

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

2021 Corn Grain Top 30 Harvest Report

Missouri North [MONO] CAIRO, MO

Dale & Kyle Samp, Randolph County, MO

Early-Season Test 107 - 112 Day CRM
B2021MONO03a

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

PREV. CROP/HERB: Soybean / Prefix, Roundup
Powermax

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

SOIL CONDITION: Minimum W/O Fall Till, high P,
high K, 5.7 pH, 2.5% OM, 12.8
CEC

PEST MANAGEMENT: Distinct, Bicep li Magnum,
Mustang Max, Callisto, Atrazine,
Roundup Powermax, Force
6.5g

FERTILITY - Applied N: 80 Spring, 100 Sidedress, Zinc
and Sulfur

Applied N-P-K (units): 180-70-90

SEEDED - RATE - ROW: Jun 4 30.4 /A 30" spacing

HARVESTED - STAND: Oct 9 30.0 /A

TEST COMMENTS:

This trial was planted on May 6 for the first time. Cool wet weather followed and the seed rotted. Many replant acres from May planted crops were reported and observed in both north-central and central-northeast Missouri this year. The surrounding field and the trial were replanted in early June. During a site visit in July, the crop was struggling to thrive in what mother nature was tossing out. Above-average June rainfall may have hindered root development. Above-average temperatures during pollination occurred, and hail in August. Results show performance in these tough conditions.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Burrus	POWER PLUS 5L44AM ↗	AM	110	162.2	19.7	2	30.0	785	1
FS InVision	FS 6107T RIB ↗	TRE	111	161.2	18.8	1	29.5	785	2
Wyffels	W7416 ↗	VT2P	112	159.0	22.6	1	30.8	753	7
Lewis	09DD740 ↗	VT2PDG	109	157.9	19.0	1	30.0	767	3
Midland Genetics	582TRE RIB ↗	TRE	111	157.0	19.7	1	30.8	759	5
Integra	5719 VT2PRIB ↗	VT2P	107	156.4	17.9	3	30.0	766	4
Golden Harvest	G11V76-5122 EZR ↗	5122	111	156.1	19.5	1	30.3	756	6
Lewis	12DT302 ↗	TRE	112	155.7	21.3	1	29.8	744	10
Taylor	EXP C-112-22 VT2P ↗	VT2P	112	155.2	24.2	1	29.8	726	12
Taylor	8013 VT2PDGRIB ↗	VT2PDG	112	154.9	19.3	1	29.8	751	8
NuTech	70A8AM ↗	AM	110	154.7	20.3	1	29.8	745	9
Burrus	POWER PLUS 4C14AM ↗	AM	108	154.5	21.4	1	30.8	738	11
Taylor	EXP C-111-22 VT2P ↗	VT2P	111	153.8	24.1	1	30.0	720	13
Green Valley	GV8102VT2PRIB ↗	VT2P	111	150.0	22.1	1	29.5	713	15
Renk	RK882TRE ↗	TRE	111	149.9	22.5	3	29.3	710	18
Renk	RK826VT2P ↗	VT2P	111	148.0	20.4	1	29.8	712	16
NuTech	72D4AM ↗	AM	112	147.9	22.0	1	30.5	703	20
FS InVision	FS 6194V RIB ↗	VT2P	111	147.7	20.1	2	30.3	712	17
Taylor	6011 VT2P ↗	VT2P	111	147.1	21.5	1	30.3	702	21
Integra	6061 TRERIB ↗	TRE	110	145.7	22.4	1	29.5	691	23
Wyffels	W7536DG ↗	VT2PDG	112	145.6	22.5	1	30.0	690	24
Lewis	08DP739 ↗	VT2P	108	144.5	16.7	1	30.0	714	14
Golden Harvest	G08R52-3220 EZR ↗	3220	108	143.0	18.6	1	30.0	697	22
NuTech	70F2Q ↗	QR	110	142.9	22.8	1	30.0	676	26
NK Brand	NK1188-3120 EZR ↗	3120	111	142.7	22.5	1	30.0	676	27
NuTech	68B3AML ↗	AML	108	141.0	20.4	1	29.8	678	25
NuTech	68A7AM ↗	AM	108	140.6	21.2	1	30.3	672	28
Integra	5802 VT2PRIB ↗	VT2P	108	134.0	19.0	3	30.5	651	29
Renk	RK821SSTX ↗	STX	111	133.8	21.9	2	29.8	637	30
NuTech	72B7Q ↗	QR	112	133.0	21.0	1	30.0	637	31
DeKalb	DKC62-89RIB CK	TRE	112	151.4	24.7	1	29.5	706	19
				Averages =	135.5	21.5	5	30.0	649
				LSD (0.10) =	17.2	2.0	9		
				LSD (0.25) =	9.0	1.1	5		
William Schelp				C.V. =	13.9				
william.schelp@firstseedtests.com, (573) 819-7968									Historic yield: 202.09 bu/a, 2 yr(s)

