

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

2022 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 B2022MONO01a
Top 30 of 40	For Gross Income (Sorted by Yield) Average of (4) Replications
PREV. CROP/HERB:	Soybeans / Authority Elite, Liberty
SOIL DESCRIPTION:	Haynie silt loam, moderately drained, non-irrigated
SOIL CONDITION:	Minimum W/O Fall Till, medium P, very high K, 7.9 pH, 3.9% OM, 16.5 CEC
PEST MANAGEMENT:	Fultime Nxt, Atrazine, Armezon, Force 6.5g
FERTILITY - Applied N:	200 Spring
Applied N-P-K (units):	200-40-60
SEEDED - RATE - ROW:	Apr 22 32.4 /A 30" spacing
HARVESTED - STAND:	Oct 3 31.9 /A

TEST COMMENTS:

Early planting went well. This was the first trial planted for FIRST in 2022. Great stale seedbed conditions allowed for picket fence stands. The rain came when needed – even though the growing season was 4" short of normal. The largest rain event couldn't have come at a better time (July 7th), right during pollination. Drier bias took hold most of the summer and remainder of the growing season. No lodging and some tip-back were observed.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Green Valley	GV8212VT2PRIB ↗	VT2P	112	251.0	14.7	1	32.5	1820	1
NuTech	70B4AM ↗	AM	110	251.0	14.1	1	32.3	1820	2
Dyna-Gro	D52DC82RIB ↗	VT2PDG	112	248.0	14.1	1	32.0	1798	3
NuTech	68A9AM ↗	AM	108	246.6	13.9	1	32.5	1788	4
AgVenture	AV6010AM ↗	AM	110	246.4	14.0	1	31.0	1786	5
Integra	6284 VT2PRIB ↗	VT2P	112	245.2	14.4	1	32.0	1778	6
Burrus	5A84 VT2P ↗	VT2P	111	244.0	14.3	1	31.5	1769	7
FS InVision	FS 6025X RIB ↗	STX	110	243.6	13.9	1	32.0	1766	8
Taylor	8013 VT2PDG ↗	VT2PDG	112	242.2	14.6	1	31.8	1756	9
Golden Harvest	G10L16-DV ↗	DV	110	241.3	14.1	1	31.8	1749	10
NuTech	70F6Q ↗	QR	110	240.6	14.1	1	32.0	1744	11
Renk	RK830SSTX ↗	STX	112	237.9	14.0	1	32.5	1725	13
Lewis	09DD740 ↗	VT2PDG	109	237.2	13.8	1	31.5	1720	14
NK Brand	NK1188-AA ↗	AA	111	237.2	14.2	1	32.0	1720	15
NuTech	70A8AM ↗	AM	110	236.9	14.1	1	31.8	1718	16
NuTech	68A7AM ↗	AM	108	235.9	13.8	1	32.5	1710	17
Taylor	EXP A-110-23 ↗	VT2P	110	235.2	13.8	1	32.0	1705	18
Integra	6061 TRERIB ↗	TRE	110	234.6	14.1	1	32.3	1701	19
NuTech	72A8AM ↗	AM	112	234.6	14.2	1	31.3	1701	20
FS InVision	FS 6194V RIB ↗	VT2P	111	234.1	13.9	1	31.8	1697	21
NK Brand	NK1082-DV ↗	DV	110	233.7	13.9	1	31.8	1694	22
NuTech	72D4AM ↗	AM	112	232.7	14.2	1	31.8	1687	23
Taylor	6012 TRE ↗	TRE	111	232.4	14.2	1	31.5	1685	24
Integra	5802 VT2PRIB ↗	VT2P	108	231.7	13.8	1	32.5	1680	25
Lewis	11DT912 ↗	TRE	111	231.1	13.8	1	31.8	1675	26
FS InVision	FS 6217T RIB ↗	TRE	112	231.1	14.2	1	32.0	1675	27
Renk	RK805VT2P ↗	VT2P	110	230.0	13.9	1	32.0	1668	28
AgVenture	AV9610 ↗	AM	110	228.9	14.0	1	32.5	1660	29
Lewis	12DT302 ↗	TRE	112	228.1	14.1	1	31.8	1654	30
Green Valley	GV8102VT2PRIB ↗	VT2P	111	228.0	14.1	1	32.3	1653	31
DEKALB	DKC62-70RIB CK	VT2P	112	239.2	14.2	1	32.0	1734	12
				Averages =	234.8	14.0	1	31.9	1701
				LSD (0.10) =	7.6	0.2	ns		
				LSD (0.25) =	4.0	0.1	ns		
				C.V. =	3.6				
				Historic yield: 211.99 bu/a, 4 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: 10/04/2022

