

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

## 2022 Corn Grain Top 30 Harvest Report

Missouri North [MONO] CAIRO, MO

Dale & Kyle Samp, Randolph County, MO

**Early-Season Test** 107 - 112 Day CRM  
B2022MONO03a

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

**PREV. CROP/HERB:** Soybeans / Prefix, Roundup

**SOIL DESCRIPTION:** Mexico silt loam, mod. poorly drained, non-irrigated

**SOIL CONDITION:** Minimum W/O Fall Till, very high P, very high K, 6.2 pH, 5.0% OM, 10.8 CEC

**PEST MANAGEMENT:** Distinct, Roundup, Atrazine, Callisto, Force 6.5g

**FERTILITY - Applied N:** 160 Spring, 30 Foliar Rescue

**Applied N-P-K (units):** 190-40-60

**SEEDED - RATE - ROW:** May 13 32.4 /A 30" spacing

**HARVESTED - STAND:** Oct 5 31.6 /A

### TEST COMMENTS:

Samp family farms are bringing in record corn yields this fall. Kyle Samp described this as being an outlier year – one he may not see again for some time. The trial was planted the same day as the surrounding field. It was slightly drier than normal every month of the growing season except July. Over two days (July 7th and 8th) this site received 3.5" of rain - just as pollination was getting underway. July totaled 7.4" of precipitation. Full ears with deep kernel set. No lodging, weed pressure, or disease pressure was observed. Excellent trial.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
AgVenture	AV6010AM ↗	AM	110	<b>287.9</b>	16.4	1	32.0	2073	1
FS InVision	FS 6017V RIB ↗	VT2P	110	<b>287.1</b>	16.1	1	32.0	2070	3
Lewis	12DT302 ↗	TRE	112	<b>286.9</b>	17.5	1	32.8	2055	7
Dyna-Gro	D50VC09RIB ↗	VT2P	110	<b>286.8</b>	15.8	1	30.8	2071	2
NuTech	68A9AM ↗	AM	108	<b>286.7</b>	16.1	1	32.3	2068	4
Taylor	6012 TRE ↗	TRE	111	<b>286.4</b>	16.4	1	31.8	2062	5
NuTech	70B4AM ↗	AM	110	<b>286.2</b>	16.5	1	32.5	2060	6
NuTech	70F6Q ↗	QR	110	<b>284.4</b>	16.4	1	31.5	2048	8
Green Valley	GV8212VT2PRIB ↗	VT2P	112	<b>283.6</b>	19.4	1	31.5	2013	14
Integra	5802 VT2PRIB ↗	VT2P	108	<b>282.4</b>	16.1	1	30.8	2037	9
Taylor	EXP A-110-23 ↗	VT2P	110	281.8	15.7	1	30.8	2036	10
Integra	6284 VT2PRIB ↗	VT2P	112	280.2	17.5	1	31.3	2007	15
Lewis	11DT912 ↗	TRE	111	279.9	15.8	1	31.3	2021	11
Taylor	8013 VT2PDG ↗	VT2PDG	112	278.8	18.2	1	31.8	1990	19
NuTech	72A8AM ↗	AM	112	278.3	16.6	1	32.0	2002	16
NuTech	72D4AM ↗	AM	112	278.3	16.5	1	32.0	2002	17
Integra	6061 TRERIB ↗	TRE	110	278.0	17.8	1	31.5	1988	20
Lewis	10DP719 ↗	VT2P	110	277.9	16.7	1	32.0	1998	18
Lewis	09DD740 ↗	VT2PDG	109	277.9	15.1	1	31.8	2014	13
Dyna-Gro	D52DC82RIB ↗	VT2PDG	112	275.9	16.4	1	30.8	1987	21
AgVenture	AV9610 ↗	AM	110	274.7	16.1	1	31.3	1981	22
NK Brand	NK1082-DV ↗	DV	110	274.7	16.8	1	31.8	1975	23
Burrus	5A84 VT2P ↗	VT2P	111	273.8	17.3	1	31.0	1963	26
NK Brand	NK1188-AA ↗	AA	111	273.4	16.7	1	31.3	1966	24
NuTech	68A7AM ↗	AM	108	272.3	15.9	1	31.5	1966	25
Green Valley	GV8022VT2PRIB ↗	VT2P	110	271.8	17.4	1	32.0	1948	29
Green Valley	GV8102VT2PRIB ↗	VT2P	111	271.4	17.1	1	31.3	1947	31
NuTech	70A8AM ↗	AM	110	271.0	16.2	1	31.8	1953	27
FS InVision	FS 6025X RIB ↗	STX	110	270.0	16.0	1	32.0	1948	30
FS InVision	FS 5829V RIB ↗	VT2P	108	269.2	15.3	1	32.0	1949	28
DEKALB	DKC62-70RIB CK	VT2P	112	279.9	16.6	1	32.3	2014	12
				<b>Averages =</b>	<b>276.2</b>	<b>16.5</b>	<b>1</b>	<b>31.6</b>	<b>1988</b>
				<b>LSD (0.10) =</b>	5.9	0.4	ns		
				<b>LSD (0.25) =</b>	3.1	0.2	ns		
				<b>C.V. =</b>	2.3				
william.schelp@firstseedtests.com, (573) 819-7968								Historic yield: 163.96 bu/a, 3 yr(s)	

