

Test by: F.I.R.S.T. AMC Inc. Mount Carroll, IL

2020 Corn Grain Top 30 Harvest Report

Illinois East Central [ILEC] THOMASBORO, IL
Joe Burke, Champaign County, IL 61878

Early-Season Test	105 - 110 Day CRM B2020ILEC20a
Top 30 of 54	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Soybean / Authority First, Tricor, Sharpen, Durango, Raptor, Battlestar, Volunteer, Zidua
SOIL DESCRIPTION:	Drummer silty clay loam, moderately drained, non- irrigated
SOIL CONDITION:	Minimum W/O Fall Till, very high P, high K, 6.1 pH, 3.5% OM, 29.0 CEC
PEST MANAGEMENT:	Verdict, Callisto Xtra, Atrazine, Durango Dma, Force
FERTILITY - Applied N:	192 Spring, 50 Sidedress
Applied N-P-K (units):	242-92-90
SEEDED - RATE - ROW:	May 11 37.5 /A 30" spacing
HARVESTED - STAND:	Oct 31 34.3 /A

TEST COMMENTS:

This plot was planted in near perfect soil conditions, but constant heavy rainfall shortly after planting made for poor emergence in portions of the field. Heavy rainfall continued after emergence and throughout the early growing season. During late summer the plot endured some dry spells and strong winds that affected some of the hybrids, more so in the fuller season hybrids. Gray leaf spot, common rust, and Diplodia were noted in areas of this location. One replicate of the full-season test was dropped due to water damage there.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
INTEGRA	6061 VT2PRIB	VT2P	110	284.3	15.3	2	35.7	993	1
HEFTY	H5944SS	STX	109	283.2	14.6	1	35.7	991	2
HEFTY	H5812VT2PRIB	VT2P,B	108	277.9	14.1	2	34.8	973	3
WYFFELS	W6408RIB	STX,B	110	276.4	14.8	5	35.7	967	4
PURPLE RIBBON	21A09	VT2P	109	274.5	14.7	1	37.5	961	5
DYNA-GRO	D50VC78	VT2P	110	274.0	14.3	4	35.7	959	6
NUTECH	70A8AM	AM,B	110	273.0	15.6	1	35.7	950	8
GREAT HEART	HT-6948VT2P	VT2P,B	109	272.2	14.6	1	36.6	953	7
NK BRAND	NK1026-3330-EZR	3330,B	110	271.0	15.3	5	36.6	946	9
NUTECH	68A7AM	AM,B	107	266.4	14.3	2	36.6	932	10
AUGUSTA	1060 GC	3330	109	265.5	15.4	2	34.0	926	12
FS INVISION	FS 58RL1 EZR	3220,B	108	265.1	15.1	4	37.5	927	11
GOLDEN HARVEST	G10D21-3330-EZR	3330,B	110	263.0	15.7	1	37.5	915	14
RENK	RK765VT2PRIB	VT2P,B	109	262.5	14.3	1	34.8	919	13
GREAT HEART	HT-7003VT2P	VT2P,B	110	259.1	14.7	2	36.6	907	15
WYFFELS	W5516RIB	VT2P,B	108	258.9	14.8	2	33.9	906	16
FS INVISION	FS 5909D2A EZR	5222A,B	109	258.8	15.0	20	32.1	906	17
INTEGRA	5939 STXRIB	STX,B	109	257.8	15.7	2	34.8	897	18
FS INVISION	FS 60UX1 RIB	STX,B	110	256.7	15.4	2	33.9	895	19
RENK	RK700SSTX	STX	107	255.8	14.3	1	36.6	895	20
SUN PRAIRIE	SP2504	VT2P	110	255.6	14.6	4	33.1	895	21
NUTECH	70F2Q	QR,B	110	254.9	15.0	9	33.9	892	22
NUTECH	5FB-9909AM	AM,B	109	254.1	14.2	5	33.9	889	23
NUTECH	68B3AML	AML,B	108	253.5	15.0	1	35.7	887	24
NK BRAND	NK1082-5222A-EZR	5222A,B	110	251.4	16.1	13	33.1	872	27
RENK	RK805VT2P	VT2P	110	251.3	14.5	2	31.3	880	25
GOLDEN HARVEST	G08M20-3120-EZR	3120,B	108	248.6	15.0	4	31.3	870	28
WYFFELS	W5086RIB	VT2P,B	107	248.5	14.0	1	37.5	870	29
STONE	0931SS	STX,B	109	248.5	14.9	18	33.1	870	30
HEFTY	H5832VT2PRIB	VT2P,B	108	247.2	14.6	3	30.8	865	31
PIONEER	P1108Q CK	QR,B	111	251.5	15.3	15	37.5	878	26
				Averages =	251.3	14.8	5	34.3	879
				LSD (0.10) =	20.6	0.4	6		
				LSD (0.25) =	10.8	0.2	3		
				C.V. =	7.8				
				Historic yield: 226.5 bu/a, 5 yr(s)					

