

Test by: F.I.R.S.T. CCB, Inc. Elizabeth, IL

2020 Corn Grain Top 30 Harvest Report

Iowa South [IASO] CLARINDA, IA

Mike & Ben Vardaman, Page County, IA 51632

Early-Season Test	106 - 111 Day CRM B2020IASO31a
Top 30 of 45	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Soybean / Liberty
SOIL DESCRIPTION:	Sharpsburg silty clay loam, mod. well drained, non-irrigated
SOIL CONDITION:	No-Till, low P, very high K, 6.6 pH, 3.1% OM, 17.3 CEC
PEST MANAGEMENT:	Stalwart C, Glyphosate, 2-4d, Choice, Realm Q, Atrazine,
FERTILITY - Applied N:	164 Fall, 23 Sidedress
Applied N-P-K (units):	187-0-0
SEEDED - RATE - ROW:	Apr 24 33.0 /A 30" spacing
HARVESTED - STAND:	Oct 24 32.9 /A

TEST COMMENTS:

Very nice looking plot. Planting conditions were good and plants emerged well. Plants were well matured at harvest and did show some stalk weakness, which was the cause of some lodging. Ear shanks were getting weak, and ears were varied in size but with very good seed depth. There was no weed pressure, and some head shelling could be seen.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
RENK	RK807SSTXRIB	STX,B	111	241.2	12.2	2	33.9	803	1
GOLDEN HARVEST	G10L16-5222A-EZR	5222A,B	110	240.2	12.2	1	31.9	800	2
KRUGER	K1005DP	VT2P,B	110	238.5	12.3	1	33.9	794	3
NUTECH	70A8AM	AM,B	110	233.3	12.8	2	34.8	777	4
FS INVISION	FS 6107T RIB	TRE,B	111	232.7	12.6	1	31.9	775	5
NK BRAND	NK0821-3120A-EZR	3120A,B	108	230.4	12.3	1	31.9	767	6
NK BRAND	NK0886-3120-EZR	3120,B	108	229.5	12.2	3	31.9	764	7
FS INVISION	FS 6194V RIB	VT2P,B	111	228.5	12.3	4	31.9	761	8
MIDWEST GENETICS	MW09-79 VT2P GC	VT2P	109	227.9	12.7	1	31.9	759	9
DYNA-GRO	D51VC41	VT2P	111	227.6	12.4	1	30.9	758	11
TITAN PRO	94-09 2P	VT2P,B	109	226.2	12.4	1	31.9	753	12
INTEGRA	6061 VT2PRIB	VT2P	110	225.4	12.4	1	33.9	751	13
WYFFELS	W6906	VT2P	111	225.3	12.5	2	31.9	750	14
GOLDEN HARVEST	G11V76-5122-EZR	5122,B	111	224.8	12.5	2	32.9	749	15
NUTECH	68B3VYHR	OL,B	108	224.4	12.3	2	32.9	747	16
CHANNEL	209-06STXRIB GC	STX,B	109	222.8	12.2	2	31.9	742	17
GOLDEN HARVEST	G10D21-3330-EZR	3330,B	110	221.0	12.5	1	32.9	736	18
INTEGRA	5939 STXRIB	STX,B	109	218.9	12.8	1	34.8	729	19
INTEGRA	5719 VT2PRIB	VT2P,B	107	218.0	12.5	1	32.9	726	20
KRUGER	K0807SS	STX,B	108	217.8	12.7	1	31.9	725	21
FS INVISION	FS 60UX1 RIB	STX,B	110	216.7	12.4	1	31.9	722	22
AUGUSTA	1259	3330,B	109	215.0	12.4	4	32.9	716	23
FS INVISION	FS 6106X RIB	STX,B	111	213.9	12.0	1	32.9	712	24
WYFFELS	W6826RIB	VT2P,B	111	213.7	12.6	1	32.9	712	25
LATHAM	LH 5725 VT2P RIB	VT2P,B	107	213.7	12.1	1	32.9	712	26
PIONEER	P1108Q GC	QR,B	111	213.5	12.4	1	32.9	711	27
AUGUSTA	3058-3120	3120	108	212.9	12.8	1	33.9	709	28
CHANNEL	208-38VT2PRIB GC	VT2P,B	108	212.3	12.2	1	32.9	707	29
WYFFELS	W6978	STX	111	212.1	12.6	1	33.9	706	30
NUTECH	68A7AM	AM,B	107	211.5	12.3	4	32.9	704	31
PIONEER	P1185AM CK	AM,B	111	227.8	12.6	3	34.8	759	10
				Averages =	214.6	12.4	2	32.9	715
				LSD (0.10) =	8.4	0.4	2		
				LSD (0.25) =	4.4	0.2	1		
				C.V. =	3.7				
				Historic yield: 195.2 bu/a, 4 yr(s)					