Yield & Income Factors: Base Moisture = 15.0% Shrink = 1.3 Drying = \$0.035 Prices: GMO = \$5.00; non-GMO = \$5.00

Report Date: 10/14/2021

† 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. ↗ New! Links to full product yield results at www.firstseedtests.com

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2021 Corn Grain Top 30 Harvest Report

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

Full-Season Test 113 - 116 Day CRM
B2021MONO03b

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

PREV. CROP/HERB: Soybean / Prefix, Roundup
Powermax

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

SOIL CONDITION: Minimum W/O Fall Till, high P,
high K, 5.7 pH, 2.5% OM, 12.8
CEC

PEST MANAGEMENT: Distinct, Bicep li Magnum,
Mustang Max, Callisto, Atrazine,
Roundup Powermax, Force
6.5g

FERTILITY - Applied N: 80 Spring, 100 Sidedress, Zinc
and Sulfur

Applied N-P-K (units): 180-70-90

SEEDED - RATE - ROW: Jun 4 30.4 /A 30" spacing

HARVESTED - STAND: Oct 9 29.9 /A

TEST COMMENTS:

This trial was planted on May 6 for the first time. Cool wet weather followed and the seed rotted. Many replant acres from May planted crops were reported and observed in both north-central and central-northeast Missouri this year. The surrounding field and the trial were replanted in early June. During a site visit in July, the crop was struggling to thrive in what mother nature was tossing out. Above-average June rainfall may have hindered root development. Above-average temperatures during pollination occurred, and hail in August. Results show performance in these tough conditions.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
NK Brand	NK1661-3120A EZR ↗	3120A	116	156.0	23.4	1	29.8	734	2
Integra	6342 TRERIB ↗	TRE	113	151.5	23.0	1	29.5	715	4
AgriGold	A645-16VT2RIB GC ↗	VT2P	115	150.8	15.6	1	29.0	751	1
FS InVision	FS 6406X RIB ↗	STX	114	149.9	24.1	1	29.5	702	6
Lewis	13DT272 ↗	TRE	113	148.9	23.6	1	30.7	700	7
Green Valley	GV8392VT2PRIB ↗	VT2P	113	148.5	19.7	2	30.0	717	3
Wyffels	W7956RIB ↗	VT2P	114	148.4	22.0	1	30.0	706	5
NK Brand	NK1523-3220 EZR ↗	3220	115	147.7	22.7	1	30.3	699	8
Midland Genetics	662TRE RIB ↗	TRE	113	147.6	23.7	2	30.0	693	9
FS InVision	FS 6606T RIB ↗	TRE	116	147.2	24.7	1	30.3	686	11
Golden Harvest	G15J91-3220 EZR ↗	3220	115	145.1	21.7	1	29.5	691	10
Burrus	POWER PLUS 6J92AM ↗	AM	113	144.2	22.9	1	29.3	681	13
NuTech	74B6AM ↗	AM	114	143.7	21.8	1	30.0	684	12
Midland Genetics	660PR DG RIB ↗	VT2PDG	113	143.6	23.8	1	29.8	674	14
Renk	RK907SSTX ↗	STX	115	142.7	24.3	1	30.0	667	15
Dyna-Gro	D54VC34 ↗	VT2P	114	141.6	24.3	1	29.8	662	16
Lewis	15DT512 ↗	TRE	115	141.2	25.3	1	30.0	655	18
FS InVision	FS 6306T RIB ↗	TRE	113	140.8	24.8	4	29.8	656	17
Golden Harvest	G16Q82-3120A EZR ↗	3120A	116	140.8	24.9	1	29.5	655	19
Wyffels	W7876RIB ↗	VT2P	114	139.2	26.0	2	29.5	642	25
Integra	6555 VT2PRIB ↗	VT2P	114	139.0	26.3	1	29.5	640	26
Wyffels	W8936DGRIB ↗	VT2PDG	117	138.8	28.6	1	30.0	628	28
Midland Genetics	621PR RIB ↗	VT2P	114	138.7	27.1	1	30.8	635	27
Renk	RK895DGV2P ↗	VT2PDG	113	138.3	24.4	2	30.0	646	21
NK Brand	NK1349-3220 EZR ↗	3220	113	137.1	23.2	3	29.8	646	22
Lewis	15DP899 ↗	VT2P	115	137.0	27.8	2	29.8	624	30
FS InVision	FS 6395VDG RIB ↗	VT2PDG	113	136.8	23.5	1	29.8	644	23
NuTech	74A9AM ↗	AM	114	136.7	23.2	1	29.8	644	24
Golden Harvest	G13D55-3220 EZR ↗	3220	113	136.1	22.1	1	29.8	647	20
Taylor	EXP C-114-22 VT2P ↗	VT2P	114	134.8	25.4	3	30.0	625	29
DeKalb	DKC62-89RIB CK	TRE	112	134.7	26.8	1	30.8	618	33
				Averages =	134.4	25.0	3	29.9	625
				LSD (0.10) =	13.0	2.5	5		
				LSD (0.25) =	6.8	1.3	3		
William Schelp				C.V. =	10.6				
william.schelp@firstseedtests.com, (573) 819-7968				Historic yield: 202.09 bu/a, 2 yr(s)					