Nathan Roux

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Yield & Income Factors:

Base Moisture = 15.0% Shrink = 1.3 Drying = \$0.03 Prices: GMO = \$3.50

Report Date: 10/31/2020

† 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

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Joe Burke, Champaign County, IL 61878

Full-Season Test	111 - 115 Day CRM B2020ILEC20b
Top 30 of 54	For Gross Income (Sorted by Yield) Average of (2) Replications
PREV. CROP/HERB:	Soybean / Authority First, Tricor, Sharpen, Durango, Raptor, Battlestar, Volunteer, Zidua
SOIL DESCRIPTION:	Drummer silty clay loam, moderately drained, non- irrigated
SOIL CONDITION:	Minimum W/O Fall Till, very high P, high K, 6.1 pH, 3.5% OM, 29.0 CEC
PEST MANAGEMENT:	Verdict, Callisto Xtra, Atrazine, Durango Dma, Force
FERTILITY - Applied N:	192 Spring, 50 Sidedress
Applied N-P-K (units):	242-92-90
SEEDED - RATE - ROW:	May 11 37.5 /A 30" spacing
HARVESTED - STAND:	Oct 31 31.7 /A

TEST COMMENTS:

This plot was planted in near perfect soil conditions, but constant heavy rainfall shortly after planting made for poor emergence in portions of the field. Heavy rainfall continued after emergence and throughout the early growing season. During late summer the plot endured some dry spells and strong winds that affected some of the hybrids, more so in the fuller season hybrids. Gray leaf spot, common rust, and Diplodia were noted in areas of this location. One replicate of the full-season test was dropped due to water damage there.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
HEFTY	H6244SS	STX	112	259.1	17.0	7	33.5	892	2
HEFTY	H6134SSRIB	STX,B	111	258.3	15.6	1	36.2	900	1
AUGUSTA	6162	3220,B	112	253.1	16.4	3	29.5	875	5
HEFTY	H6132VT2PRIB	VT2P,B	111	252.5	14.5	1	32.2	884	3
PURPLE RIBBON	20A11VT2PRIB	VT2P,B	111	252.1	15.1	1	32.2	882	4
GREAT HEART	HT-7123VT2P	VT2P,B	111	246.6	15.7	1	36.2	858	6
GREAT HEART	HT-7275SS	STX	112	245.4	17.9	17	29.5	838	9
FS INVISION	FS 6306T RIB	TRE,B	113	244.0	15.4	7	33.5	851	7
GREAT HEART	HT-7240DGV2P	VT2PDG,B	112	242.0	15.8	5	29.5	841	8
PURPLE RIBBON	18A12VT2PRIB	VT2P,B	112	239.7	16.1	13	34.8	831	10
GOLDEN HARVEST	G13Z50-3220-EZR	3220,B	113	238.5	16.2	4	36.2	827	12
NUTECH	72B7CYFR	QR	112	237.1	15.8	1	33.5	824	13
FS INVISION	FS 6106X RIB	STX,B	111	236.9	14.8	5	37.5	829	11
FS INVISION	FS 6299L2 EZR	3220,B	112	236.3	16.1	3	34.9	819	15
NK BRAND	NK1354-5222-EZR	5222,B	113	236.1	15.7	3	34.9	821	14
GREAT HEART	HT-7302VT2P	VT2P,B	113	236.1	17.5	13	37.5	809	17
NUTECH	71F5CYFR	QR	111	234.8	15.5	1	33.5	819	16
DEKALB	DKC63-34RIB GC	STX,B	113	233.8	17.1	1	34.8	804	19
STONE	6368RIB	STX,B	113	233.3	16.1	13	29.5	809	18
INTEGRA	6588 VT2PRIB	VT2P,B	115	232.7	17.2	1	37.5	799	20
HEFTY	H6525TRERIB	TRE,B	115	232.7	17.2	5	36.2	799	21
INTEGRA	6410 VT2PRIB	VT2P,B	114	226.9	17.3	9	30.9	779	23
GREAT HEART	HT-7256DGV2P	VT2PDG,B	112	226.7	15.8	1	32.2	788	22
WYFFELS	W7956RIB	VT2P,B	114	225.3	16.6	5	30.8	778	24
WYFFELS	W7726RIB	VT2P,B	113	222.0	16.6	1	29.5	766	25
RENK	RK945SSTX	STX,B	115	221.5	17.2	3	33.5	761	27
NUTECH	74B6AM	AM,B	114	219.7	16.0	13	36.2	762	26
FS INVISION	FS 6406X RIB	STX,B	114	218.8	16.9	5	29.5	754	28
PURPLE RIBBON	20R13	VT2PDG,B	113	216.3	16.2	3	26.8	749	31
RENK	RK882SSTX	STX	111	215.5	15.4	1	37.5	752	29
PIONEER	P1108Q CK	QR,B	111	214.2	14.9	17	34.8	750	30
				Averages =	220.4	16.4	5	31.7	758
				LSD (0.10) =	29.9	0.8	ns		
				LSD (0.25) =	15.6	0.4	ns		
				C.V. =	10.4				
Nathan Roux nathan.g.roux@gmail.com, (815) 716-3794				Historic yield: 226.5 bu/a, 5 yr(s)					