Randy Meinsma

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Yield & Income Factors:

Base Moisture = 15.0%

Shrink = 1.3

Drying = \$0.025

Prices: GMO = \$3.33

Report Date: 10/24/2020

† 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 Grain Top 30 Harvest Report

Iowa South [IASO] CLARINDA, IA

Mike & Ben Vardaman, Page County, IA 51632

Full-Season Test 112 - 116 Day CRM
B2020IASO31b

Top 30 of 45 For Gross Income
(Sorted by Yield)
Average of (3) Replications

PREV. CROP/HERB: Soybean / Liberty

SOIL DESCRIPTION: Sharpsburg silty clay loam, mod.
well drained, non-irrigated

SOIL CONDITION: No-Till, low P, very high K, 6.6
pH, 3.1% OM, 17.3 CEC

PEST MANAGEMENT: Stalwart C, Glyphosate, 2-4d,
Choice, Realm Q, Atrazine,

FERTILITY - Applied N: 164 Fall, 23 Sidedress

Applied N-P-K (units): 187-0-0

SEEDED - RATE - ROW: Apr 24 33.0 /A 30" spacing

HARVESTED - STAND: Oct 24 32.0 /A

TEST COMMENTS:

Very nice looking plot. Planting conditions were good and plants emerged well. Plants were well matured at harvest and did show some stalk weakness, which was the cause of some lodging. Ear shanks were getting weak, and ears were varied in size but with very good seed depth. There was no weed pressure, and some head shelling could be seen.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
FS INVISON	FS 6306T RIB	TRE,B	113	253.3	13.1	1	30.9	843	1
FS INVISON	FS 6595V RIB	VT2P,B	115	250.4	13.5	1	32.9	834	2
INTEGRA	6533 VT2PRIB	VT2P,B	115	249.6	13.6	2	29.9	831	3
KRUGER	K1611DP	VT2P,B	116	246.4	14.7	2	31.9	821	4
KRUGER	K1501DP	VT2P,B	115	242.7	13.8	2	31.9	808	5
WYFFELS	W7956RIB	VT2P,B	114	234.1	13.2	2	30.9	780	6
KRUGER	K1541SS	STX,B	115	231.8	13.3	1	32.9	772	7
GOLDEN HARVEST	G12S75-5122-EZR	5122,B	112	230.8	13.7	1	31.9	769	8
DYNA-GRO	D54VC34	VT2P	114	229.4	13.3	2	30.9	764	9
INTEGRA	6588 VT2PRIB	VT2P,B	115	228.5	14.5	1	30.9	761	10
INTEGRA	6695 VT2PRIB	VT2P	116	226.9	13.5	1	33.9	756	11
INTEGRA	6284 VT2PRIB	VT2P,B	112	226.7	13.1	1	31.9	755	12
FEDERAL	6290 VT2PRIB	VT2P,B	112	226.2	12.9	2	32.9	753	13
NUTECH	74B6AM	AM,B	114	225.3	12.9	3	33.9	750	14
WYFFELS	W7876RIB	VT2P,B	114	225.1	13.3	2	30.9	750	15
AUGUSTA	4465	3110,B	115	222.4	13.1	8	32.9	741	16
RENK	RK945DGV2P	VT2PDG,B	115	221.2	13.4	1	29.9	737	17
DYNA-GRO	D53VC33	VT2P	113	221.0	12.8	1	32.9	736	18
NK BRAND	NK1460-5222-EZR	5222,B	114	220.7	12.8	5	32.9	735	19
MIDWEST GENETICS	MW15-49 DGV2P GC	VT2PDG	115	219.4	13.4	1	31.9	731	20
NUTECH	72B7CYFR	QR	112	216.9	12.9	2	32.9	722	22
NK BRAND	NK1205-3120-EZR	3120,B	112	216.4	12.4	4	31.9	721	23
NUTECH	5FB-2213AM	AM,B	113	216.2	13.2	5	32.9	720	24
KRUGER	K1237DT	TRE,B	112	214.7	12.8	1	31.9	715	25
NUTECH	75G1YHR	OI	115	214.6	13.4	1	31.9	715	26
HOEGEMEYER	8233AM	AM,AQ,B	112	214.6	12.9	2	31.9	715	27
FEDERAL	6280 VT2PRIB	VT2P,B	112	213.9	13.4	2	32.9	712	28
FS INVISON	FS 6406X RIB	STX,B	114	210.7	13.2	3	31.9	702	29
FS INVISON	FS 6395VDG RIB	VT2PDG,B	113	209.6	13.2	1	32.9	698	30
NUTECH	E74D3AM	AM,B	114	209.1	13.4	5	31.9	696	31
PIONEER	P1185AM CK	AM,B	111	218.4	12.2	1	29.9	727	21

