

2016 Corn Grain Top 30 Harvest Report

Iowa Northwest [IANW] MOORLAND
 Jeff Loehr, Webster County, IA 50566



PREV. CROP/HERB: Corn / Corvus, DiFlexx DUO
 SOIL DESCRIPTION: Nicollet-Clarion loam, well drained, non-irrigated
 SOIL CONDITION: Conventional w/ fall till, high P, high K, 6.8 pH, 4.7% OM
 PEST MANAGEMENT: Verdict, Armezon, atrazine
 FERTILITY - Applied N: 71 Spring, 120 Sidedress
 Applied N-P-K (units): 191-30-80
 SEEDING - RATE - ROW: Apr 26 36,000 /A 30" spacing
 HARVESTED - STAND: Sep 30 33,000 /A

Early-Season Test
101 - 106 Day CRM
 B2016IANW03a

Top 30 of 72

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
Latham	EX5339SS	STX	103	253.6	22.9	0	35.2	764	1
Federal	5550SSTXRIB	STX,B	105	249.5	23.6	0	33.9	747	4
Federal	5370SSTAX	STX	103	248.9	21.2	0	35.8	763	2
NuTech/G2 Gen	5Z-503^	OI	103	245.0	20.5	0	35.8	756	3
Kruger	K4R-9802	STX,B	102	244.5	22.9	0	31.9	737	10
Cornelius	C408DP	VT2P	104	243.2	22.1	0	33.9	739	8
FS InVISION	FS 53UX1	STX	103	243.1	21.5	0	35.8	743	5
Champion	CSX54A17SS	STX	104	242.3	21.6	0	32.5	739	9
FS InVISION	FS 54ZX1 RIB	STX,B	104	242.2	21.2	0	34.5	742	6
Champion	CSX56A17VT2Pro	VT2P	106	241.7	21.1	0	32.5	741	7
Epley	E1612SS	STX	106	239.5	21.7	0	34.5	730	11
LG Seeds	LG5507STXRIB	STX,B	103	238.2	23.3	0	34.5	715	14
Curry	XC-1605YHR	OI	105	237.6	21.8	0	34.5	724	12
Channel	203-01STXRIB	STX,B	103	233.7	21.3	0	34.5	715	15
NuTech/G2 Gen	5F-504^	AM,B	104	233.7	21.6	0	34.5	713	16
Dairyland	DS-9106	STX	106	233.6	22.1	0	31.2	709	17
Channel	205-19STXRIB	STX,B	105	233.6	22.3	0	31.9	708	18
Pfister	62A1VX	HXT,RR2	102	232.5	20.4	0	35.8	718	13
Prairie Brand	5646SX	STX	106	232.5	23.9	0	28.5	694	30
Kruger	K4R-9504	STX,B	104	232.1	22.6	0	33.2	701	19
Cornelius	C449DP	VT2P	105	230.7	22.1	0	30.5	701	20
Renk	RK717SSTX	STX	105	230.6	22.0	0	35.8	701	21
Titan Pro	TP 53-03 2P	VT2P,B	103	229.7	22.3	0	35.8	696	26
Cornelius	C457SS	STX	105	229.7	22.5	0	28.5	695	28
Wyffels	W3228RIB	STX,B	103	228.6	21.9	0	31.2	696	27
Becks	5515^	OIXT	105	228.0	20.8	0	35.8	701	22
FS InVISION	FS 52ZX1 RIB	STX,B	102	227.4	20.9	0	35.2	699	24
Latham	LH5109SSRIB	STX,B	101	225.9	20.0	0	33.2	700	23
Titan Pro	TP 67-02 SS	STX	102	225.2	20.0	0	29.9	698	25
Wyffels	W3076	VT2P	102	222.9	19.4	0	33.2	695	29
Pioneer	P0570AMXT CK	AMXT,B	105	215.1	22.6	0	30.5	650	60