Yield & Income Factors: Base Moisture = 15.0% Shrink = 1.3 Drying = \$0.03 Prices: GMO = \$3.50

Report Date: 10/31/2020

† 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

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2020 Corn - Illinois East Central [ILEC]

Early-Season Test Products (54 Total)

Company/Brand	Product/Brand	Technology	RM	Seed Treat.
AUGUSTA	1060 GC	3330	109	CM,C2
AUGUSTA	1259	3330,B	109	AVC,C5
AUGUSTA	2856	3220,B	106	AVC,C2
AUGUSTA	4757 GC	VT2P	107	AC,P5V
AUGUSTA	4958-3120	3120,B	108	CM,C2
DEKALB	DKC58-64RIB GC	STX,B	108	NA
DYNA-GRO	D49SS70	STX	109	AC,P5V,EDC-B
DYNA-GRO	D50VC78	VT2P	110	AC,P5V,EDC-B
FS INVISION	FS 5704X RIB	STX,B	107	AC,P5V
FS INVISION	FS 5892V RIB	VT2P,B	108	AC,P5V
FS INVISION	FS 58RL1 EZR	3220,B	108	AC,P2
FS INVISION	FS 5909D2A EZR	5222A,B	109	AC,P5V
FS INVISION	FS 60UX1 RIB	STX,B	110	AC,P5V
GOLDEN HARVEST	G08M20-3120-EZR	3120,B	108	AVC,C5,Vi
GOLDEN HARVEST	G10D21-3330-EZR	3330,B	110	AVC,C5,Vi
GOLDEN HARVEST	G10L16-5222A-EZR	5222A,B	110	AVC,C5,Vi
GREAT HEART	HT-6948VT2P	VT2P,B	109	NA
GREAT HEART	HT-7003VT2P	VT2P,B	110	NA
HEFTY	H5624SSRIB	STX,B	106	HC
HEFTY	H5812VT2PRIB	VT2P,B	108	HC
HEFTY	H5832VT2PRIB	VT2P,B	108	HC
HEFTY	H5944SS	STX	109	HC
INTEGRA	5529 VT2PRIB	VT2P,B	105	AC,P2,St,SU
INTEGRA	5719 VT2PRIB	VT2P,B	107	AC,P2,St,SU
INTEGRA	5770 STXRIB	STX,B	107	AC,P5V,St,SU
INTEGRA	5939 STXRIB	STX,B	109	AC,P5V,St,SU
INTEGRA	6061 VT2PRIB	VT2P	110	AC,P5,St,SU
NK BRAND	NK1026-3330-EZR	3330,B	110	AVC,C5,Vi
NK BRAND	NK1082-5222A-EZR	5222A,B	110	AVC,C5,Vi
NUTECH	5FB-9909AM	AM,B	109	P1V,RN
NUTECH	68A7AM	AM,B	107	P1V,RN
NUTECH	68B3AML	AML,B	108	P1V,RN
NUTECH	70A8AM	AM,B	110	P1V,RN
NUTECH	70F2Q	QR,B	110	P1V,RN
PIONEER	P0574AMXT GC	AMXT-R,B	105	NA
PIONEER	P0720Q GC	QR,B	107	NA