Averages = **217.3** **13.2** **2** **32.0** **724**

LSD (0.10) = 11.2 0.5 3

LSD (0.25) = 5.9 0.3 1

C.V. = 4.9

Historic yield: 195.2 bu/a, 4 yr(s)



Randy Meinsma

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Yield & Income Factors: Base Moisture = 15.0% Shrink = 1.3 Drying = \$0.025 Prices: GMO = \$3.33

Report Date: 10/24/2020

† 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 - Iowa South [IASO]

Early-Season Test Products (45 Total)

Company/Brand	Product/Brand	Technology	RM	Seed Treat.
AUGUSTA	1259	3330,B	109	AVC,C5
AUGUSTA	3058-3120	3120	108	CM,C2,Vi
AUGUSTA	4658-3220	3220	108	CM,C2
CHANNEL	208-38VT2PRIB GC	VT2P,B	108	NA
CHANNEL	209-06STXRIB GC	STX,B	109	NA
DYNA-GRO	D51VC41	VT2P	111	AC,P5V,EDC-B
FS INVISION	FS 5909D2A EZR	5222A,B	109	AC,P5V
FS INVISION	FS 60UX1 RIB	STX,B	110	AC,P5V
FS INVISION	FS 6106X RIB	STX,B	111	AC,P5V
FS INVISION	FS 6107T RIB	TRE,B	111	AC,P5V
FS INVISION	FS 6194V RIB	VT2P,B	111	AC,P5V
GOLDEN HARVEST	G10D21-3330-EZR	3330,B	110	AVC,C5,Vi
GOLDEN HARVEST	G10L16-5222A-EZR	5222A,B	110	AVC,C5,Vi
GOLDEN HARVEST	G11V76-5122-EZR	5122,B	111	AVC,C5,Vi
HOEGEMEYER	7869AM	AM,B	108	Lum,P1V
HOEGEMEYER	7955AML	AML,B	109	Lum,P5V
INTEGRA	5719 VT2PRIB	VT2P,B	107	AC,P2,St,SU
INTEGRA	5939 STXRIB	STX,B	109	AC,P5V,St,SU
INTEGRA	6061 VT2PRIB	VT2P	110	AC,P5,St,SU
INTEGRA	6181 3010A	3010A	111	CM,C2,St,SU
KRUGER	K0807SS	STX,B	108	AC,PV5,B360
KRUGER	K0915DD	VT2PDG,B	109	AC,P5,B360
KRUGER	K0917SS	STX,B	109	AC,PV5,B360
KRUGER	K1005DP	VT2P,B	110	AC,P2,B360
KRUGER	K1114SS	STX,B	111	AC,PV5,B360
LATHAM	LH 5725 VT2P RIB	VT2P,B	107	AC250
MIDWEST GENETICS	MW09-79 VT2P GC	VT2P	109	NA
MIDWEST GENETICS	MW11-15 SSRIB GC	STX,B	108	NA
NK BRAND	NK0821-3120A-EZR	3120A,B	108	AVC,C5,Vi
NK BRAND	NK0886-3120-EZR	3120,B	108	AVC,C5,Vi
NUTECH	5FB-8808AM	AM,B	108	P1V,RN
NUTECH	68A7AM	AM,B	107	P1V,RN
NUTECH	68B3VYHR	OL,B	108	P1V,RN
NUTECH	70A8AM	AM,B	110	P1V,RN
NUTECH	70F2Q	QR,B	110	P1V,RN
PIONEER	P0720Q GC	QR,B	107	NA

Company/Brand	Brand/Product	Technology	RM	Seed Treat.
PIONEER	P1108Q GC	QR,B	111	NA
PIONEER	P1185AM CK	AM,B	111	NA
RENK	RK805VT2P	VT2P	110	AC,P2
RENK	RK807SSTXRIB	STX,B	111	AC,P5V
RENK	RK882SSTX	STX	111	AC,P5V
TITAN PRO	94-09 2P	VT2P,B	109	AC250
WYFFELS	W6826RIB	VT2P,B	111	AC250
WYFFELS	W6906	VT2P	111	AC250
WYFFELS	W6978	STX	111	AC,P5V

2020 Corn - Iowa South [IASO]

Full-Season Test Products (45 Total)

