

2016 Corn Grain Top 30 Harvest Report

Iowa North Central [IANC] BRITT
Donald Kirsch, Hancock County, IA 50483



Test by: North Iowa F.I.R.S.T., Inc, Sanborn, IA

PREV. CROP/HERB: Soybean / Balance Flexx, atrazine, Impact, atrazine
SOIL DESCRIPTION: Clarion-Webster clay loam, well drained, non-irrigated
SOIL CONDITION: Minimum w/o fall till, high P, high K, 6.4 pH, 4.2% OM
PEST MANAGEMENT: Balance Flexx, atrazine, Force 3G, Impact, atrazine
FERTILITY - Applied N: 45 Fall, 45 Spring, 120 Sidedress
Applied N-P-K (units): 210-81-66
SEEDING - RATE - ROW: Apr 22 36,000 /A 30" spacing
HARVESTED - STAND: Oct 1 35,000 /A

Early-Season Test

101 - 106 Day CRM
B2016IANC01a

Top 30 of 66

For Gross Income (Sorted by Yield)

Average of (3) Replications

Company/Brand	Product/Brand†	Technol.†	RM	Yield Bu/A	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Becks	5515^	OIXT	105	276.0	22.2	0	35.8	837	1
Federal	5550SSTXRIB	STX,B	105	273.5	24.0	0	34.5	815	4
Prairie Brand	5646SX	STX	106	270.3	23.5	5	34.5	810	8
Latham	EX5339SS	STX	103	270.0	23.1	0	35.2	812	5
Dairyland	DS-9106	STX	106	269.8	23.0	0	33.9	812	6
Renk	RK717SSTX	STX	105	269.7	22.5	0	35.8	816	3
Pfister	65B1VX	HXT,RR2	105	268.5	23.7	3	33.9	803	10
Cornelius	C457SS	STX	105	267.9	23.9	0	35.8	799	11
NuTech/G2 Gen	5Z-503^	OI	103	267.2	21.1	0	35.2	820	2
NuTech/G2 Gen	5K-702^	OIXT	102	265.5	22.1	0	35.8	806	9
Titan Pro	TP 31-01 3011A	3011,A	101	263.9	20.8	0	35.8	812	7
FS InVISION	FS 53UX1	STX	103	263.2	22.7	3	35.8	795	12
NorthStar	D91-06RL	STX,B	106	263.2	25.7	1	33.9	771	25
Latham	LH5509SSRIB	STX,B	105	263.0	24.0	0	33.9	784	18
Kruger	K4R-9504	STX,B	104	262.5	22.9	0	34.5	791	13
NuTech/G2 Gen	5F-906^	AM,B	106	262.4	25.6	0	35.8	769	28
NuTech/G2 Gen	5F-504^	AM,B	104	261.7	22.7	0	35.2	790	14
Champion	CSX54A17SS	STX	104	261.1	22.5	0	35.8	790	15
Kruger	K4R-9305	STX,B	105	260.2	22.1	0	35.8	790	17
Dyna-Gro	D45SS65	STX	105	257.4	22.1	0	35.2	782	21
Epley	E1612SS	STX	106	256.4	22.8	0	33.9	773	24
Dyna-Gro	D43SS50	STX	103	256.2	22.3	0	35.8	777	22
Pfister	X14503VX	HXT,RR2	103	256.1	23.4	0	35.2	768	29
Channel	203-01STXRIB	STX,B	103	255.5	21.2	0	34.5	783	19
Latham	LH5659SSRIB	STX,B	106	255.2	22.8	0	35.8	770	26
LG Seeds	LG5499STXRIB	STX,B	100	253.7	20.5	0	35.8	783	20
Cornelius	C324SS	STX	101	253.2	22.5	0	35.2	766	31
Kruger	K4R-9802	STX,B	102	253.0	22.1	0	35.8	768	30
Wyffels	W3076	VT2P	102	251.7	20.4	0	35.2	777	23
NorthStar	NS102-168DGV2P	VT2P,DG	102	250.7	21.0	0	34.5	770	27
Pioneer	P0570AMXT CK	AMXT,B	105	260.3	22.2	0	35.8	790	16

