	Y	110	Lum, L1
NuTech	70B4AM	AM	Y	110	Lum, L1
NuTech	70F6Q	QR	Y	110	Lum, L1
NuTech	72A8AM	AM	Y	112	Lum, L1
NuTech	72D4AM	AM	Y	112	Lum, L1
Renk	RK805VT2P	VT2P	N	110	AC,P2
Renk	RK826VT2P	VT2P	N	111	AC,P2
Renk	RK830SSTX	STX	N	112	AC,P5V
Taylor	6012 TRE	TRE	N	111	CM,C2
Taylor	8013 VT2PDG	VT2PDG	N*	112	CM,C2
Taylor	EXP A-110-23	VT2P	N	110	AC,P2

* 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.

2022 Corn - Missouri North [MONO]

Full-Season Test Products (40 Total)

Company/Brand	Product/Brand	Technology	RIB	RM	Seed Treat.
AgVenture	AV4313AM	AM	Y	113	Treated
AgVenture	AV7913AM	AM	Y	113	Treated
Burrus	6Y61 DGVT2P	VT2PDG	Y	113	BPS
Burrus	POWER PLUS 6W81AM	AM	Y	113	Lum, L1
DeKalb	DKC62-70RIB CK	VT2P	Y	112	Treated
DeKalb	DKC67-94RIB GC	TRE	Y	117	AC,P5V,EDC-B
Dyna-Gro	D54VC34RIB	VT2P	N	114	AC,P5V
FS InVision	FS 6395VDG RIB	VT2PDG	Y	113	AC,P5V
FS InVision	FS 6595V RIB	VT2P	Y	115	AC,P5V
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	G15J91-V	V	Y	115	AVC,C2,CM,C5,Vi,Va
Golden Harvest	G16Q82-AA	AA	Y	116	AVC,C2,CM,C5,Vi,Va
Green Valley	GV8392VT2PRIB	VT2P	Y	113	AC250
Green Valley	GV8422VT2PRIB	VT2P	Y	114	AC250
Hoegemeyer	8303 AM GC	AM	Y	113	Lum, L1
Integra	6342 TRERIB	TRE	Y	113	AC,P5V,SU+Zn
Integra	6410 VT2PRIB	VT2P	Y	114	AC,P5V,SU+Zn
Integra	6493 VT2P	VT2P	N	114	AC,P5V
Integra	6555 VT2PRIB	VT2P	Y	115	AC,P5V,SU+Zn
Lewis	15DP899	VT2P	Y	115	AC,P2,B360
Lewis	15DT512	TRE	Y	115	AC,P5V,EDC-B
Lewis	16DP850	VT2P	Y	116	AC,P5V,EDC-B
NK Brand	NK1523-V	V	Y	115	AVC,C2,CM,C5,Vi,Va
NK Brand	NK1661-AA	AA	Y	116	AVC,C2,CM,C5,Vi,Va
NuTech	74B6AM	AM	Y	114	Lum, L1
NuTech	74C4AM	AM	Y	114	Lum, L1
NuTech	77A5AM	AM	Y	117	Lum, L1
Pioneer	P1464AML GC	AML	N	114	Lum
Renk	RK895DGVT2P	VT2PDG	N	113	AC,P2
Renk	RK958VT2P	VT2P	N	115	AC,P2
Taylor	8824 VT2P	VT2P	N*	113	CM,C2
Taylor	9913 VT2P	VT2P	N	113	CM,C2
Taylor	EXP C-114-23	VT2P	N	114	AC,P2
Taylor	EXP C-116-23	TRE	N	116	AC,P2
Taylor	EXP C-117-23	VT2P	N	117	AC,P2
Wyffels	W7876RIB	VT2P	Y	114	AC,P2
Wyffels	W7945	TRE	N	114	AC,P2
Wyffels	W8306	VT2P	N	115	AC,P2
Wyffels	W8936DGRIB	VT2PDG	Y	117	AC,P2

* 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

^	Innotech™ brand seed is distributed by Rob-See-Co, LLC. Power Plus® brand seed is distributed by Burrus. Innotech™ is a trademark of Syngenta. Power Plus® is a registered trademark of Corteva Agriscience.
CK	Identifies a check product included in early- and full-season tests.
GC	Grower Comparison product included by FIRST when space permits.

Corn Technologies

AA	Agrisure® Above (CB,HX,LL,GT), formerly Agrisure® 3120
AM	Optimum® AcreMax®
AML	Optimum® AcreMax® Leptra® (Vip,YGCB,HX,LL,RR2)
D	Duracade™ (CB,HX,RW,RW2,LL,GT), formerly Agrisure Duracade® 5122
DV	DuracadeViptera™ (Vip,CB,HX,RW,RW2,LL,GT), formerly Agrisure Duracade® 5222
QR	Qrome™
STX	SmartStax®
TRE	Trecepta®
V	Viptera™ (Vip,CB,HX,LL,GT), formerly Agrisure Viptera® 3220
VT2P	VT Double PRO®
VT2PDG	VT Double PRO® DroughtGard®

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

Corn Seed Treatments*

NA	Not Available
AC250	Acceleron® 250
AC,P2	Acceleron® 250
AC,P2,B360	Acceleron® 250 with BioRise™ B-360 ST
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,SU+Zn	Acceleron® Poncho 500/Votivo, StepUp SP, StepUp Zn
AC,P5V,Va	Acceleron® Poncho 500/Votivo, Vayantis®
AVC,C2,CM,C5,Vi,Va	Avicta® Complete 250, CruiserMaxx 500, Vibrance®, Vayantis®
BPS	Burrus PowerShield
CM,C2	CruiserMaxx® 250
Lum	LumiGEN™ (Corteva Agriscience)
Lum, L1	(2022) LumiGEN, Lumisure 1250
Treated	Treated seed, unspecified

* Seed treatments may include unspecified plant health promoting components.