

2017 Corn Grain Top 30 Harvest Report
 Iowa North Central [IANC] WATERLOO
 Rottinghaus Farms, Black Hawk County, IA 50703



PREV. CROP/HERB: Soybean / Fierce, Roundup, Fusilade DX
 SOIL DESCRIPTION: Marquis-Readlyn silty clay loam, mod. well drained, non-irrigated
 SOIL CONDITION: No-till, very high P, medium K, 6 pH, 2.7% OM, 14 CEC
 PEST MANAGEMENT: Corvus, Force 3G, Harness, atrazine, Quilt Xcel
 FERTILITY - Applied N: 140 Fall, 32 Spring, 5 Foliar
 Applied N-P-K (units): 177-104-120
 SEEDING - RATE - ROW: May 5 35,700 /A 30" spacing
 HARVESTED - STAND: Nov 1 34,100 /A

Early-Season Test
101 - 106 Day CRM
 B2017IANC06a

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
Titan Pro	TP 77-06 SS	STX	106	266.4	16.5	0	34.5	854	1
Latham	LH5245VT2Pro	VT2P	102	256.6	16.5	0	33.9	822	2
FS InVISION	FS 52ZX1 RIB	STX,B	102	255.7	16.8	0	35.2	817	3
Cornelius	C385DP	VT2P	103	253.4	16.5	0	33.2	812	4
Cornelius	C461SS	STX	107	253.2	16.7	0	35.2	810	5
Golden Harvest	G05B91-3010	3010	105	253.0	16.7	0	33.2	809	6
NuTech/G2 Gen	5F-504^	AM,B	104	252.8	16.9	0	33.9	807	8
Golden Harvest	G03C84-3120-EZR	3120,B	103	251.8	16.7	0	33.9	806	9
Renk	RK642SSTX	STX	103	250.4	16.9	0	34.5	800	10
Wyffels	W4196	VT2P	105	249.5	16.9	0	33.9	797	11
Kruger	K4R-9704	STX,B	104	248.6	16.9	0	35.2	794	12
Hefty	H5214SS	STX	102	248.5	16.9	0	35.2	793	13
NuTech/G2 Gen	5F-503^	AM,B	103	247.8	16.7	0	33.9	793	14
Jacobsen Seed	JS4249	None	104	246.1	17.0	0	33.9	785	15
Wyffels	W4796RIB	VT2P,B	106	245.6	16.8	0	33.9	785	16
Wyffels	W3078RIB	STX,B	106	243.6	17.2	0	33.9	776	17
Miller Hybrids	M06-27	None	106	243.5	17.1	0	33.9	776	18
Viking	63-05	None	105	243.1	17.0	0	33.9	775	20
Dyna-Gro	D42SS61	STX	102	242.4	16.6	0	33.9	776	19
LG Seeds	LG5505STX	STX	102	240.6	16.7	0	33.9	770	21
Pfister	66Y3PC	PC	106	239.6	16.7	8	33.9	766	22
Dekalb	DKC54-38RIB GC	STX,B	104	238.8	17.0	0	35.2	762	24
Cornelius	C318DP	VT2P	101	238.0	16.4	0	33.9	764	23
Prairie Brand	5148GT	GT	101	237.3	16.8	0	33.9	758	26
Renk	RK726SSTX	STX	106	237.0	16.6	0	33.9	759	25
Dekalb	DKC53-56RIB GC	STX,B	103	237.0	16.7	0	35.2	758	27
Latham	LH5635VT2Pro	VT2P	106	236.6	16.5	0	33.9	758	28
LG Seeds	LG5520STXRIB	STX,B	105	236.4	17.0	0	33.9	754	30
Kruger	K4R-9504	STX,B	104	236.2	16.4	0	33.9	758	29
Dairyland	DS-6106	RR2	106	236.0	17.0	5	35.2	753	31
Pioneer	P0589AM CK	AM,AQ,B	105	253.2	16.9	0	33.9	808	7