Corey Rozenboom

Corey Rozenboom

corey.rozenboom@firstseedtests.com, (319) 830-8886

Averages = **249.9** **22.4** **0** **35.0** **756**

LSD (0.10) = 12.3 1.4 ns

LSD (0.25) = 8.6 1.0 ns

C.V. = 3.7 Prev. years average yield, 204.7 bu/a, 2 yrs

Yield & Income Factors: Base Moisture = 15.0% Shrink = 1.3 Drying = \$0.030 Prices: GMO = \$3.25; non-GMO = \$3.25

Test Comments: *Seasonal conditions were ideal for later maturing hybrids here. Ideal weather following planting provided for excellent stands and good plant establishment. Seasonal rainfall was spread out pretty well with a couple slightly dry periods, one just before tassel and again from blister to dough stages. Growing season rainfall totals were about 5.8" above the 30-yr average for this area.*

† 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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Report Date: 10/02/2016 Revised:

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PEST MANAGEMENT: Balance Flexx, atrazine, Force 3G, Impact, atrazine
FERTILITY - Applied N: 45 Fall, 45 Spring, 120 Sidedress
Applied N-P-K (units): 210-81-66
SEEDING - RATE - ROW: Apr 22 36,000 /A 30" spacing
HARVESTED - STAND: Oct 1 35,100 /A

Full-Season Test
107 - 110 Day CRM
B2016IANC01b

Top 30 of 66

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

Company/Brand	Product/Brand†	Technol.†	RM	Yield Bu/A	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Channel	210-26STXRIB	STX,B	110	280.8	28.8	0	35.8	796	8
Channel	209-53STXRIB	STX,B	109	274.7	27.0	0	35.8	794	10
Channel	207-27STXRIB	STX,B	107	274.6	23.8	0	35.8	820	1
Becks	5883SX	STX	108	274.5	24.2	3	35.2	816	2
Wyffels	W6198	STX	109	273.5	26.6	0	35.8	794	11
NuTech/G2 Gen	5F-709^	AM,AQ,B	109	272.4	24.6	0	35.8	807	4
Becks	6076SX	STX,B	110	271.7	26.3	0	35.2	791	13
Cornelius	C621SS	STX	110	270.9	25.0	0	35.2	799	7
Wyffels	W7106RIB	VT2P,B	110	269.7	23.5	0	35.8	808	3
Dekalb	DKC60-67RIB GC	STX,B	110	269.3	25.2	0	35.8	793	12
NuTech/G2 Gen	5H-806^	HX,RR2	106	269.1	23.5	3	35.8	806	5
NuTech/G2 Gen	5F-510^	AM,B	110	268.4	27.9	1	35.8	768	26
Titan Pro	TP 59-08 SS	STX,B	108	268.1	23.6	1	35.8	802	6
Dekalb	DKC58-06RIB GC	STX,B	108	267.7	24.4	0	35.8	795	9
Titan Pro	TP 66-10 2P	VT2P,B	110	265.9	24.2	1	35.2	791	14
LG Seeds	LG5548STXRIB	STX,B	108	265.9	26.2	0	35.8	775	22
Renk	RK792SSTX	STX	108	263.0	25.9	0	31.2	769	23
Steyer	10707GENSS	STX	107	262.8	23.0	0	35.8	791	15
Latham	LH5885VT2ProRIB	VT2P,B	108	262.8	23.4	0	31.2	788	16
Cornelius	C585DP	VT2P	109	262.1	23.5	0	35.2	785	17
Kruger	K4R-9608	STX,B	108	262.0	25.5	0	34.5	769	24
Dyna-Gro	D49VC39RIB	VT2P,B	109	261.9	24.4	0	31.2	777	19
Pioneer	P0760AMXT GC	AMXT,AQ,B	107	259.6	23.1	0	33.9	781	18
FS InVISION	FS 58QX1 RIB	STX,B	108	258.0	22.9	0	35.8	777	20
FS InVISION	FS 60LX1	STX	110	257.6	23.8	0	32.5	769	25
NuTech	5N-410	3000GT	110	256.8	23.8	0	31.9	767	27
Champion	CSX57A16VT2ProRIB	VT2P,B	107	255.9	23.7	0	34.5	765	30
Viking	49-09N	None	109	254.7	23.1	0	35.8	766	29
Wyffels	W4968RIB	STX,B	107	254.5	22.9	0	35.8	767	28
Renk	RK794DGV2P	VT2P,DG,B	108	251.9	22.2	0	34.5	764	31
Pioneer	P0570AMXT CK	AMXT,B	105	258.0	23.1	0	35.8	776	21