Corey Rozenboom

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

Averages = **224.8** **22.1** **0** **33.0** **683**

LSD (0.10) = 18.2 1.8 ns

LSD (0.25) = 12.7 1.2 ns

C.V. = 6.0 Prev. years average yield, 201.6 bu/a, 4 yrs

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

Test Comments: *Plant heights at this corn on corn site were relatively short, but ears pollinated well and kernel depth was excellent. No significant levels of diseases or insects were observed to limit yields. Largest rain events were 3.8" July 17-19 (toward end of pollination), and 2.1" Aug 11. Seasonal rainfall totals from planting through maturity ended at about 3.8" 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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 PEST MANAGEMENT: Verdict, Armezon, atrazine
 FERTILITY - Applied N: 71 Spring, 120 Sidedress
 Applied N-P-K (units): 191-30-80
 SEEDING - RATE - ROW: Apr 26 36,000 /A 30" spacing
 HARVESTED - STAND: Sep 30 34,400 /A

Full-Season Test
107 - 110 Day CRM
 B2016IANW03b

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	257.2	24.8	0	35.8	760	1
Channel	209-53STXRIB	STX,B	109	257.1	24.8	0	35.2	760	2
Wyffels	W6198	STX	109	254.8	26.4	0	34.5	741	8
Champion	CSX58A17Conv	None	108	254.3	24.3	0	35.8	756	3
Becks	5883SX	STX	108	250.7	23.9	0	33.2	748	4
Champion	CSX57A16VT2ProRIB	VT2P,B	107	249.8	23.7	0	35.2	747	5
Latham	LH5715VT2ProRIB	VT2P,B	107	248.5	23.8	0	35.2	742	7
Cornelius	C621SS	STX	110	248.3	24.3	0	35.2	738	9
Legend	LR9608GENSSRIB	STX,B	108	248.2	23.5	0	35.8	743	6
Kruger	K4R-9608	STX,B	108	248.2	24.6	0	35.8	735	14
NuTech/G2 Gen	5F-709^	AM,AQ,B	109	248.1	24.3	0	35.8	737	10
Legend	LR9509GENSSRIB	STX,B	109	247.9	24.3	0	35.8	737	11
Dekalb	DKC60-67RIB GC	STX,B	110	247.2	24.0	0	35.8	737	12
Latham	LH6045VT2ProRIB	VT2P,B	110	247.2	24.3	0	34.5	734	15
Wyffels	W7106RIB	VT2P,B	110	245.1	23.3	0	35.8	736	13
Titan Pro	TP 59-08 SS	STX,B	108	245.1	23.7	0	35.8	733	17
Becks	5828AM^	AM,AQ,B	110	243.9	24.1	0	28.5	726	18
Jacobsen Seed	JS7503VT2PRORIB	VT2P,B	110	243.5	22.9	0	35.8	734	16
Latham	LH5965VT2Pro	VT2P	109	243.5	24.5	0	35.8	722	21
NuTech	5N-410	3000GT	110	243.5	25.1	0	33.9	718	23
Cornelius	C574DP	VT2P	107	242.7	23.9	0	35.2	724	20
Renk	RK794DGV2P	VT2P,DG,B	108	242.6	23.7	0	34.5	725	19
Titan Pro	TP 66-10 2P	VT2P,B	110	240.6	23.7	0	35.2	719	22
Kruger	K4R-9708	STX,B	108	240.3	23.8	0	35.2	718	24
NuTech	X5V-0707	3111	107	239.8	24.1	0	35.8	714	25
Dekalb	DKC58-06RIB GC	STX,B	108	239.4	24.0	0	35.2	713	27
Legend	LR9611GENSSRIB	STX,B	111	239.4	24.2	0	35.8	712	29
Pfister	2545RASS	STX,B	107	239.1	23.8	0	35.8	714	26
NuTech	5N-607	3000GT	107	239.0	24.1	0	31.2	712	30
LG Seeds	LG5554-3111	3111	108	237.9	23.5	0	35.8	713	28
Pioneer	P0570AMXT CK	AMXT,B	105	220.0	23.1	0	34.5	662	65

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Averages = **238.4** **24.1** **0** **34.4** **710**

LSD (0.10) = 13.6 0.7 ns

LSD (0.25) = 9.5 0.5 ns

C.V. = 4.2 Prev. years average yield, 201.6 bu/a, 4 yrs

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

Test Comments: *Plant heights at this corn on corn site were relatively short, but ears pollinated well and kernel depth was excellent. No significant levels of diseases or insects were observed to limit yields. Largest rain events were 3.8" July 17-19 (toward end of pollination), and 2.1" Aug 11. Seasonal rainfall totals from planting through maturity ended at about 3.8" above the 30-yr average for this area.*

