

Test by: M&D Seed Research, LLC Van Buren, IN

2021 Corn Grain Top 30 Harvest Report

Indiana North [INNO] VALPARAISO, IN
Herrold Farms, Jeff Herrold, Laporte County, IN 46391

Early-Season Test	103 - 108 Day CRM B2021INNO03a
Top 30 of 44	For Gross Income (Sorted by Yield) Average of (4) Replications
PREV. CROP/HERB:	Soybeans / Round Up, Verdict, Xtend
SOIL DESCRIPTION:	Bourbon Sandy Loam sandy loam, well drained, non-irrigated
SOIL CONDITION:	Strip-Till, very high P, medium K, 4.6 pH, 1.4% OM, 9.6 CEC
PEST MANAGEMENT:	Verdict, Round Up, Preemptor
FERTILITY - Applied N:	75 Spring, 117 Sidedress
Applied N-P-K (units):	192-119-100
SEEDED - RATE - ROW:	Apr 27 33.6 /A 30" spacing
HARVESTED - STAND:	Oct 22 32.6 /A

TEST COMMENTS:

This was our first planted site at the end of April. A very uniform, dryland location with good fertility and excellent weed control. Cool and dry weather after planting delayed sprouting but emerged well after the ground warmed. The plot was in pretty good shape at harvest but was beginning to show signs of stalk deterioration. Some tar spot was evident at harvest but had little effect on yield.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Ebberts	6138VT2P RIB ↗	VT2P	108	240.3	16.7	3	33.2	1194	1
Pioneer	P0720AM GC ↗	AM	107	239.1	17.7	2	32.9	1183	2
Great Heart	HT-6887DURACADE ↗	5222	108	238.6	19.0	1	32.2	1172	7
Dairyland	DS-4878AM ↗	AM	108	238.2	16.9	1	33.2	1183	3
Integra	5802 VT2PRIB ↗	VT2P	108	238.0	16.7	1	32.2	1183	4
FS InVision	FS 5704V RIB ↗	VT2P	107	236.5	16.6	2	33.5	1176	5
Specialty	38D871 ↗	VT2P	108	236.5	16.6	1	32.5	1176	6
Wyckoff	2583 TRE RIB ↗	TRE	108	235.3	16.7	1	32.9	1169	8
Dairyland	DS-4440AM ↗	AM	104	232.8	17.1	2	33.5	1155	9
Wyckoff	2585 SS RIB ↗	STX	108	231.9	16.6	2	33.5	1153	10
Purple Ribbon	21A08VT2PRIB ↗	VT2P	108	231.3	16.6	5	33.2	1150	11
Ebberts	7209TR RIB ↗	TRE	108	229.3	16.8	1	32.2	1139	13
Partners Brand	PB 7525 HAW ↗	PC	105	229.0	16.9	1	32.9	1137	14
Dairyland	DS-4510Q ↗	QR	105	228.9	16.8	1	33.2	1137	15
Wyckoff	2584 VT2P RIB ↗	VT2P	108	226.6	16.9	1	32.2	1125	16
Dyna-Gro	D45TC55 ↗	TRE	105	225.6	16.4	1	32.2	1123	17
Local Seed	LC0607 TCRIB ↗	TRE	106	224.8	16.3	1	33.2	1120	18
Dyna-Gro	D48VC84 ↗	VT2P	108	224.7	16.9	1	32.5	1116	19
Dairyland	DS-4310AM ↗	AM	103	223.7	17.0	2	33.2	1110	20
Integra	5719 VT2PRIB ↗	VT2P	107	221.5	16.2	1	31.9	1104	21
Augusta	A3758-3220-EZ ↗	3220	108	221.0	17.1	1	32.5	1096	22
Renk	RK700SSTX ↗	STX	107	220.1	16.7	2	32.2	1094	24
Dairyland	DS-4840AM ↗	AM	108	220.1	17.2	1	32.9	1091	25
Wyckoff	2440 SS RIB ↗	STX	106	219.8	16.2	1	33.5	1095	23
FS InVision	FS 5815V RIB ↗	VT2P	108	219.5	17.2	1	33.2	1088	26
NK Brand	NK0877-3220 EZR ↗	3220	108	219.0	17.2	1	32.5	1086	27
Ebberts	6626VT2P RIB ↗	VT2P	106	218.1	16.5	1	33.2	1085	28
FS InVision	FS 5594X RIB ↗	STX	105	215.8	16.8	3	32.9	1072	30
Local Seed	LC0707 DGVT2PRIB ↗	VT2PDG	107	215.8	16.2	2	32.5	1075	29
Local Seed	LC0518 VT2PRIB ↗	VT2P	105	215.0	16.1	1	32.9	1071	31
Pioneer	P0977AM CK	AM	109	230.8	17.2	1	32.2	1144	12
				Averages =	221.8	16.8	1	32.6	1102
				LSD (0.10) =	11.9	0.3	ns		
				LSD (0.25) =	6.3	0.2	ns		
				C.V. =	5.9				
				Historic yield: 178.91 bu/a, 3 yr(s)					