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Averages = **256.9** **24.8** **0** **35.1** **759**

LSD (0.10) = 14.7 2.3 ns

LSD (0.25) = 10.3 1.6 ns

C.V. = 4.2 Prev. years average yield, 204.7 bu/a, 2 yrs

Yield & Income Factors: Base Moisture = 15.0% Shrink = 1.3 Drying = \$0.030 Prices: GMO = \$3.25; non-GMO = \$3.25

Test Comments: *Seasonal conditions were ideal for later maturing hybrids here. Ideal weather following planting provided for excellent stands and good plant establishment. Seasonal rainfall was spread out pretty well with a couple slightly dry periods, one just before tassel and again from blister to dough stages. Growing season rainfall totals were about 5.8" above the 30-yr average for this area.*

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Early-Season Test Products (66 Total)

Company/Brand	Product/Brand	Technol.	Seed Trt.	RM	Company/Brand	Product/Brand	Technol.	Seed Trt.	RM
Becks	5515 ^A	OIXT	Es	105	Pioneer	P0297AMXT GC	AMXT,AQ,B	MQ,C2	102
Becks	5665AMX ^A	AMX,B	Es	106	Pioneer	P0570AMXT CK	AMXT,B	MQ,C2,Lu	105
Champion	CSX54A15VT2ProRIB	VT2P,B	CM,C2	104	Prairie Brand	5127SX	STX	CM,C5,Vi,In	101
Champion	CSX54A17SS	STX	AC,P2	104	Prairie Brand	5406SX	STX	CM,C5,Vi,In	104
Champion	CSX56A13VT2ProRIB	VT2P,B	AC,P2	106	Prairie Brand	5646SX	STX	CM,C5,Vi,In	106
Champion	CSX56A17VT2Pro	VT2P	AC,P2	106	Renk	RK666SSTX	STX,B	AC,P5V	102
Channel	203-01STXRIB	STX,B	AC,P5V	103	Renk	RK675DGV2P	VT2P,DG,B	AC,P2	103
Cornelius	C324SS	STX	AC,P5V	101	Renk	RK680SSTX	STX,B	AC,P5V	103
Cornelius	C408DP	VT2P	CM,C2	104	Renk	RK717SSTX	STX	AC,P5V	105
Cornelius	C457SS	STX	AC,P5V	105	Steyer	10304VT2PRO	VT2P	AC,P5V	103
Dairyland	DS-9106	STX	CM,C5,Vi,In	106	Steyer	10503GENSSRIB	STX,B	CM,C2	105
Dairyland	DS-9204	STX	CM,C5,Vi,In	104	Titan Pro	TP 31-01 3011A	3011,A	CM,C2	101