† 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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Full-Season Test	113 - 117 Day CRM B2022MONO01b
Top 30 of 40	For Gross Income (Sorted by Yield) Average of (4) Replications
PREV. CROP/HERB:	Soybeans / Authority Elite, Liberty
SOIL DESCRIPTION:	Haynie silt loam, moderately drained, non-irrigated
SOIL CONDITION:	Minimum W/O Fall Till, medium P, very high K, 7.9 pH, 3.9% OM, 16.5 CEC
PEST MANAGEMENT:	Fultime Nxt, Atrazine, Armezon, Force 6.5g
FERTILITY - Applied N:	200 Spring
Applied N-P-K (units):	200-40-60
SEEDED - RATE - ROW:	Apr 22 32.4 /A 30" spacing
HARVESTED - STAND:	Oct 3 31.9 /A

TEST COMMENTS:

Early planting went well. This was the first trial planted for FIRST in 2022. Great stale seedbed conditions allowed for picket fence stands. The rain came when needed – even though the growing season was 4" short of normal. The largest rain event couldn't have come at a better time (July 7th), right during pollination. Drier bias took hold most of the summer and remainder of the growing season. No lodging and some tip-back were observed.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
FS InVision	FS 6595V RIB ↗	VT2P	115	249.4	14.7	1	32.0	1807	1
Renk	RK958VT2P ↗	VT2P	115	246.4	14.5	1	31.8	1786	2
Dyna-Gro	D54VC34RIB ↗	VT2P	114	246.2	14.7	1	31.8	1785	3
Wyffels	W7876RIB ↗	VT2P	114	244.1	14.7	1	31.8	1770	4
FS InVision	FS 6627T RIB ↗	TRE	116	244.0	14.6	1	31.8	1768	5
Green Valley	GV8422VT2PRIB ↗	VT2P	114	242.8	14.7	1	31.5	1760	6
Taylor	EXP C-117-23 ↗	VT2P	117	242.4	15.4	1	32.0	1754	7
Integra	6493 VT2P ↗	VT2P	114	241.6	14.6	1	32.3	1752	8
Taylor	8824 VT2P ↗	VT2P	113	241.2	14.5	1	32.0	1749	9
Lewis	15DP899 ↗	VT2P	115	241.1	14.5	1	32.0	1748	10
Burrus	POWER PLUS 6W81AM ↗	AM	113	240.9	14.3	1	31.8	1747	11
FS InVision	FS 6395VDG RIB ↗	VT2PDG	113	240.4	14.6	1	31.8	1743	12
Taylor	EXP C-116-23 ↗	TRE	116	240.2	15.1	1	31.3	1740	13
Wyffels	W8306 ↗	VT2P	115	239.6	14.5	1	31.8	1737	14
Integra	6342 TRERIB ↗	TRE	113	239.4	14.2	1	32.0	1736	15
Taylor	EXP C-114-23 ↗	VT2P	114	237.2	14.8	1	33.0	1720	16
Taylor	9913 VT2P ↗	VT2P	113	237.0	14.5	1	32.3	1718	17
DeKalb	DKC67-94RIB GC ↗	TRE	117	236.3	14.7	1	31.5	1713	18
Lewis	15DT512 ↗	TRE	115	232.6	14.9	1	31.8	1686	19
Integra	6410 VT2PRIB ↗	VT2P	114	231.7	14.7	1	32.0	1680	20
Burrus	6Y61 DGVT2P ↗	VT2PDG	113	231.3	14.6	1	32.0	1676	21
FS InVision	FS 6625V RIB ↗	VT2P	116	230.7	14.8	1	31.3	1673	22
Lewis	16DP850 ↗	VT2P	116	230.4	14.6	1	32.0	1670	23
NuTech	77A5AM ↗	AM	117	229.8	14.3	1	32.3	1666	24
AgVenture	AV7913AM ↗	AM	113	228.3	14.7	1	32.3	1655	25
Wyffels	W7945 ↗	TRE	114	227.8	14.4	1	31.8	1652	26
Integra	6555 VT2PRIB ↗	VT2P	115	226.2	14.3	1	32.0	1640	27
Pioneer	P1464AML GC ↗	AML	114	224.8	14.3	1	31.5	1630	29
Golden Harvest	G15J91-V ↗	V	115	223.8	14.6	1	32.5	1623	30
NuTech	74C4AM ↗	AM	114	222.9	14.8	1	32.3	1615	31
DEKALB	DKC62-70RIB CK	VT2P	112	225.1	14.4	1	32.0	1632	28
				Averages =	232.1	14.6	1	31.9	1683
				LSD (0.10) =	9.5	0.3	ns		
				LSD (0.25) =	5.0	0.1	ns		
				C.V. =	4.5				
				Historic yield: 211.99 bu/a, 4 yr(s)					