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

Report Date: 10/08/2022

† 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] CAIRO, MO

Dale & Kyle Samp, Randolph County, MO

<b>Full-Season Test</b>	113 - 117 Day CRM B2022MONO03b
<b>Top 30 of 40</b>	For Gross Income (Sorted by Yield) Average of (4) Replications
<b>PREV. CROP/HERB:</b>	Soybeans / Prefix, Roundup
<b>SOIL DESCRIPTION:</b>	Mexico silt loam, mod. poorly drained, non-irrigated
<b>SOIL CONDITION:</b>	Minimum W/O Fall Till, very high P, very high K, 6.2 pH, 5.0% OM, 10.8 CEC
<b>PEST MANAGEMENT:</b>	Distinct, Roundup, Atrazine, Callisto, Force 6.5g
<b>FERTILITY - Applied N:</b>	160 Spring, 30 Foliar Rescue
<b>Applied N-P-K (units):</b>	190-40-60
<b>SEEDED - RATE - ROW:</b>	May 13 32.4 /A 30" spacing
<b>HARVESTED - STAND:</b>	Oct 5 31.5 /A

### TEST COMMENTS:

Samp family farms are bringing in record corn yields this fall. Kyle Samp described this as being an outlier year – one he may not see again for some time. The trial was planted the same day as the surrounding field. It was slightly drier than normal every month of the growing season except July. Over two days (July 7th and 8th) this site received 3.5" of rain - just as pollination was getting underway. July totaled 7.4" of precipitation. Full ears with deep kernel set. No lodging, weed pressure, or disease pressure was observed. Excellent trial.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Taylor	EXP C-114-23 ↗	VT2P	114	<b>294.6</b>	18.7	1	30.8	2097	1
DeKalb	DKC67-94RIB GC ↗	TRE	117	<b>287.3</b>	18.6	1	31.3	2046	2
FS InVision	FS 6627T RIB ↗	TRE	116	<b>287.2</b>	18.7	1	32.3	2045	3
Integra	6493 VT2P ↗	VT2P	114	<b>286.1</b>	19.1	1	31.0	2033	4