Dairyland	DS-9403	STX	CM,C5,Vi,In	103	Titan Pro	TP 53-03 2P	VT2P,B	AC,P2	103
Dairyland	DS-9802	STX	CM,C5,Vi,In	102	Titan Pro	TP 58-01 2P	VT2P,B	AC,P2	101
Dekalb	DKC54-38RIB GC	STX,B	AC,P5V	104	Titan Pro	TP 67-02 SS	STX	AC,P2	102
Dyna-Gro	D43SS50	STX	AC,P5V	103	Viking	58-04N	None	CM,C2	104
Dyna-Gro	D45SS65	STX	AC,P5V	105	Viking	72-04N	None	CM,C2	104
Epley	E1410	None	MQ	104	Wyffels	W1968	STX	AC,P5V	101
Epley	E1612SS	STX	AC,P5V	106	Wyffels	W3076	VT2P	AC,P5V	102
Federal	5440SSTAXRIB	STX,B	AC,P5V	104	Wyffels	W3228RIB	STX,B	AC,P5V	103
Federal	5550SSTAXRIB	STX,B	AC,P5V	105	Wyffels	W4796RIB	VT2P,B	AC,P2	106
Federal	5670VT2PRIB	VT2P,B	AC,P5	106					
FS InVISION	FS 52ZX1 RIB	STX,B	AC,P5V	102					
FS InVISION	FS 53UX1	STX	AC,P5V	103					
FS InVISION	FS 54ZX1 RIB	STX,B	AC,P5V	104					
Kruger	K4R-9305	STX,B	AC,P5V	105					
Kruger	K4R-9504	STX,B	AC,P5V	104					
Kruger	K4R-9802	STX,B	AC,P5V	102					
Latham	EX5339SS	STX	AC,P5V	103					
Latham	LH5215VT2ProRIB	VT2P,B	AC,P2	102					
Latham	LH5509SSRIB	STX,B	AC,P5V	105					
Latham	LH5659SSRIB	STX,B	AC,P5V	106					
LG Seeds	LG5499STXRIB	STX,B	AC,P5V	100					
LG Seeds	LG5507STXRIB	STX,B	AC,P5V	103					
LG Seeds	LG5520STX	STX	AC,P5V	105					
NorthStar	D91-06RL	STX,B	AC,P5V	106					
NorthStar	NS102-168DGV2P	VT2P,DG	AC,P2	102					
NuTech/G2 Gen	5F-504 ^A	AM,B	MQ,P5V,R	104					
NuTech/G2 Gen	5F-906 ^A	AM,B	MQ,P5V,R	106					
NuTech/G2 Gen	5K-702 ^A	OIXT	MQ,P1V,R	102					
NuTech/G2 Gen	5Z-503 ^A	OI	MQ,P1V,R	103					
Pfister	2385RASS	STX,B	CM,C5,Vi,In	104					
Pfister	61C1VX	HXT,RR2	CM,C5,Vi,In	101					
Pfister	65B1VX	HXT,RR2	CM,C5,Vi,In	105					
Pfister	X14503VX	HXT,RR2	CM,C5,Vi,In	103					

2016 Corn Grain - Iowa North Central [IANC]



Full-Season Test Products (66 Total)