Yield & Income Factors: Base Moisture = 15.0% Shrink = 1.3 Drying = \$0.035 Prices: GMO = \$5.00; non-GMO = \$5.00

Report Date: 10/14/2021

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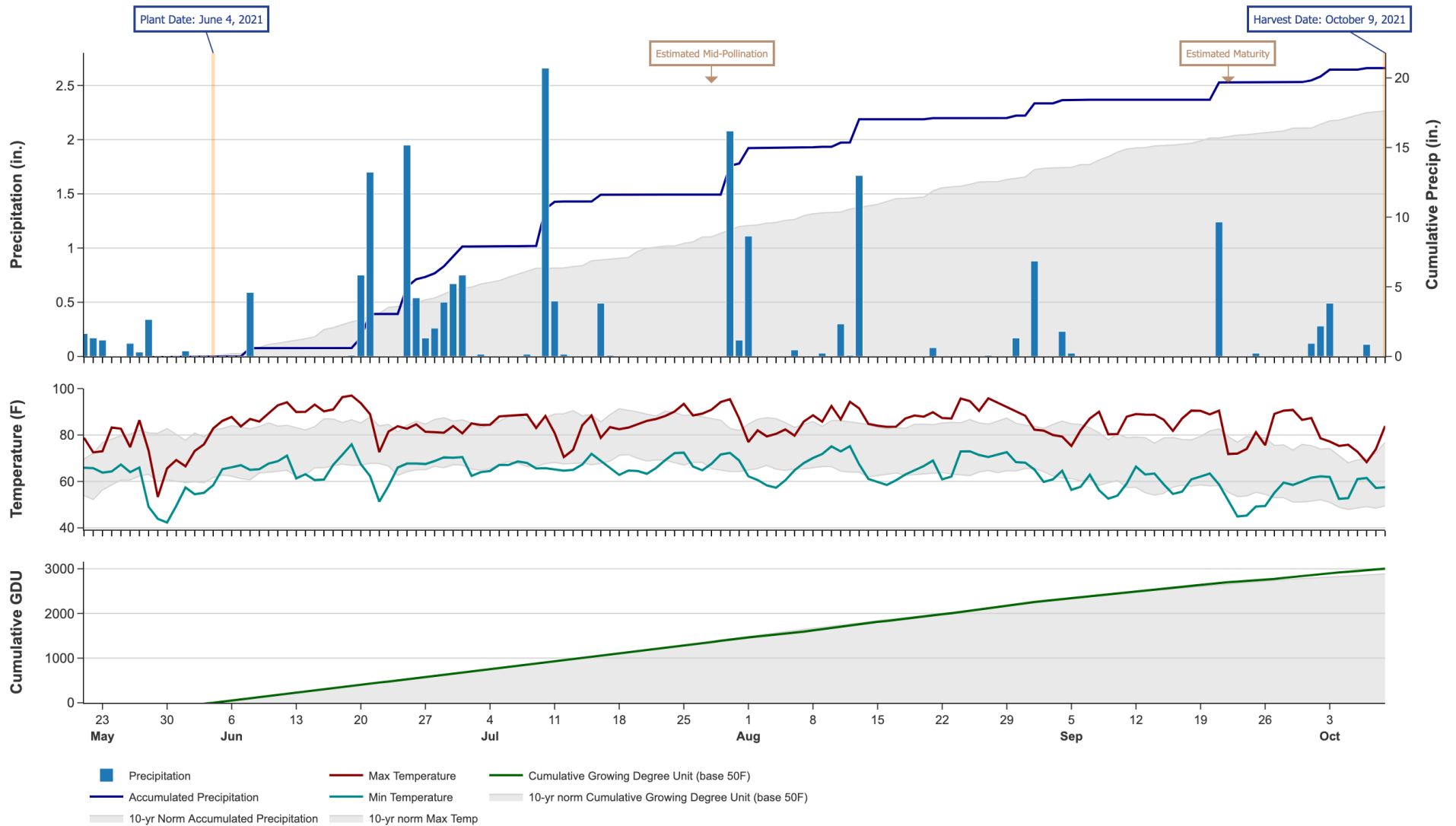
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2021 Corn - Missouri North [MONO]