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2016 Corn Grain - Iowa Northwest [IANW]



Early-Season Test Products (72 Total)

Company/Brand	Product/Brand	Technol.	Seed Trt.	RM	Company/Brand	Product/Brand	Technol.	Seed Trt.	RM
Becks	5515 ^A	OIXT	Es	105	NuTech/G2 Gen	5F-906 ^A	AM,B	MQ,P5V,R	106
Becks	5665AMX ^A	AMX,B	Es	106	NuTech/G2 Gen	5K-702 ^A	OIXT	MQ,P1V,R	102
Champion	CSX54A15VT2ProRIB	VT2P,B	CM,C2	104	NuTech/G2 Gen	5Z-503 ^A	OI	MQ,P1V,R	103
Champion	CSX54A17SS	STX	AC,P2	104	Pfister	61C1VX	HXT,RR2	CM,C5,Vi,In	101
Champion	CSX56A13VT2ProRIB	VT2P,B	AC,P2	106	Pfister	62A1VX	HXT,RR2	CM,C5,Vi,In	102
Champion	CSX56A17VT2Pro	VT2P	AC,P2	106	Pfister	65B1VX	HXT,RR2	CM,C5,Vi,In	105
Channel	203-01STXRIB	STX,B	AC,P5V	103	Pfister	X14503VX	HXT,RR2	CM,C5,Vi,In	103
Channel	205-19STXRIB	STX,B	AC,P5V	105	Pioneer	P0297AMXT GC	AMXT,AQ,B	MQ,C2	102
Cornelius	C408DP	VT2P	CM,C2	104	Pioneer	P0570AMXT CK	AMXT,B	MQ,C2,Lu	105
Cornelius	C449DP	VT2P	CM,C2	105	Prairie Brand	5127SX	STX	CM,C5,Vi,In	101
Cornelius	C457SS	STX	AC,P5V	105	Prairie Brand	5385RA	STX,B	CM,C5,Vi,In	103
Curry	826-64AMX	AMX,B	MQ,P5V,R	106	Prairie Brand	5406SX	STX	CM,C5,Vi,In	104
Curry	923-83AMXT	AMXT,B	MQ,P5V,R	103	Prairie Brand	5646SX	STX	CM,C5,Vi,In	106
Curry	XC-1605YHR	OI	MQ,P1V,R	105	Renk	RK666SSTX	STX,B	AC,P5V	102
Dairyland	DS-9106	STX	CM,C5,Vi,In	106	Renk	RK675DGV2P	VT2P,DG,B	AC,P2	103
Dairyland	DS-9204	STX	CM,C5,Vi,In	104	Renk	RK680SSTX	STX,B	AC,P5V	103
Dairyland	DS-9403	STX	CM,C5,Vi,In	103	Renk	RK717SSTX	STX	AC,P5V	105
Dairyland	DS-9802	STX	CM,C5,Vi,In	102	Titan Pro	TP 53-03 2P	VT2P,B	AC,P2	103
Dekalb	DKC53-56RIB GC	STX,B	AC,P5V	103	Titan Pro	TP 56-06 3110	3110	CM,C2	106
Dekalb	DKC53-68RIB GC	STX,B	AC,P5V	103	Titan Pro	TP 58-01 2P	VT2P,B	AC,P2	101
Epley	E1612SS	STX	AC,P5V	106	Titan Pro	TP 67-02 SS	STX	AC,P2	102
Federal	5370SSTAX	STX	AC,P5V	103	Viking	40-03N	None	CM,C2	103
Federal	5440SSTAXRIB	STX,B	AC,P5V	104	withdrawn	withdrawn	STX,B	CM,C2,Vi	105
Federal	5550SSTAXRIB	STX,B	AC,P5V	105	Wyffels	W1968	STX	AC,P5V	101
FS InVISION	FS 52ZX1 RIB	STX,B	AC,P5V	102	Wyffels	W3076	VT2P	AC,P5V	102
FS InVISION	FS 53UX1	STX	AC,P5V	103	Wyffels	W3228RIB	STX,B	AC,P5V	103
FS InVISION	FS 54ZX1 RIB	STX,B	AC,P5V	104	Wyffels	W4796RIB	VT2P,B	AC,P2	106
Jacobsen Seed	JS7205VT2PRO	VT2P	AC,P5V	105					
Jacobsen Seed	JS7279VT2PRORIB	VT2P,B	AC,P5V	103					
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	LH5109SSRIB	STX,B	AC,P5V	101					
Latham	LH5215VT2ProRIB	VT2P,B	AC,P2	102					
Latham	LH5659SSRIB	STX,B	AC,P5V	106					
Legend	LR94A01-3011A	3011,A	CM,C2,Vi	101					
Legend	LR9503GENSSRIB	STX,B	CM,C2,Vi	103					
Legend	LR9701GENSSRIB	STX,B	CM,C2,Vi	101					
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					