Company/Brand	Product/Brand	Technol.	Seed Trt.	RM	Company/Brand	Product/Brand	Technol.	Seed Trt.	RM
Augusta	A1108VT2ProRIB	VT2P,B	AC,P2	108	Pfister	70A1SSR	STX	CM,C1,Vi,In	110
Becks	5828AMX^	AMX,AQ,B	Es	110	Pioneer	P0570AMXT CK	AMXT,B	MQ,C2,Lu	105
Becks	5883SX	STX	Es	108	Pioneer	P0760AMXT GC	AMXT,AQ,B	MQ,C2,Lu	107
Becks	6076SX	STX,B	Es	110	Prairie Brand	5825RA	STX,B	CM,C5,Vi,In	108
Champion	CSX57A16VT2ProRIB	VT2P,B	AC,P2	107	Prairie Brand	6056SX	STX	CM,C5,Vi,In	110
Champion	CSX57A17SSRIB	STX,B	CM,C2	107	Renk	6-798VT2P	VT2P,B	AC,P2	109
Champion	CSX58A17Conv	None	AC,P2	108	Renk	RK792SSTX	STX	AC,P5V	108
Champion	CSX59A16SSRIB	STX,B	AC,P2V	109	Renk	RK794DGV2P	VT2P,DG,B	AC,P2	108
Channel	207-27STXRIB	STX,B	AC,P5V	107	Renk	RK810SSTX	STX,B	AC,P5V	110
Channel	209-53STXRIB	STX,B	AC,P5V	109	Steyer	10707GENSS	STX	AC,P5V	107
Channel	210-26STXRIB	STX,B	AC,P5V	110	Steyer	10806GENSSRIB	STX,B	CM,C2	108
Cornelius	C574DP	VT2P	CM,C2	107	Steyer	11005GENSSRIB	STX,B	CM,C2	110
Cornelius	C585DP	VT2P	CM,C2	109	Titan Pro	TP 58-10 SS	STX,B	AC,P5V	110
Cornelius	C621SS	STX	AC,P5V	110	Titan Pro	TP 59-08 SS	STX,B	AC,P5V	108
Dairyland	DS-9110	STX	CM,C1,Vi,In	110	Titan Pro	TP 66-10 2P	VT2P,B	AC,P2	110
Dairyland	DS-9508RA	STX,B	CM,C2	108	Viking	49-09N	None	CM,C2	109
Dairyland	DS-9911	STX	CM,C5,Vi,In	111	Viking	73-07N	None	CM,C2	107
Dekalb	DKC58-06RIB GC	STX,B	AC,P5V	108	Wyffels	W4968RIB	STX,B	AC,P5V	107
Dekalb	DKC60-67RIB GC	STX,B	AC,P5V	110	Wyffels	W5448RIB	STX,B	AC,P5V	108
Dyna-Gro	D49VC39RIB	VT2P,B	AC,P2	109	Wyffels	W6198	STX	AC,P5V	109
FS InVISION	FS 57TX1	STX	AC,P5V	107	Wyffels	W7106RIB	VT2P,B	AC,P2	110
FS InVISION	FS 58QX1 RIB	STX,B	AC,P5V	108					
FS InVISION	FS 60LX1	STX	AC,P5V	110					
FS InVISION	FS 60QV1 RIB	VT2P,B	AC,P2	110					
Kruger	K4R-9409	STX,B	AC,P5V	109					
Kruger	K4R-9608	STX,B	AC,P5V	108					
Kruger	K4R-9708	STX,B	AC,P5V	108					
Latham	LH5715VT2ProRIB	VT2P,B	AC,P2	107					
Latham	LH5885VT2ProRIB	VT2P,B	AC,P2	108					
Latham	LH5965VT2Pro	VT2P	AC,P5V	109					
Latham	LH6045VT2ProRIB	VT2P,B	AC,P2	110					
LG Seeds	LG5548STXRIB	STX,B	AC,P5V	108					
LG Seeds	LG5554-3111	3111	AVC,C5,Vi	108					
LG Seeds	LG5565STXRIB	STX,B	AC,P5V	108					
Mycogen	2A627 GC	STX,B	CM,C5,Vi,In	108					
NuTech	5N-410	3000GT	MQ,P5V,R	110					
NuTech	5N-607	3000GT	MQ,P5V,R	107					
NuTech	X5V-0707	3111	AVC,C2,Vi	107					
NuTech/G2 Gen	5F-308^	AM,B	MQ,P5V,R	108					
NuTech/G2 Gen	5F-510^	AM,B	MQ,P5V,R	110					
NuTech/G2 Gen	5F-709^	AM,AQ,B	MQ,P5V,R	109					
NuTech/G2 Gen	5H-806^	HX,RR2	MQ,P5V,R	106					
Pfister	2545RASS	STX,B	CM,C5,Vi,In	107					
Pfister	68A1VX	HXT,RR2	CM,C5,Vi,In	108					
Pfister	69B1VX	HXT,RR2	CM,C1,Vi,In	109					