Matt Turner

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Yield & Income Factors: Base Moisture = 15.5% Shrink = 1.3 Drying = \$0.025 Prices: GMO = \$5.00; non-GMO = \$5.00

Report Date: 10/23/2021

† 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

Indiana North [INNO] VALPARAISO, IN
Herrold Farms, Jeff Herrold, Laporte County, IN 46391

Full-Season Test	109 - 112 Day CRM B2021INNO03b
Top 30 of 48	For Gross Income (Sorted by Yield) Average of (4) Replications
PREV. CROP/HERB:	Soybeans / Round Up, Verdict, Xtend
SOIL DESCRIPTION:	Bourbon Sandy Loam sandy loam, well drained, non-irrigated
SOIL CONDITION:	Strip-Till, very high P, medium K, 4.6 pH, 1.4% OM, 9.6 CEC
PEST MANAGEMENT:	Verdict, Round Up, Preemptor
FERTILITY - Applied N:	75 Spring, 117 Sidedress
Applied N-P-K (units):	192-119-100
SEEDED - RATE - ROW:	Apr 27 33.6 /A 30" spacing
HARVESTED - STAND:	Oct 22 32.4 /A

TEST COMMENTS:

This was our first planted site at the end of April. A very uniform, dryland location with good fertility and excellent weed control. Cool and dry weather after planting delayed sprouting but emerged well after the ground warmed. The plot was in pretty good shape at harvest but was beginning to show signs of stalk deterioration. Some tar spot was evident at harvest but had little effect on yield.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Wyckoff	2667 DGVT2P RIB ↗	VT2PDG	111	250.4	17.7	1	32.5	1238	1
FS InVision	FS 6017V RIB ↗	VT2P	110	247.2	16.5	2	32.9	1230	2
Dairyland	DS-5250AM ↗	AM	112	242.0	17.4	1	32.9	1198	3
NK Brand	NK1188-5122 EZR ↗	5122	111	242.0	17.6	1	32.5	1198	4
Dyna-Gro	D50VC09 ↗	VT2P	110	240.2	16.9	1	32.2	1192	5
Ebberts	7722TR RIB ↗	TRE	112	239.2	17.4	1	33.2	1185	6
Integra	6284 VT2PRIB ↗	VT2P	112	237.3	17.9	1	32.9	1173	8