Company/Brand	Brand/Product	Technology	RM	Seed Treat.
PIONEER	P0825AMXT GC	AMXT,B	108	NA
PIONEER	P1099Q GC	QR,B	110	NA
PIONEER	P1108Q CK	QR,B	111	NA
PURPLE RIBBON	21A08	VT2P,B	108	NA
PURPLE RIBBON	21A09	VT2P	109	NA
RENK	RK700SSTX	STX	107	AC,P5V
RENK	RK726H	PC	106	AC,P2
RENK	RK765VT2PRIB	VT2P,B	109	AC,P2
RENK	RK805VT2P	VT2P	110	AC,P2
STONE	0931SS	STX,B	109	NA
STONE	5858RIB	STX,B	108	NA
STONE	6078RIB	STX,B	110	NA
SUN PRAIRIE	SP2504	VT2P	110	AC,P5V,B-300
SUN PRAIRIE	SP2508	STX	110	AC,P5V,B-300
WYFFELS	W4198RIB	STX,B	106	AC,P5V
WYFFELS	W5086RIB	VT2P,B	107	AC250
WYFFELS	W5516RIB	VT2P,B	108	AC250
WYFFELS	W6408RIB	STX,B	110	AC,P5V

2020 Corn - Illinois East Central [ILEC]

Full-Season Test Products (54 Total)

Company/Brand	Product/Brand	Technology	RM	Seed Treat.
AUGUSTA	6162	3220,B	112	AVC,C5
DEKALB	DKC63-34RIB GC	STX,B	113	NA
DYNA-GRO	D54SS34	STX	114	AC,P5V,EDC-B
DYNA-GRO	D55VC80	VT2P	115	AC,P5V,EDC-B
FS INVISION	FS 6106X RIB	STX,B	111	AC,P5V
FS INVISION	FS 6299L2 EZR	3220,B	112	AC,P5V
FS INVISION	FS 6306T RIB	TRE,B	113	AC,P5V
FS INVISION	FS 6406X RIB	STX,B	114	AC,P5V
FS INVISION	FS 6595V RIB	VT2P,B	115	AC,P5V
GOLDEN HARVEST	G13Z50-3220-EZR	3220,B	113	AVC,C5,Vi
GOLDEN HARVEST	G14N11-5222-EZR	5222,B	114	AVC,C5,Vi
GOLDEN HARVEST	G15L32-5222-EZR	5222,B	115	AVC,C5,Vi
GREAT HEART	HT-7123VT2P	VT2P,B	111	NA
GREAT HEART	HT-7240DGVT2P	VT2PDG,B	112	NA
GREAT HEART	HT-7256DGVT2P	VT2PDG,B	112	NA
GREAT HEART	HT-7275SS	STX	112	NA
GREAT HEART	HT-7302VT2P	VT2P,B	113	NA
HEFTY	H6132VT2PRIB	VT2P,B	111	HC
HEFTY	H6134SSRIB	STX,B	111	HC
HEFTY	H6244SS	STX	112	HC
HEFTY	H6524SSRIB	STX,B	115	HC
HEFTY	H6525TRERIB	TRE,B	115	HC
INTEGRA	6284 VT2PRIB	VT2P,B	112	AC,P2,St,SU
INTEGRA	6410 VT2PRIB	VT2P,B	114	AC,P5V,St,SU
INTEGRA	6533 VT2PRIB	VT2P,B	115	AC,P5V,St,SU
INTEGRA	6588 VT2PRIB	VT2P,B	115	AC,P2V,St,SU
NK BRAND	NK1239-5122-EZR	5122,B	112	AVC,C5,Vi
NK BRAND	NK1354-5222-EZR	5222,B	113	AVC,C5,Vi
NK BRAND	NK1460-5222-EZR	5222,B	114	AVC,C5,Vi
NUTECH	5FB-2213AM	AM,B	113	P1V,RN
NUTECH	71F5CYFR	QR	111	P1V,RN
NUTECH	72B7CYFR	QR	112	P1V,RN
NUTECH	74B6AM	AM,B	114	P1V,RN
NUTECH	75G1YHR	OI	115	P1V,RN
PIONEER	P1108Q CK	QR,B	111	NA
PIONEER	P1366AMXT GC	AMXT,B	113	NA

