

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

2021 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 B2021MONO01a
Top 30 of 48	For Gross Income (Sorted by Yield) Average of (4) Replications
PREV. CROP/HERB:	Soybean / Authority Elite, Roundup
SOIL DESCRIPTION:	Waldron silty clay loam, moderately drained, non- irrigated
SOIL CONDITION:	Conventional W/O Fall Till, high P, very high K, 7.8 pH, 2.3% OM, 25.9 CEC
PEST MANAGEMENT:	Fulltime Nxt, Armezon, Atrazine, Force 6.5g
FERTILITY - Applied N:	200 Spring
Applied N-P-K (units):	200-40-60
SEEDED - RATE - ROW:	May 5 32.4 /A 30" spacing
HARVESTED - STAND:	Sep 24 32.0 /A

TEST COMMENTS:

Planted into a good seedbed. Great emergence followed. The trial pollinated in mid-July, smack dab in the middle of 3.7" precipitation deficit compared to July averages here. Plant height and stalk quality differences were noted in small pockets during harvest. The water table is high in this location, close to the Missouri River. There were slight soil differences that may have caused some variability in these droughty conditions.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank	
Taylor	8013 VT2PDGRIB ↗	VT2PDG	112	255.5	16.2	1	32.0	1266	1	
FS InVision	FS 6217X RIB ↗	STX	112	255.0	16.8	1	31.3	1259	2	
Midland Genetics	582TRE RIB ↗	TRE	111	254.2	17.0	1	32.0	1253	4	
Midland Genetics	570PR RIB ↗	VT2P	112	253.5	16.5	1	32.3	1253	5	
Integra	6162 VT2PRIB ↗	VT2P	111	252.8	15.7	1	32.0	1258	3	
Burrus	POWER PLUS 4C14AM ↗	AM	108	249.0	15.3	1	31.8	1242	6	
Green Valley	GV8212VT2PRIB ↗	VT2P	112	247.2	16.5	1	31.8	1223	9	
NuTech	68A7AM ↗	AM	108	246.9	15.3	1	32.0	1232	8	
FS InVision	FS 6107T RIB ↗	TRE	111	246.7	14.5	1	32.3	1234	7	
NuTech	72D4AM ↗	AM	112	243.2	16.0	1	32.8	1207	11	
NuTech	70A8AM ↗	AM	110	242.7	16.0	1	32.0	1205	12	
Wyffels	W7536DG ↗	VT2PDG	112	242.2	16.5	1	31.5	1199	13	
FS InVision	FS 6017V RIB ↗	VT2P	110	242.0	14.7	1	32.5	1210	10	
Lewis	12DT302 ↗	TRE	112	240.7	15.6	1	32.3	1199	14	
NK Brand	NK1188-3120 EZR ↗	3120	111	238.0	16.6	1	32.0	1177	16	
Integra	5802 VT2PRIB ↗	VT2P	108	237.0	14.6	1	32.5	1185	15	
Golden Harvest	G11V76-5122 EZR ↗	5122	111	233.7	15.9	1	32.7	1161	17	
Augusta	A1259-5222 ↗	5222	109	232.8	15.8	1	31.5	1157	18	
Taylor	9907 VT2P ↗	VT2P	107	231.4	14.9	1	32.0	1157	19	
Lewis	09DD740 ↗	VT2PDG	109	230.8	14.6	1	32.0	1154	20	
Taylor	EXP C-112-22 VT2P ↗	VT2P	112	230.2	15.2	1	32.3	1149	22	
Lewis	10DP719 ↗	VT2P	110	228.1	14.8	1	31.8	1140	23	
Renk	RK826VT2P ↗	VT2P	111	227.6	15.3	1	31.5	1136	24	
Green Valley	GV8102VT2PRIB ↗	VT2P	111	226.8	15.7	1	31.3	1128	26	
Burrus	POWER PLUS 5L44AM ↗	AM	110	226.6	15.5	1	31.8	1129	25	
Renk	RK821SSTX ↗	STX	111	225.1	15.2	1	32.0	1124	27	
Golden Harvest	G10D21-3330 EZR ↗	3330	110	224.4	15.9	1	31.8	1114	29	
Lewis	11DT912 ↗	TRE	111	223.3	14.7	1	31.5	1116	28	
FS InVision	FS 6106X RIB ↗	STX	111	221.8	14.6	1	32.5	1109	30	
NuTech	68B3AML ↗	AML	108	221.8	15.3	1	32.3	1106	31	
DeKalb	DKC62-89RIB CK	TRE	112	232.0	16.0	1	32.0	1152	21	
				Averages =	228.7	15.5	1	32.0	1139	
				LSD (0.10) =	15.6	0.6	ns			
				LSD (0.25) =	8.2	0.3	ns			
				C.V. =	7.5					
								Historic yield: 208.32 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 = \$5.00; non-GMO = \$5.00