Wyllfells	W7945 ↗	TRE	114	<b>284.6</b>	18.5	1	31.5	2029	6
Dyna-Gro	D54VC34RIB ↗	VT2P	114	<b>283.9</b>	18.7	1	31.3	2021	7
FS InVision	FS 6595V RIB ↗	VT2P	115	<b>283.9</b>	19.1	1	30.8	2018	8
Integra	6342 TRERIB ↗	TRE	113	<b>282.9</b>	17.1	1	32.3	2030	5
Lewis	15DT512 ↗	TRE	115	282.3	18.3	1	31.8	2014	9
FS InVision	FS 6395VDG RIB ↗	VT2PDG	113	282.0	19.1	1	31.5	2004	10
Lewis	16DP850 ↗	VT2P	116	281.0	19.5	1	30.5	1993	13
Taylor	9913 VT2P ↗	VT2P	113	280.5	18.4	1	31.0	2000	11
Taylor	EXP C-116-23 ↗	TRE	116	280.4	20.0	1	31.5	1984	15
Burrus	6Y61 DGVT2P ↗	VT2PDG	113	280.3	18.8	1	31.3	1995	12
Lewis	15DP899 ↗	VT2P	115	279.0	18.7	1	31.3	1987	14
NuTech	77A5AM ↗	AM	117	278.5	18.8	1	32.3	1982	17
Wyllfells	W7876RIB ↗	VT2P	114	278.0	19.3	1	31.5	1973	18
Green Valley	GV8422VT2PRIB ↗	VT2P	114	277.9	19.7	1	31.0	1970	21
Wyllfells	W8306 ↗	VT2P	115	277.0	19.3	1	32.8	1967	22
Taylor	EXP C-117-23 ↗	VT2P	117	276.9	20.8	1	31.0	1952	26
FS InVision	FS 6625V RIB ↗	VT2P	116	276.4	19.3	1	31.3	1962	24
Green Valley	GV8392VT2PRIB ↗	VT2P	113	276.3	17.0	1	32.0	1984	16
Renk	RK958VT2P ↗	VT2P	115	276.1	18.8	1	31.0	1965	23
Taylor	8824 VT2P ↗	VT2P	113	275.4	17.5	1	31.3	1972	19
AgVenture	AV7913AM ↗	AM	113	275.4	17.6	1	31.0	1972	20
Wyllfells	W8936DGRIB ↗	VT2PDG	117	274.4	19.0	1	30.8	1951	27
NuTech	74C4AM ↗	AM	114	272.7	17.8	1	30.8	1950	29
AgVenture	AV4313AM ↗	AM	113	272.6	17.7	1	32.0	1951	28
Pioneer	P1464AML GC ↗	AML	114	271.9	19.1	1	32.0	1933	31
Hoegemeyer	8303 AM GC ↗	AM	113	271.6	17.5	1	32.5	1946	30
DEKALB	DKC62-70RIB CK	VT2P	112	273.5	17.6	1	31.5	1958	25
				<b>Averages =</b>	<b>276.1</b>	<b>18.7</b>	<b>1</b>	<b>31.5</b>	<b>1967</b>
				LSD (0.10) =	6.4	0.6	ns		
				LSD (0.25) =	3.3	0.3	ns		
				C.V. =	2.5	Historic yield: 163.96 bu/a, 3 yr(s)			