Weather Conditions Summary at CAIRO, MO

Monthly Total	May*	Jun	Jul	Aug	Sep	Oct*	Total
Precip (in) Normal (Diff)	1.0 2.1 (-1.1)	7.2 5.3 (+1.9)	6.7 4.6 (+2.1)	3.4 3.5 (-0.1)	2.4 3.5 (-1.1)	1.0 1.2 (-0.2)	21.8 20.3 (+1.5)
GDU Normal (Diff)	183 205 (-22)	715 721 (-6)	790 822 (-32)	791 761 (+29)	607 557 (+49)	160 102 (+57)	3246 3172 (+73)



* 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.

2021 Corn - Missouri North [MONO]

Early-Season Test Products (48 Total)

Company/Brand	Product/Brand	Technology	RIB	RM	Seed Treat.
Augusta	A1259-5222	5222	N	109	CM,C2
Burrus	POWER PLUS 4C14AM	AM	Y	108	Lum
Burrus	POWER PLUS 5L44AM	AM	Y	110	Lum,P1V
DeKalb	DKC62-89RIB CK	TRE	Y	112	Treated
Dyna-Gro	D50VC09	VT2P	N	110	AC,P5V
FS InVision	FS 6017V RIB	VT2P	Y	110	AC,P5V,EDC-EL
FS InVision	FS 6106X RIB	STX	Y	111	AC,P5V
FS InVision	FS 6107T RIB	TRE	Y	111	AC,P5V
FS InVision	FS 6194V RIB	VT2P	Y	111	AC,P5V
FS InVision	FS 6217X RIB	STX	Y	112	AC,P5V,EDC-EL
Golden Harvest	G08R52-3220 EZR	3220	Y	108	AVC,C5,Vi
Golden Harvest	G10D21-3330 EZR	3330	Y	110	AVC,C5,Vi
Golden Harvest	G10L16-5222 EZR	5222	Y	110	AVC,C5,Vi
Golden Harvest	G11V76-5122 EZR	5122	Y	111	AVC,C5,Vi
Golden Harvest	G12S75-5122 EZR	5122	Y	112	AVC,C5,Vi
Green Valley	GV8102VT2PRIB	VT2P	Y	111	AC250
Green Valley	GV8212VT2PRIB	VT2P	Y	112	AC250
Integra	5719 VT2PRIB	VT2P	Y	107	AC,P2,SU
Integra	5802 VT2PRIB	VT2P	Y	108	AC,P5V,EDC-B
Integra	6061 TRERIB	TRE	Y	110	AC,P5V,SU
Integra	6162 VT2PRIB	VT2P	Y	111	AC,P5V,EDC-B
Lewis	08DP739	VT2P	Y	108	AC,P2,B360
Lewis	09DD740	VT2PDG	Y	109	AC,P5,EDC
Lewis	10DP719	VT2P	Y	110	AC,P2,B360
Lewis	11DT912	TRE	Y	111	AC,P5,EDC
Lewis	12DT302	TRE	Y	112	AC,P5,EDC
Midland Genetics	381VLGA EZ1	3220A	Y	108	Edge-CST
Midland Genetics	411PR RIB	VT2P	Y	110	Edge-CST
Midland Genetics	570PR RIB	VT2P	Y	112	Edge-CST
Midland Genetics	582TRE RIB	TRE	Y	111	Edge-CST
NK Brand	NK1082-3220A EZR	3220A	Y	110	AVC,C5,Vi
NK Brand	NK1188-3120 EZR	3120	Y	111	AVC,C5,Vi
NuTech	68A7AM	AM	Y	108	Lum,P1V
NuTech	68B3AML	AML	Y	108	Lum,P1V
NuTech	70A8AM	AM	Y	110	Lum,P1V
NuTech	70F2Q	QR	Y	110	Lum,P1V
NuTech	72B7Q	QR	Y	112	Lum,P1V
NuTech	72D4AM	AM	Y	112	Lum,P1V
Renk	RK821SSTX	STX	N	111	AC,P5V
Renk	RK826VT2P	VT2P	N	111	AC,P5V
Renk	RK882TRE	TRE	N	111	AC,P2
Taylor	6011 VT2P	VT2P	N	111	AC,P2

Company/Brand	Brand/Product	Technology	RIB	RM	Seed Treat.
Taylor	8013 VT2PDGRIB	VT2PDG	Y	112	CM,C2,Vi
Taylor	9907 VT2P	VT2P	N	107	AC,P2
Taylor	EXP C-111-22 VT2P	VT2P	N	111	AC,P2
Taylor	EXP C-112-22 VT2P	VT2P	N	112	AC,P2
Wyffels	W7416	VT2P	N	112	AC,P2
Wyffels	W7536DG	VT2PDG	N	112	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.

2021 Corn - Missouri North [MONO]

Full-Season Test Products (48 Total)