2016 Corn Grain - Iowa Northwest [IANW]



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	2545RASS	STX,B	CM,C5,Vi,In	107
Augusta	A4658GT3110	3110	AC,P2	108	Pfister	68A1VX	HXT,RR2	CM,C5,Vi,In	108
Becks	5828AM^	AM,AQ,B	Es	110	Pfister	69B1VX	HXT,RR2	CM,C1,Vi,In	109
Becks	5883SX	STX	Es	108	Pfister	70A1SSR	STX	CM,C1,Vi,In	110
Becks	6076V2P	VT2P,B	Es	110	Pioneer	P0570AMXT CK	AMXT,B	MQ,C2,Lu	105
Champion	CSX57A16VT2ProRIB	VT2P,B	AC,P2	107	Pioneer	P0760AMXT GC	AMXT,AQ,B	MQ,C2,Lu	107
Champion	CSX57A17SSRIB	STX,B	CM,C2	107	Prairie Brand	5815RA	STX,B	CM,C5,Vi,In	108
Champion	CSX58A17Conv	None	AC,P2	108	Prairie Brand	5825RA	STX,B	CM,C5,Vi,In	108
Champion	CSX59A16SSRIB	STX,B	AC,P2V	109	Prairie Brand	6056SX	STX	CM,C5,Vi,In	110
Channel	207-27STXRIB	STX,B	AC,P5V	107	Renk	6-798VT2P	VT2P,B	AC,P2	109
Channel	209-53STXRIB	STX,B	AC,P5V	109	Renk	RK792SSTX	STX	AC,P5V	108
Channel	210-26STXRIB	STX,B	AC,P5V	110	Renk	RK794DGV2P	VT2P,DG,B	AC,P2	108
Cornelius	C574DP	VT2P	CM,C2	107	Renk	RK810SSTX	STX,B	AC,P5V	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-9508RA	STX,B	CM,C2	108	Titan Pro	TP 66-10 2P	VT2P,B	AC,P2	110
Dekalb	DKC58-06RIB GC	STX,B	AC,P5V	108	Viking	73-07N	None	CM,C2	107
Dekalb	DKC60-67RIB GC	STX,B	AC,P5V	110	Wyffels	W4968RIB	STX,B	AC,P5V	107
FS InVISION	FS 57TX1	STX	AC,P5V	107	Wyffels	W5448RIB	STX,B	AC,P5V	108
FS InVISION	FS 58QX1 RIB	STX,B	AC,P5V	108	Wyffels	W6198	STX	AC,P5V	109
FS InVISION	FS 60LX1	STX	AC,P5V	110	Wyffels	W7106RIB	VT2P,B	AC,P2	110
FS InVISION	FS 60QV1 RIB	VT2P,B	AC,P2	110					
Jacobsen Seed	JS7503VT2PRORIB	VT2P,B	AC,P5V	110					
Jacobsen Seed	JS9306SSRIB	STX,B	AC,P5V	106					
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					
Legend	LR9407GENSSRIB	STX,B	CM,C2,Vi	107					
Legend	LR9509GENSSRIB	STX,B	CM,C2,Vi	109					
Legend	LR9608GENSSRIB	STX,B	CM,C2,Vi	108					
Legend	LR9611GENSSRIB	STX,B	CM,C2,Vi	111					
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					

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.