Report Date: 10/07/2021

† 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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Missouri North [MONO] ST. JOSEPH, MO
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Full-Season Test	113 - 116 Day CRM B2021MONO01b
Top 30 of 48	For Gross Income (Sorted by Yield) Average of (4) Replications
PREV. CROP/HERB:	Soybean / Authority Elite, Roundup
SOIL DESCRIPTION:	Waldron silty clay loam, moderately drained, non- irrigated
SOIL CONDITION:	Conventional W/O Fall Till, high P, very high K, 7.8 pH, 2.3% OM, 25.9 CEC
PEST MANAGEMENT:	Fulltime Nxt, Armezon, Atrazine, Force 6.5g
FERTILITY - Applied N:	200 Spring
Applied N-P-K (units):	200-40-60
SEEDED - RATE - ROW:	May 5 32.4 /A 30" spacing
HARVESTED - STAND:	Sep 24 31.9 /A

TEST COMMENTS:

Planted into a good seedbed. Great emergence followed. The trial pollinated in mid-July, smack dab in the middle of 3.7" precipitation deficit compared to July averages here. Plant height and stalk quality differences were noted in small pockets during harvest. The water table is high in this location, close to the Missouri River. There were slight soil differences that may have caused some variability in these droughty conditions.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Taylor	EXP C-114-22 VT2P ↗	VT2P	114	243.5	14.8	1	32.3	1217	1
NuTech	77A5AM ↗	AM	117	240.8	17.5	1	31.3	1183	3
FS InVision	FS 6406X RIB ↗	STX	114	237.4	15.1	1	31.8	1186	2
Taylor	8824 VT2PRIB ↗	VT2P	113	236.0	15.3	1	31.8	1178	4
Lewis	15DP899 ↗	VT2P	115	234.3	16.0	1	32.3	1163	5
Integra	6695 TRERIB ↗	TRE	116	231.9	16.8	1	32.0	1144	9
Integra	6410 VT2PRIB ↗	VT2P	114	231.4	16.1	1	32.0	1148	7
Wyffels	W7956RIB ↗	VT2P	114	231.4	15.7	1	31.0	1151	6
Burrus	POWER PLUS 6J92AM ↗	AM	113	230.1	15.4	1	32.3	1147	8
Renk	RK915VT2P ↗	VT2P	115	229.2	15.5	1	31.3	1142	10
Renk	RK907SSTX ↗	STX	115	227.0	15.6	1	32.3	1131	11
Dyna-Gro	D54VC34 ↗	VT2P	114	226.1	15.7	2	32.3	1125	12
Lewis	15DT512 ↗	TRE	115	224.0	15.2	5	32.0	1119	13
FS InVision	FS 6606T RIB ↗	TRE	116	223.3	16.3	3	31.8	1106	14
Midland Genetics	782PR RIB ↗	VT2P	115	223.3	16.5	1	31.5	1105	15
Midland Genetics	621PR RIB ↗	VT2P	114	222.4	15.9	1	31.8	1105	16
Hoegemeyer	8447AM GC ↗	AM	114	222.0	15.8	1	31.8	1104	17
NuTech	74A9AM ↗	AM	114	219.0	14.9	1	31.5	1095	18
Lewis	16DP850 ↗	VT2P	116	219.0	15.5	2	32.0	1091	20
Golden Harvest	G13D55-3220 EZR ↗	3220	113	218.9	15.1	1	31.5	1094	19
NK Brand	NK1661-3120A EZR ↗	3120A	116	217.4	16.9	1	30.5	1072	24
AgriGold	A645-16VT2RIB GC ↗	VT2P	115	216.7	16.2	1	32.0	1075	22
FS InVision	FS 6595V RIB ↗	VT2P	115	216.5	16.2	1	31.3	1074	23
Integra	6641 VT2PRIB ↗	VT2P	116	216.5	16.9	2	32.5	1068	25
Integra	6342 TRERIB ↗	TRE	113	216.3	14.7	1	32.0	1082	21
Golden Harvest	G15J91-3220 EZR ↗	3220	115	215.3	16.4	1	31.8	1066	26
Burrus	7K64 DGVT2P ↗	VT2PDG	115	215.0	16.4	1	32.0	1064	28
Wyffels	W8936DGRIB ↗	VT2PDG	117	214.3	16.2	1	31.0	1062	30
Taylor	9915 VT2P ↗	VT2P	115	214.2	15.8	3	32.0	1065	27
Lewis	13DT272 ↗	TRE	113	212.7	14.7	2	32.3	1064	29
DeKalb	DKC62-89RIB CK	TRE	112	209.4	14.7	1	31.5	1047	36
				Averages =	217.3	15.7	1	31.9	1078
				LSD (0.10) =	15.0	1.0	ns		
				LSD (0.25) =	7.9	0.5	ns		
				C.V. =	7.6				
				Historic yield: 208.32 bu/a, 3 yr(s)					