Wyckoff	2646 SS RIB ↗	STX	112	235.9	17.5	1	33.2	1168	9
Specialty	41DT911 ↗	TRE	111	234.3	16.1	1	32.5	1167	10
NK Brand	NK1082-3220A EZR ↗	3220A	110	234.1	17.7	1	32.5	1158	14
NK Brand	NK1026-3330 EZR ↗	3330	110	233.9	17.4	2	33.2	1159	11
Dairyland	DS-4917AM ↗	AM	109	233.9	17.9	1	31.9	1156	15
Wyckoff	2679 DGVT2P RIB ↗	VT2PDG	112	233.6	17.0	1	32.9	1159	12
FS InVision	FS 6107T RIB ↗	TRE	111	233.1	16.6	1	32.9	1159	13
Wyckoff	2669 SS RIB ↗	STX	111	231.4	17.9	2	33.2	1143	18
Dairyland	DS-5018AM ↗	AM	110	231.2	16.4	1	32.2	1151	16
Integra	6061 TRERIB ↗	TRE	110	230.7	17.5	1	32.9	1142	19
Local Seed	LC0999 VT2PRIB ↗	VT2P	109	230.1	16.3	1	32.5	1146	17
Dairyland	DS-5279Q ↗	QR	112	228.6	17.6	1	32.2	1131	20
Pioneer	P1197AM GC ↗	AM	111	228.2	17.4	1	32.2	1130	21
ProHarvest	79P72 3330EZ ↗	3330	109	227.8	17.7	1	32.9	1127	22
Dairyland	DS-5144Q ↗	QR	111	227.6	17.5	2	32.5	1127	23
Great Heart	HT-6948VT2P ↗	VT2P	109	227.2	17.2	1	32.9	1127	24
Renk	RK821SSTX ↗	STX	111	225.7	16.7	1	32.2	1122	25
ProHarvest	79P49 VT2PRIB ↗	VT2P	109	225.5	16.9	1	32.9	1119	26
Local Seed	LC0918 VT2P ↗	VT2P	109	224.9	16.5	1	32.9	1119	27
Specialty	39A569 ↗	STX	109	224.9	16.7	1	32.5	1118	28
FS InVision	FS 6194V RIB ↗	VT2P	111	224.8	16.9	1	31.2	1116	29
Renk	RK882TRE ↗	TRE	111	221.4	17.6	1	31.8	1096	30
FS InVision	FS 6217X RIB ↗	STX	112	221.2	17.5	1	32.9	1095	31
Pioneer	P0977AM CK	AM	109	238.0	17.4	1	32.2	1179	7
				Averages =	224.9	17.1	1	32.4	1116
				LSD (0.10) =	12.8	0.3	ns		
				LSD (0.25) =	6.7	0.1	ns		
				C.V. =	6.3				
				Historic yield: 178.91 bu/a, 3 yr(s)					



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Yield & Income Factors: Base Moisture = 15.5% Shrink = 1.3 Drying = \$0.025 Prices: GMO = \$5.00; non-GMO = \$5.00

