

2016 Corn Grain Top 30 Harvest Report
 Iowa North Central [IANC] WATERLOO
 Rottinghaus Farms, Black Hawk County, IA 50703



PREV. CROP/HERB: Soybean / Fierce
 SOIL DESCRIPTION: Marquis-Readlyn silty clay loam, mod. well drained, non-irrigated
 SOIL CONDITION: Minimum w/ fall till, high P, high K, 6.2 pH, 4.5% OM
 PEST MANAGEMENT: Force 3G, Corvus, atrazine, Laudis
 FERTILITY - Applied N: 33 Fall, 170 Spring, 28 Foliar
 Applied N-P-K (units): 231-104-120
 SEEDING - RATE - ROW: Apr 23 36,000 /A 30" spacing
 HARVESTED - STAND: Sep 29 35,200 /A

Early-Season Test
101 - 106 Day CRM
 B2016IANC06a

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
Wyffels	W3076	VT2P	102	245.8	20.1	6	31.2	761	1
NuTech/G2 Gen	5Z-503^	OI	103	241.1	20.3	3	35.8	745	3
Federal	5670VT2PRIB	VT2P,B	106	240.3	19.8	6	35.8	746	2
NuTech/G2 Gen	5K-702^	OIXT	102	239.9	20.4	6	35.8	741	5
Cornelius	C408DP	VT2P	104	239.3	19.7	3	35.8	744	4
Cornelius	C457SS	STX	105	238.2	23.4	6	35.8	714	13
Latham	LH5509SSRIB	STX,B	105	238.1	23.1	6	29.9	716	11
Champion	CSX54A17SS	STX	104	237.8	21.4	3	35.8	727	7
Channel	203-01STXRIB	STX,B	103	237.3	20.9	6	34.5	729	6
Renk	RK717SSTX	STX	105	235.8	21.2	3	34.5	722	9
Latham	EX5339SS	STX	103	234.2	22.4	3	34.5	709	17
Dyna-Gro	D45SS65	STX	105	233.9	22.1	3	35.8	710	15
Titan Pro	TP 53-03 2P	VT2P,B	103	233.0	20.9	6	35.8	716	12
Dairyland	DS-9106	STX	106	232.8	22.8	6	32.5	702	21
Federal	5550SSTXRIB	STX,B	105	232.7	22.9	6	35.8	701	22
NorthStar	D91-06RL	STX,B	106	232.3	22.9	3	33.2	700	23
Champion	CSX56A17VT2Pro	VT2P	106	232.0	19.1	3	36.5	725	8
Titan Pro	TP 31-01 3011A	3011,A	101	231.6	19.8	6	35.8	719	10
Latham	LH5215VT2ProRIB	VT2P,B	102	231.5	21.0	6	36.5	711	14
Kruger	K4R-9802	STX,B	102	230.8	21.5	6	35.8	705	18
Pfister	65B1VX	HXT,RR2	105	230.8	22.8	3	35.8	696	25
Wyffels	W4796RIB	VT2P,B	106	230.6	22.6	6	35.8	697	24
Latham	LH5659SSRIB	STX,B	106	230.6	23.0	6	29.2	694	26
Dyna-Gro	D43SS50	STX	103	229.8	21.2	6	35.8	704	19
Kruger	K4R-9504	STX,B	104	229.5	20.2	6	35.8	710	16
Epley	E1612SS	STX	106	229.1	22.7	3	35.8	692	30
Wyffels	W1968	STX	101	225.7	19.5	6	35.8	703	20
Titan Pro	TP 58-01 2P	VT2P,B	101	222.0	19.3	3	35.8	693	27
Steyer	10304VT2PRO	VT2P	103	221.7	19.2	6	36.5	693	28
NorthStar	NS102-168DGV2P	VT2P,DG	102	220.7	18.6	3	36.5	693	29
Pioneer	P0570AMXT CK	AMXT,B	105	220.0	21.6	6	36.5	671	46

Corey Rozenboom

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

Averages = **222.7** **21.3** **5** **35.2** **682**

LSD (0.10) = 12.0 1.0 ns

LSD (0.25) = 8.4 0.7 ns

C.V. = 4.0 Prev. years average yield, 197.2 bu/a, 7 yrs

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

Test Comments: *Incredible consistency at this site provided great data. Good stands and early season vigor from timely rain that continued all season without dry periods or flooding. No foliar diseases or significant insect pressures were observed. Largest rain events were 2.8" June 22, 2.8" July 23 (blister to milk stage) followed by 2.13" Aug 12 (dough stage). Total season rain was 5.6" above the 30-yr avg.*