William Schelp

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

Report Date: 10/08/2022

† 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

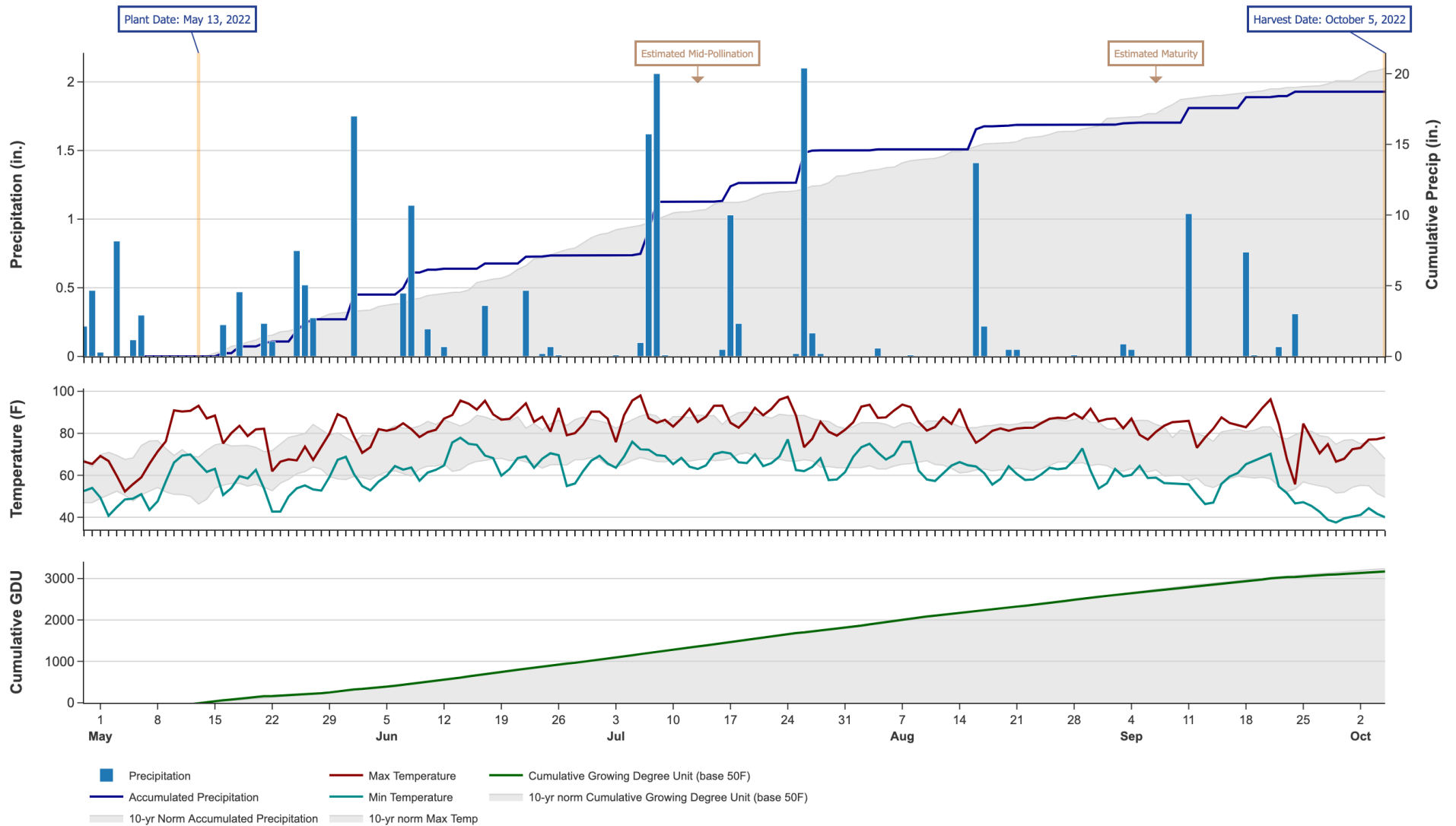
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# 2022 Corn - Missouri North [ MONO ]

## Weather Conditions Summary at CAIRO, MO

Monthly Total	Apr*	May	Jun	Jul	Aug	Sep	Oct*	Total
Precip (in)   Normal (Diff)	0.7   0.8 (-0.1)	3.9   5.1 (-1.1)	4.5   5.3 (-0.8)	7.4   4.4 (+3.0)	1.8   3.5 (-1.7)	2.3   3.2 (-0.9)	0.0   0.9 (-0.9)	20.7   23.1 (-2.4)
GDU   Normal (Diff)	19   15 (+3)	478   446 (+31)	711   719 (-8)	792   811 (-19)	753   755 (-2)	548   582 (-34)	64   66 (-2)	3365   3397 (-32)



\* 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

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^	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

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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\*

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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.