Report Date: 10/23/2021

† 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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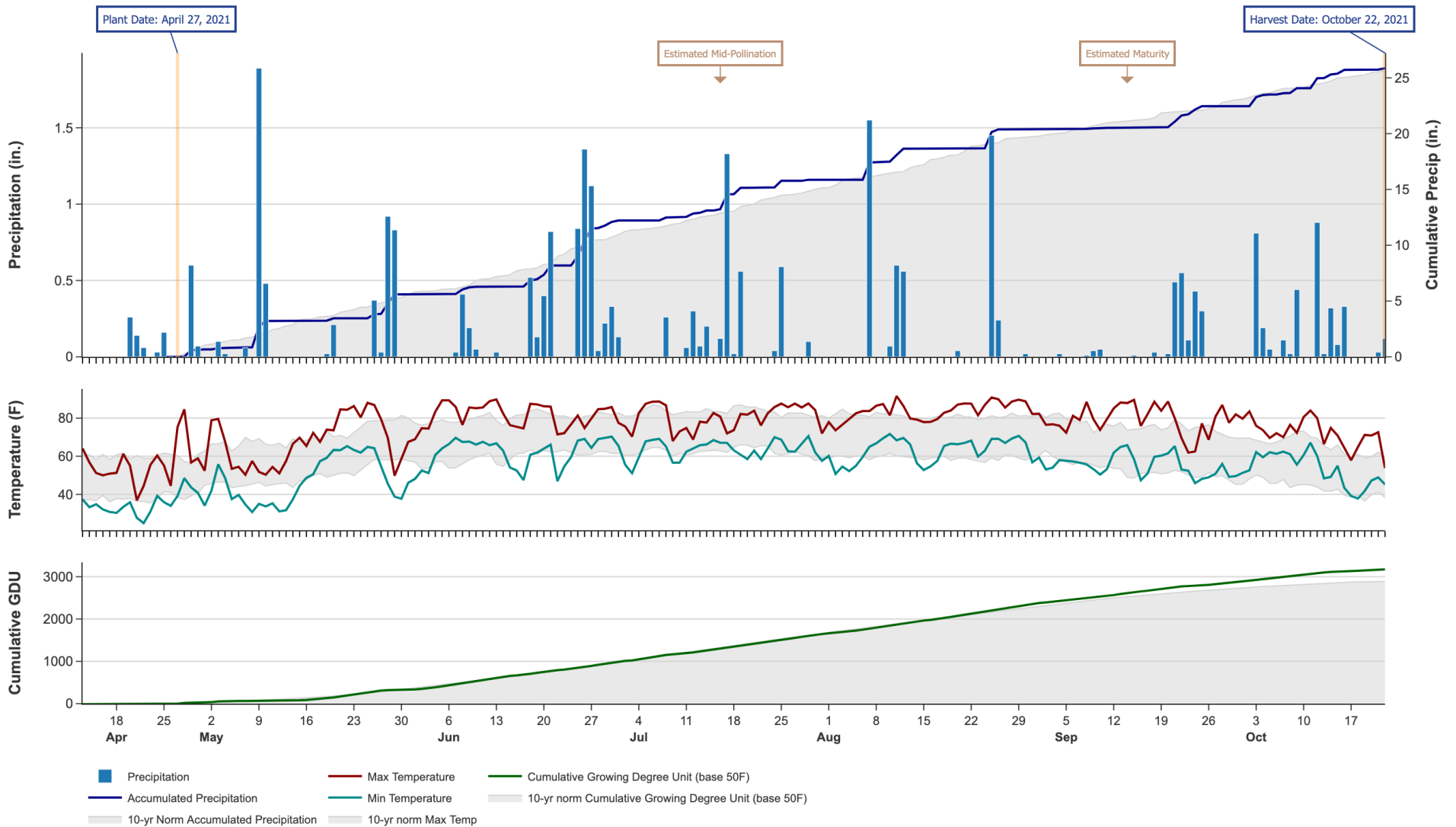
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2021 Corn - Indiana North [INNO]

Weather Conditions Summary at VALPARAISO, IN

Weather Data Retrieved: 10/23/2021

Monthly Total	Apr*	May	Jun	Jul	Aug	Sep	Oct*	Total
Precip (in) Normal (Diff)	1.3 2.5 (-1.2)	4.9 4.8 (+0.1)	6.5 5.2 (+1.3)	3.8 4.4 (-0.6)	4.5 4.6 (-0.1)	2.1 3.3 (-1.2)	3.4 2.6 (+0.8)	26.5 27.4 (-0.9)
GDU Normal (Diff)	40 22 (+17)	307 351 (-44)	646 595 (+50)	671 707 (-36)	712 625 (+86)	518 442 (+75)	297 156 (+140)	3191 2902 (+288)



* 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 - Indiana North [INNO]

Early-Season Test Products (44 Total)