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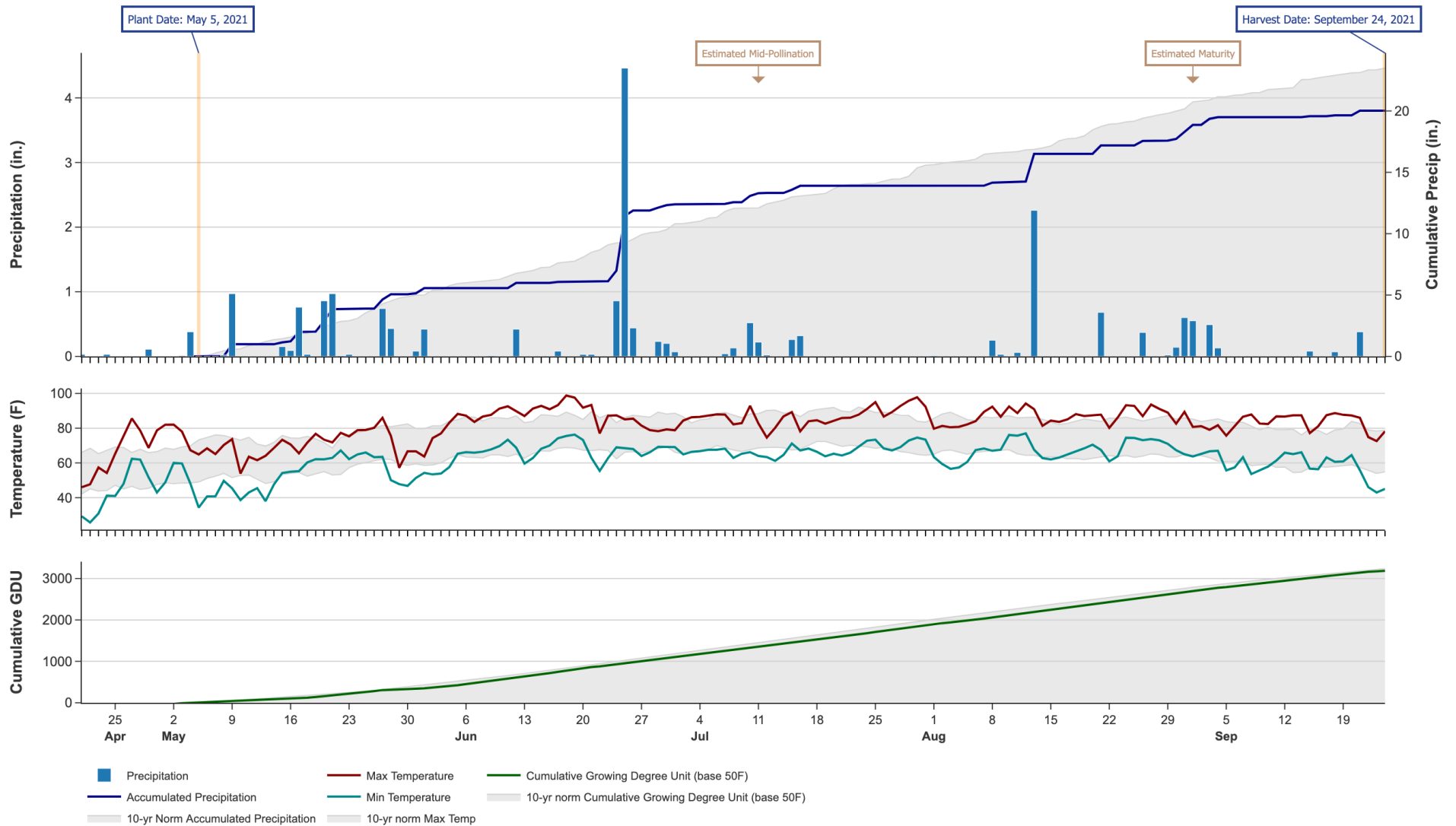
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2021 Corn - Missouri North [MONO]

Weather Conditions Summary at ST. JOSEPH, MO

Weather Data Retrieved: 10/07/2021

Monthly Total	Apr*	May	Jun	Jul	Aug	Sep*	Total
Precip (in) Normal (Diff)	0.2 1.5 (-1.3)	5.5 5.8 (-0.3)	7.2 5.3 (+1.8)	1.6 5.2 (-3.7)	4.4 4.6 (-0.2)	1.7 3.3 (-1.6)	20.6 25.8 (-5.2)
GDU Normal (Diff)	89 85 (+3)	406 451 (-45)	737 752 (-15)	803 835 (-32)	803 772 (+30)	504 473 (+30)	3342 3371 (-29)



* 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

Company/Brand	Brand/Product	Technology	RIB	RM	Seed Treat.
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
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

Company/Brand	Brand/Product	Technology	RIB	RM	Seed Treat.
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
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.