Footnotes and Abbreviation Descriptions

Brand Footnotes

^	G2® brand seed is distributed by NuTech Seed, LLC. Catalyst™ and Power Plus® brand seed is distributed by Burrus. HPT® brand seed is distributed by Hoegemeyer Hybrids, Innotech™ brand seed is distributed by Rob-See-Co, LLC. RPM® brand seed is distributed by Doebler's PA Hybrids, Inc. Supreme EX® brand seed is distributed by Seed Consultants, Inc. VPMaxx® brand seed is distributed by AgVenture, Inc. XL® and Phoenix® brand seed is distributed by Beck's Superior Hybrids. Curry®, G2®, HPT®, Power Plus®, RPM®, Supreme EX®, VPMaxx® and XL® are registered trademarks of DuPont Pioneer. Catalyst™, Innotech™ and Phoenix® are trademarks of Syngenta.
CK	Identifies a check product included in early- and full-season tests.
GC	Grower Comparison product included by FIRST when space permits.

Corn Technologies*

3000GT	Agrisure® 3000GT (CB,RW,LL,GT)	HX	Herculex® 1, contains LL
3010	Agrisure® 3010 (CB,LL,GT)	HX,RR2	Herculex® 1, Roundup Ready 2 Corn
3110	Agrisure® Viptera® 3110 (Vip, CB,LL,GT)	HXRW	Herculex® Rootworm, contains LL
3111	Agrisure® Viptera® 3111 (Vip,CB,RW,LL,GT)	HXT	Herculex® Xtra (HX,HXRW,LL)
3122	Agrisure® 3122 (CB,HXX,RW,LL,GT)	HXT,RR2	Herculex® Xtra, Roundup Ready 2 Corn
3220	Agrisure® Viptera® 3220 (Vip,CB,HX,LL,GT)	LL	LibertyLink®
A	Agrisure® Artesian®	None	conventional corn
AM	Optimum® AcreMax® (YGCB,HX,LL,RR2)	OI	Optimum® Intrasect®, YHR (YGCB,HX,LL,RR2)
AMT	Optimum® AcreMax® TRIsect (HX,RW,LL,RR2)	OIX	Optimum® Intrasect® Xtra, YXR (YGCB,HXT,LL,RR2)
AMX	Optimum® AcreMax® Xtra (YGCB,HXT,LL,RR2)	OIXT	Optimum® Intrasect® Xtreme, CYXR (YGCB,HXT,RW,LL,RR2)
AMXT	Optimum® AcreMax® Xtreme (YGCB,HXT,RW,LL,RR2)	RR2	Roundup Ready® 2 Corn
AQ	Optimum® AQUAMax®	RW	Agrisure® Rootworm
B	Refuge Blend	STX	SmartStax® (VT3P,HXT,RR2,LL)
CB	Agrisure® Corn Borer	VT2P	Genuity® VT Double PRO®
DG	Genuity® DroughtGard®	VT3P	Genuity® VT Triple PRO®
GT	Agrisure® GT	YGCB	YieldGard® Corn Borer
GT/CB/LL	Agrisure® GT/CB/LL		

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

Corn Seed Treatments**

n/a	information not provided	In	Intego™ Solo
A	Allegiance®	L	Lorsban®
AC	Accelaron® fungicide products	Lu	Lumivia™
AChD	Accelaron® fungicide products	M	Maxim XL®
At	Actellic®	MQ	Maxim Quattro®
AVC	Avicta® Complete Corn	None	untreated
C2, C5, C1	Cruiser® at 0.25, 0.5 and 1.25 mg ai/seed, respectively	P2, P5, P1	Poncho® at 0.25, 0.5 and 1.25 mg ai/seed, respectively
CE	Cruiser Extreme®	R	Raxil®
CM	CruiserMaxx® Corn	V	Votivo®
D	Dynasty®	Vi	Vibrance®
Es	Escalate®		

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