Company/Brand	Product/Brand	Technology	RIB	RM	Seed Treat.
Augusta	A1258-5222-EZ	5222	Y	108	CM,C2
Augusta	A1457-5122-EZ	5122	Y	107	AC250
Augusta	A3758-3220-EZ	3220	Y	108	AVC,C5
Augusta	A4759-3111	3111	N	109	CM,C2
Augusta	A4858-5122-EZ	5122	Y	108	CM,C2
Dairyland	DS-4310AM	AM	Y	103	Lum,P1V
Dairyland	DS-4440AM	AM	Y	104	Lum,P5V
Dairyland	DS-4510Q	QR	Y	105	Lum,P1V
Dairyland	DS-4840AM	AM	Y	108	Lum,P5V
Dairyland	DS-4878AM	AM	Y	108	Lum,P1V
Dyna-Gro	D45TC55	TRE	N	105	AC,P5V
Dyna-Gro	D48VC84	VT2P	N	108	AC,P5V
Ebberts	6138VT2P RIB	VT2P	Y	108	AC250,Ri
Ebberts	6626VT2P RIB	VT2P	Y	106	AC250,Ri
Ebberts	7209TR RIB	TRE	Y	108	AC250,Ri
FS InVision	FS 53ZX1 RIB	STX	Y	103	AC,P5V
FS InVision	FS 5515D2 EZR	5222	Y	105	CM,C2,Vi
FS InVision	FS 5594X RIB	STX	Y	105	AC,P5V
FS InVision	FS 5704V RIB	VT2P	Y	107	AC,P5V
FS InVision	FS 5815V RIB	VT2P	Y	108	AC,P5V,EDC-EL
Great Heart	HT-6560VT2P	VT2P	Y	105	AC,P5V
Great Heart	HT-6887DURACADE	5222	Y	108	AC,P5V
Integra	5529 VT2PRIB	VT2P	Y	105	AC,P2,SU
Integra	5682 VT2PRIB	VT2P	Y	106	AC,P5V,EDC-B
Integra	5719 VT2PRIB	VT2P	Y	107	AC,P2,SU
Integra	5802 VT2PRIB	VT2P	Y	108	AC,P5V,EDC-B
Local Seed	LC0518 VT2PRIB	VT2P	Y	105	AC,P5V,EDC-EL
Local Seed	LC0607 TCRIB	TRE	Y	106	RA
Local Seed	LC0707 DGVT2PRIB	VT2PDG	Y	107	RA
NK Brand	NK0748-3120 EZR	3120	Y	107	AVC,C2,Vi
NK Brand	NK0877-3220 EZR	3220	Y	108	AVC,C5,Vi
Partners Brand	PB 7525 HAW	PC	N*	105	AL2500
Pioneer	P0720AM GC	AM	Y	107	Lum
Pioneer	P0977AM CK	AM	Y	109	Lum
Purple Ribbon	21A08VT2PRIB	VT2P	Y	108	AC,P2
Renk	RK700SSTX	STX	N	107	AC,P5V
Renk	RK710DGVT2P	VT2PDG	Y	107	AC,P2
Specialty	36D260	VT2P	Y	106	AC,P5,B360
Specialty	38D871	VT2P	Y	108	AC,P5,B360
Wyckoff	2440 SS RIB	STX	Y	106	AC,P5V,EDC-EL
Wyckoff	2483 VT2P RIB	VT2P	Y	105	AC,P2
Wyckoff	2583 TRE RIB	TRE	Y	108	AC,P5V

Company/Brand	Brand/Product	Technology	RIB	RM	Seed Treat.
Wyckoff	2584 VT2P RIB	VT2P	Y	108	AC,P5V
Wyckoff	2585 SS RIB	STX	Y	108	AC,P5V

* 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 - Indiana North [INNO]

Full-Season Test Products (48 Total)