Company/Brand	Product/Brand	Technology	RM	Seed Treat.
AUGUSTA	4465	3110,B	115	CM,C2
DYNA-GRO	D53VC33	VT2P	113	AC,P5V,EDC-B
DYNA-GRO	D54VC34	VT2P	114	AC,P5V,EDC-B
FEDERAL	6280 VT2PRIB	VT2P,B	112	AC,P2
FEDERAL	6290 VT2PRIB	VT2P,B	112	AC,P2,MAG
FEDERAL	6400 DGVT2PRIB	VT2PDG,B	114	AC,P2,MAG
FS INVISION	FS 6306T RIB	TRE,B	113	AC,P5V
FS INVISION	FS 6395VDG RIB	VT2PDG,B	113	AC,P5V
FS INVISION	FS 6406X RIB	STX,B	114	AC,P5V
FS INVISION	FS 6595V RIB	VT2P,B	115	AC,P5V
FS INVISION	FS 6606T RIB	TRE,B	116	AC,P5V
GOLDEN HARVEST	G12S75-5122-EZR	5122,B	112	AVC,C5,Vi
GOLDEN HARVEST	G13H15-3120-EZR	3120,B	113	AVC,C5,Vi
GOLDEN HARVEST	G15J91-3220-EZR	3220,B	115	AVC,C5,Vi
HOEGEMEYER	8233AM	AM,AQ,B	112	Lum,P1V
HOEGEMEYER	8382AM	AM,B	113	Lum,P5V
HOEGEMEYER	8490AM	AM,AQ,B	114	Lum,P5V
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
INTEGRA	6695 VT2PRIB	VT2P	116	AC,P5V,St,SU
KRUGER	K1204SS	STX,B	112	AC,PV5,B360
KRUGER	K1237DT	TRE,B	112	AC,P5,B360
KRUGER	K1501DP	VT2P,B	115	AC,P2,B360
KRUGER	K1541SS	STX,B	115	AC,PV5,B360
KRUGER	K1611DP	VT2P,B	116	AC,P5,B360
MIDWEST GENETICS	MW15-49 DGVT2P GC	VT2PDG	115	NA
NK BRAND	NK1205-3120-EZR	3120,B	112	AVC,C5,Vi
NK BRAND	NK1460-5222-EZR	5222,B	114	AVC,C5,Vi
NUTECH	5FB-2213AM	AM,B	113	P1V,RN
NUTECH	72B7CYFR	QR	112	P1V,RN
NUTECH	74B6AM	AM,B	114	P1V,RN
NUTECH	75G1YHR	OI	115	P1V,RN
NUTECH	E74D3AM	AM,B	114	P1V,RN
PIONEER	P1185AM CK	AM,B	111	NA

Company/Brand	Brand/Product	Technology	RM	Seed Treat.
RENK	RK866DGVT2P	VT2PDG	112	AC,P2
RENK	RK937VT2P	VT2P,B	113	AC,P2
RENK	RK945DGVT2P	VT2PDG,B	115	AC,P2
TITAN PRO	82-14 2P	VT2P,B	114	AC250
WYFFELS	W7726RIB	VT2P,B	113	AC250
WYFFELS	W7876RIB	VT2P,B	114	AC250
WYFFELS	W7956RIB	VT2P,B	114	AC250
WYFFELS	W8148	STX	115	AC,P5V
WYFFELS	W8936DGRIB	VT2PDG,B	117	AC250

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*

3010A Agrisure® Artesian® 3010 (CB,LL,GT)
 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)
 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)
 AQ Optimum® AQUAmax®
 B Blend, Refuge in a Bag (RIB) or EZ-Refuge
 OI Optimum® Intrasect®
 OL Optimum® Leptra®
 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,B360	Acceleron Poncho 250 with BioRise™ B-360 ST
AC,P2,MAG	Acceleron 250, Federal ArmourGuard
AC,P2,St,SU	Acceleron 250, Stamina, StepUp
AC,P2V,St,SU	Acceleron Poncho 250 Votivo, Stamina, StepUp
AC,P5,B360	Acceleron Poncho 500 with BioRise™ B-360 ST
AC,P5,St,SU	Acceleron Poncho 500, Stamina, StepUp
AC,P5V	Acceleron, Poncho 500/Votivo
AC,P5V,EDC-B	Acceleron, Basic Poncho 500/Votivo with Enhanced Disease Control
AC,P5V,St,SU	Acceleron Poncho 500/Votivo, Stamina, StepUp
AC,PV5,B360	Acceleron Poncho 500/Votivo with BioRise™ B-360 ST
AVC,C5	Avicta Complete 500
AVC,C5,Vi	Avicta Complete 500, Vibrance
CM,C2	CruiserMaxx 250
CM,C2,St,SU	CruiserMaxx 250, Stamina, StepUp
CM,C2,Vi	CruiserMaxx 250 with Vibrance
Lum,P1V	Lumigen Poncho 1250/Votivo
Lum,P5V	Lumigen Poncho 500/Votivo
P1V,RN	Poncho 1250/Votivo, Rancona®

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