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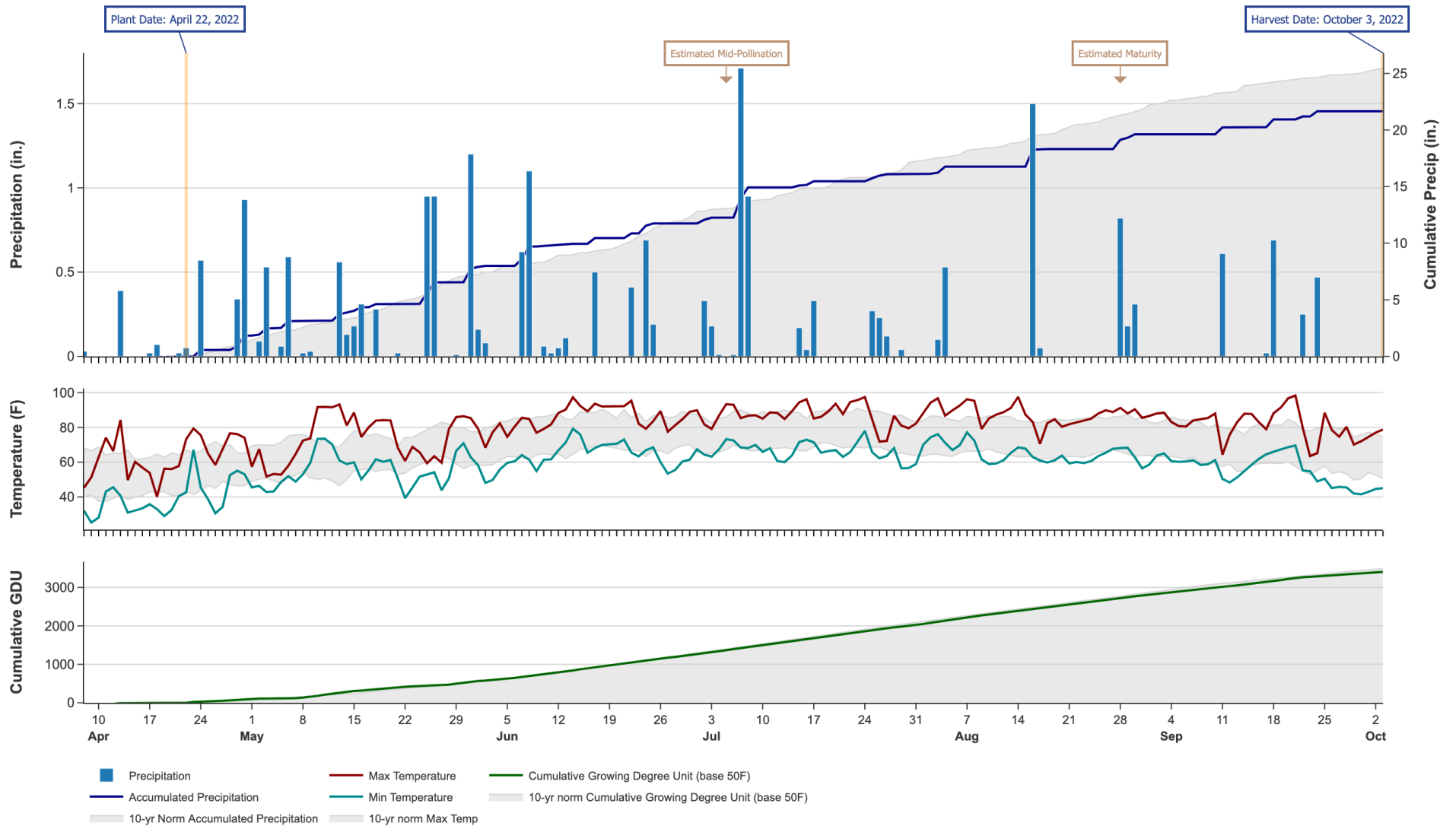
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2022 Corn - Missouri North [MONO]

Weather Conditions Summary at ST. JOSEPH, MO

Monthly Total	Apr*	May	Jun	Jul	Aug	Sep	Oct*	Total
Precip (in) Normal (Diff)	2.4 2.5 (-0.1)	5.9 5.9 (-0.0)	4.0 5.1 (-1.1)	4.4 5.0 (-0.6)	3.5 4.5 (-1.1)	2.0 3.2 (-1.2)	0.0 0.4 (-0.4)	22.2 26.8 (-4.5)
GDU Normal (Diff)	145 184 (-39)	453 453 (0)	690 747 (-57)	781 822 (-41)	769 765 (+3)	573 582 (-9)	40 42 (-2)	3451 3598 (-147)



* 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.