† 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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 SOIL CONDITION: Minimum w/ fall till, high P, high K, 6.2 pH, 4.5% OM
 PEST MANAGEMENT: Force 3G, Corvus, atrazine, Laudis
 FERTILITY - Applied N: 33 Fall, 170 Spring, 28 Foliar
 Applied N-P-K (units): 231-104-120
 SEEDING - RATE - ROW: Apr 23 36,000 /A 30" spacing
 HARVESTED - STAND: Sep 29 35,700 /A

Full-Season Test
107 - 110 Day CRM
 B2016IANC06b

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	209-53STXRIB	STX,B	109	256.0	23.3	3	35.8	768	1
Channel	210-26STXRIB	STX,B	110	247.6	23.6	3	35.8	741	2
Dekalb	DKC60-67RIB GC	STX,B	110	241.2	23.1	6	36.5	725	3
Channel	207-27STXRIB	STX,B	107	241.0	23.4	3	35.8	723	4
Cornelius	C585DP	VT2P	109	238.4	23.4	3	36.5	715	5
Kruger	K4R-9409	STX,B	109	238.4	23.6	6	36.5	713	6
LG Seeds	LG5548STXRIB	STX,B	108	237.4	23.3	3	35.8	712	7
FS InVISION	FS 60QV1 RIB	VT2P,B	110	236.8	23.3	6	36.5	711	8
Kruger	K4R-9708	STX,B	108	236.0	23.0	3	35.8	710	9
NuTech/G2 Gen	5F-510^	AM,B	110	235.9	23.8	6	35.8	704	11
Dyna-Gro	D49VC39RIB	VT2P,B	109	235.2	23.7	6	36.5	703	12
Wyffels	W6198	STX	109	234.5	23.5	6	36.5	702	13
Kruger	K4R-9608	STX,B	108	234.2	23.5	6	35.2	701	14
NuTech/G2 Gen	5H-806^	HX,RR2	106	233.7	22.5	6	35.8	707	10
Champion	CSX57A16VT2ProRIB	VT2P,B	107	233.4	23.7	6	34.5	698	17
Becks	6076SX	STX,B	110	233.0	23.9	3	34.5	695	22
Pfister	69B1VX	HXT,RR2	109	232.9	24.1	3	36.5	693	25
Dekalb	DKC58-06RIB GC	STX,B	108	232.3	23.0	6	35.8	699	15
Champion	CSX59A16SSRIB	STX,B	109	232.2	23.5	3	35.8	695	23
Dairyland	DS-9508RA	STX,B	108	232.2	24.1	3	35.8	691	27
NuTech/G2 Gen	5F-308^	AM,B	108	231.9	23.2	6	35.8	697	19
FS InVISION	FS 57TX1	STX	107	231.4	22.7	6	35.8	699	16
Titan Pro	TP 66-10 2P	VT2P,B	110	231.3	23.7	3	35.8	691	28
Latham	LH5965VT2Pro	VT2P	109	230.7	22.7	6	35.8	696	20
FS InVISION	FS 60LX1	STX	110	230.3	23.6	3	35.8	689	30
LG Seeds	LG5565STXRIB	STX,B	108	230.0	23.1	6	35.8	692	26
Renk	6-798VT2P	VT2P,B	109	229.8	23.3	3	35.8	690	29
Steyer	10707GENSS	STX	107	227.9	21.6	6	35.2	696	21
Wyffels	W4968RIB	STX,B	107	225.7	20.3	6	36.5	698	18
Viking	73-07N	None	107	225.5	20.6	6	35.2	695	24
Pioneer	P0570AMXT CK	AMXT,B	105	223.2	21.8	6	35.8	680	40

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Averages = **226.8** **23.1** **5** **35.7** **682**

LSD (0.10) = 14.3 0.6 ns

LSD (0.25) = 10.0 0.4 ns

C.V. = 4.7 Prev. years average yield, 197.2 bu/a, 7 yrs

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

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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.