Company/Brand	Product/Brand	Technology	RIB	RM	Seed Treat.
Augusta	A1060-3330	3330	N	110	CM,C2
Augusta	A6162-5222-EZ	5222	Y	112	CM,C2
Dairyland	DS-4917AM	AM	Y	109	Lum
Dairyland	DS-5018AM	AM	Y	110	Lum,P1V
Dairyland	DS-5144Q	QR	Y	111	Lum,P1V
Dairyland	DS-5250AM	AM	Y	112	Lum,P1V
Dairyland	DS-5279Q	QR	Y	112	Lum,P1V
Dyna-Gro	D50VC09	VT2P	N	110	AC,P5V
Dyna-Gro	D51VC67	VT2P	N	110	AC,P5V
Ebberts	6883DGVT2P RIB	VT2PDG	Y	112	AC250,Ri
Ebberts	7722TR RIB	TRE	Y	112	AC250,Ri
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
Great Heart	HT-6948VT2P	VT2P	Y	109	AC,P5V
Great Heart	HT-7114VT2P	VT2P	Y	111	AC,P5V
Integra	6061 TRERIB	TRE	Y	110	AC,P5V,SU
Integra	6162 VT2PRIB	VT2P	Y	111	AC,P5V,EDC-B
Integra	6284 VT2PRIB	VT2P	Y	112	AC,P2,SU
Local Seed	LC0918 VT2P	VT2P	Y	109	AC,P5V,EDC-EL
Local Seed	LC0999 VT2PRIB	VT2P	Y	109	RA
Local Seed	LC1009 VT2PRIB	VT2P	Y	110	RA
NK Brand	NK1026-3330 EZR	3330	Y	110	AVC,C5,Vi
NK Brand	NK1082-3220A EZR	3220A	Y	110	AVC,C5,Vi
NK Brand	NK1188-5122 EZR	5122	Y	111	AVC,C5,Vi
Partners Brand	PB 8071	3110	N*	110	AL2500
Pioneer	P0977AM CK	AM	Y	109	Lum
Pioneer	P1197AM GC	AM	Y	111	Lum
ProHarvest	79P49 VT2PRIB	VT2P	Y	109	AC,P5V
ProHarvest	79P72 3330EZ	3330	Y	109	AC,P5V
ProHarvest	81P88 TRERIB	TRE	Y	111	AC,P5V
Purple Ribbon	21A09VT2PRIB	VT2P	Y	109	AC,P2
Purple Ribbon	22A10VT2P	VT2P	N	110	AC,P2
Purple Ribbon	22A12VT2PRIB	VT2P	Y	112	AC,P2
Renk	RK821SSTX	STX	N	111	AC,P5V
Renk	RK826VT2P	VT2P	N	111	AC,P5V
Renk	RK882TRE	TRE	N	111	AC,P2
Schlessman	SX 745 VT2P GC	VT2P	Y	112	AC,P2
Specialty	39A569	STX	Y	109	AC,P5V,EDC-B
Specialty	41A091	STX	Y	111	AC,P5V,EDC-B

Company/Brand	Brand/Product	Technology	RIB	RM	Seed Treat.
Specialty	41DT911	TRE	Y	111	AC,P5,B360
Wyckoff	2634 VT2P RIB	VT2P	Y	110	AC,P5V
Wyckoff	2646 SS RIB	STX	Y	112	AC,P5V
Wyckoff	2667 DGVT2P RIB	VT2PDG	Y	111	AC,P2
Wyckoff	2669 SS RIB	STX	Y	111	AC,P5V
Wyckoff	2679 DGVT2P RIB	VT2PDG	Y	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.

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)
3111	Agrisure® Viptera® 3111
3120	Agrisure® 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®
PC	PowerCore™
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
AC250,Ri	Acceleron® 250, Rizolex
AC,P2	Acceleron® 250
AC,P2,SU	Acceleron® 250, StepUp
AC,P5,B360	Acceleron® 500 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	Acceleron® Poncho 500/Votivo, StepUp
AL2500	Alert 2500, Surefire
AVC,C2,Vi	Avicta® Complete 250, Vibrance®
AVC,C5	Avicta® Complete 500
AVC,C5,Vi	Avicta® Complete 500, Vibrance
CM,C2	CruiserMaxx® 250
CM,C2,Vi	CruiserMaxx® 250 with Vibrance
Lum	LumiGEN™ (Corteva Agriscience)
Lum,P1V	LumiGEN™ Poncho 1250/Votivo
Lum,P5V	LumiGEN™ Poncho 500/Votivo
RA	Radius 500 (Local Seed Co)

* Seed treatments may include unspecified plant health promoting components.