Company/Brand	Product/Brand	Technology	RIB	RM	Seed Treat.
AgriGold	A645-16VT2RIB GC	VT2P	Y	115	AC,P5V
Burrus	7K64 DGVT2P	VT2PDG	Y	115	BPS
Burrus	POWER PLUS 6J92AM	AM	Y	113	BPS
DeKalb	DKC62-89RIB CK	TRE	Y	112	Treated
Dyna-Gro	D54VC34	VT2P	N	114	AC,P5V
FS InVision	FS 6306T RIB	TRE	Y	113	AC,P5V
FS InVision	FS 6395VDG RIB	VT2PDG	Y	113	AC,P5V
FS InVision	FS 6406X RIB	STX	Y	114	AC,P5V
FS InVision	FS 6595V RIB	VT2P	Y	115	AC,P5V
FS InVision	FS 6606T RIB	TRE	Y	116	AC,P5V
Golden Harvest	G13D55-3220 EZR	3220	Y	113	AVC,C5,Vi
Golden Harvest	G13P84-3120 EZR	3120	Y	113	AVC,C5,Vi
Golden Harvest	G15J91-3220 EZR	3220	Y	115	AVC,C5,Vi
Golden Harvest	G16Q82-3120A EZR	3120A	Y	116	AVC,C5,Vi
Golden Harvest	G17E95-3110	3110	N	117	AVC,C2,Vi
Green Valley	GV8392VT2PRIB	VT2P	Y	113	AC250
Hoegemeyer	8447AM GC	AM	Y	114	Treated
Integra	6342 TRERIB	TRE	Y	113	AC,P5V,EDC-B
Integra	6410 VT2PRIB	VT2P	Y	114	AC,P5V,SU
Integra	6555 VT2PRIB	VT2P	Y	114	AC,P5V,SU
Integra	6641 VT2PRIB	VT2P	Y	116	AC,P5V,SU
Integra	6695 TRERIB	TRE	Y	116	AC,P5V,SU
Lewis	13DT272	TRE	Y	113	AC,P5,EDC
Lewis	15DP899	VT2P	Y	115	AC,P2,B360
Lewis	15DT512	TRE	Y	115	AC,P5,EDC
Lewis	16DP850	VT2P	Y	116	AC,P5,EDC
Lewis	17DP651	VT2P	Y	117	AC,P5,EDC
Midland Genetics	621PR RIB	VT2P	Y	114	Edge-CST
Midland Genetics	660PR DG RIB	VT2PDG	Y	113	Edge-CST
Midland Genetics	662TRE RIB	TRE	Y	113	Edge-CST
Midland Genetics	782PR RIB	VT2P	Y	115	Edge-CST
NK Brand	NK1349-3220 EZR	3220	Y	113	AVC,C5,Vi
NK Brand	NK1523-3220 EZR	3220	Y	115	AVC,C5,Vi
NK Brand	NK1661-3120A EZR	3120A	Y	116	AVC,C5,Vi
NuTech	74A9AM	AM	Y	114	Lum,P1V
NuTech	74B6AM	AM	Y	114	Lum,P1V
NuTech	74F3AM	AM	Y	114	Lum,P1V