Company/Brand	Brand/Product	Technology	RM	Seed Treat.
PROHARVEST	8324 VT2PRIB	VT2P,B	113	AC,P2
PROHARVEST	8360 VT2PRIB	VT2P,B	113	AC,P2
PROHARVEST	84P93 SSTXRIB	STX,B	114	P5V
PURPLE RIBBON	18A12VT2PRIB	VT2P,B	112	NA
PURPLE RIBBON	20A11VT2PRIB	VT2P,B	111	NA
PURPLE RIBBON	20R13	VT2PDG,B	113	AC,P2
RENK	RK807SSTXRIB	STX,B	111	AC,P5V
RENK	RK882SSTX	STX	111	AC,P5V
RENK	RK945DGVT2P	VT2PDG,B	115	AC,P2
RENK	RK945SSTX	STX,B	115	AC,P5V
STONE	1521SS	STX,B	115	NA
STONE	6198RIB	STX,B	111	NA
STONE	6368RIB	STX,B	113	NA
WYFFELS	W6978	STX	111	AC,P5V
WYFFELS	W7726RIB	VT2P,B	113	AC250
WYFFELS	W7876RIB	VT2P,B	114	AC250
WYFFELS	W7956RIB	VT2P,B	114	AC250
WYFFELS	W8148	STX	115	AC,P5V

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*

3120	Agrisure® 3120 (CB,HX,LL,GT)
3220	Agrisure® Viptera® 3220 (Vip,CB,HX,LL,GT)
3330	Agrisure® Viptera® 3330 (Vip,CB,LL,GT)
5122	Agrisure® Duracade™ 5122
5222	Agrisure® Duracade™ 5222
5222A	Agrisure® Duracade™ Artesian® 5222
AM	Optimum® AcreMax®
AML	Optimum® AcreMax® Leptra® (Vip,YGCB,HX,LL,RR2)
AMXT	Optimum® AcreMax® Xtreme
AMXT-R	Optimum® AcreMax® Xtreme Rootworm
B	Blend, Refuge in a Bag (RIB) or EZ-Refuge
OI	Optimum® Intrasect®
PC	PowerCore™
QR	Qrome™
STX	SmartStax®
TRE	Genuity® Trecepta™
VT2P	Genuity® VT Double PRO®
VT2PDG	Genuity® VT Double PRO® DroughtGard®

*The refuge component genetics may vary in a refuge blend seed product.

Corn Seed Treatments**

NA	Not Available
AC250	Acceleron 250
AC,P2	Acceleron, Poncho 250
AC,P2,St,SU	Acceleron 250, Stamina, StepUp
AC,P2V,St,SU	Acceleron Poncho 250 Votivo, Stamina, StepUp
AC,P5,St,SU	Acceleron Poncho 500, Stamina, StepUp
AC,P5V	Acceleron, Poncho 500/Votivo
AC,P5V,B-300	Acceleron Poncho 500/Votivo with B-300 SAT
AC,P5V,EDC-B	Acceleron, Basic Poncho 500/Votivo with Enhanced Disease Control
AC,P5V,St,SU	Acceleron Poncho 500/Votivo, Stamina, StepUp
AVC,C2	Avicta Complete 250
AVC,C5	Avicta Complete 500
AVC,C5,Vi	Avicta Complete 500, Vibrance
CM,C2	CruiserMaxx 250
HC	Hefty Complete
P1V,RN	Poncho 1250/Votivo, Rancona®
P5V	Poncho 500/Votivo

** Seed treatments may include unspecified plant health promoting components.