NuTech	77A5AM	AM	Y	117	Lum,P1V
Pioneer	P1380AM GC	AM	Y	113	Lum
Renk	RK895DGVT2P	VT2PDG	N	113	AC,P5V
Renk	RK907SSTX	STX	N	115	AC,P5V
Renk	RK915VT2P	VT2P	N	115	AC,P5V

Company/Brand	Brand/Product	Technology	RIB	RM	Seed Treat.
Taylor	8824 VT2PRIB	VT2P	Y	113	CM,C2,Vi
Taylor	9915 VT2P	VT2P	N	115	CM,C2,Vi
Taylor	EXP C-114-22 VT2P	VT2P	N	114	AC,P2
Wyffels	W7876RIB	VT2P	Y	114	AC,P2
Wyffels	W7956RIB	VT2P	Y	114	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

3110	Agrisure® Viptera® 3110 (Vip, CB,LL,GT)
3120	Agrisure® 3120 (CB,HX,LL,GT)
3120A	Agrisure® Artesian® 3120 (CB,HX,LL,GT)
3220	Agrisure® Viptera® 3220 (Vip,CB,HX,LL,GT)
3220A	Agrisure® Artesian® Viptera® 3220 (Vip,CB,HX,LL,GT)
3330	Agrisure® Viptera® 3330 (Vip,CB,LL,GT)
5122	Agrisure® Duracade™ 5122
5222	Agrisure® Duracade™ 5222
AM	Optimum® AcreMax®
AML	Optimum® AcreMax® Leptra® (Vip,YGCB,HX,LL,RR2)
QR	Qrome™
STX	SmartStax®
TRE	Genuity® Trecepta™
VT2P	Genuity® VT Double PRO®
VT2PDG	Genuity® 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,P2,SU	Acceleron® 250, StepUp
AC,P5,EDC	Acceleron® 500, Enhanced Disease Control
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	Acceleron® Poncho 500/Votivo, StepUp
AVC,C2,Vi	Avicta® Complete 250, Vibrance®
AVC,C5,Vi	Avicta® Complete 500, Vibrance
BPS	Burrus PowerShield
CM,C2	CruiserMaxx® 250
CM,C2,Vi	CruiserMaxx® 250 with Vibrance
Edge-CST	Vibrance® Cinco + Cruiser® (Midland Genetics)
Lum	LumiGEN™ (Corteva Agriscience)
Lum,P1V	LumiGEN™ Poncho 1250/Votivo
Treated	Treated seed, unspecified

* Seed treatments may include unspecified plant health promoting components.