Corey Rozenboom

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

Averages =	233.3	16.8	1	34.1	746
LSD (0.10) =	10.6	0.5	5		
LSD (0.25) =	5.6	0.2	3		
C.V. =	4.3			Prev. years average yield, 196.9 bu/a, 8 yrs	

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

Test Comments: *Moisture was adequate from planting through much of July. The last half of the growing season was pretty dry. Largest rain events were 2.4" June 12-17, 2" June 21-22, 2.5" June 27-29, followed by 1.5" July 20-21. Rainfall totals, planting to maturity, was 5.5" below average. Late season showers allowed hybrids to set deep kernels on big well pollinated ears. Many ears were 18 rows round & long.*

† 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: 11/03/2017 Revised:

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 SOIL CONDITION: No-till, very high P, medium K, 6 pH, 2.7% OM, 14 CEC
 PEST MANAGEMENT: Corvus, Force 3G, Harness, atrazine, Quilt Xcel
 FERTILITY - Applied N: 140 Fall, 32 Spring, 5 Foliar
 Applied N-P-K (units): 177-104-120
 SEEDED - RATE - ROW: May 5 35,700 /A 30" spacing
 HARVESTED - STAND: Nov 1 34,000 /A

Full-Season Test
107 - 110 Day CRM
 B2017IANC06b

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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
Champion	CSX59A16SSRIB	STX,B	109	276.7	18.1	0	33.9	874	1
Latham	LH5885VT2ProRIB	VT2P,B	108	269.4	18.2	8	33.9	850	2
Renk	RK810SSTX	STX,B	110	269.3	18.6	3	35.2	846	3
Jacobsen Seed	JS4495	None	107	267.9	18.1	0	33.9	846	4
Dairyland	DS-9508RA	STX,B	108	267.8	18.7	0	33.9	841	6
Pioneer	P1197AM GC	AM,B	111	266.5	17.8	0	33.9	844	5
LG Seeds	LG5548STXRIB	STX,B	109	264.7	18.2	5	33.9	835	10
Viking	O.74-10GS	None	110	264.6	18.6	0	33.9	831	12
Channel	207-27STXRIB	STX,B	107	264.5	17.9	0	33.9	837	7
Pfister	2545RASS	STX,B	107	263.2	17.9	0	33.9	833	11
Miller Hybrids	RX215VT2P	VT2P	107	262.5	17.1	0	33.2	837	8
Cornelius	C564SS	STX	108	261.8	18.7	18	33.9	822	16
Cornelius	C573DP	VT2P	108	261.7	16.7	0	33.2	837	9
Dairyland	DS-6911	RR2	111	261.7	18.1	0	33.9	826	13
Epley	E1712SS	STX	107	259.7	17.3	0	33.9	826	14
Titan Pro	TP 66-10 2P	VT2P,B	110	259.6	17.8	0	33.2	822	17
Pfister	68A1RR	RR2	108	259.5	17.6	0	33.9	823	15
Champion	CSX57A16VT2PRORIB	VT2P,B	107	259.1	17.6	0	33.2	822	18
Dyna-Gro	D50VC30	VT2P	110	258.5	17.8	0	33.9	818	19
Rob-See-Co	Innotech IC5956^	3111	109	257.7	18.2	0	33.9	813	20
Champion	58A18VT2PRO	VT2P	108	257.2	18.0	0	33.9	813	21
Prairie Brand	5825RA	STX,B	108	257.0	18.5	0	33.9	808	25
NuTech	5VN-4707	3111	107	255.3	17.9	0	33.9	808	26
Dekalb	DKC59-50RIB GC	VT2P,B	109	254.3	17.3	1	33.9	809	23
Cornelius	C633DP	VT2P	110	254.0	17.6	0	34.5	806	27
Pfister	69D3VX	HXT,RR2	109	253.5	18.7	0	33.9	796	30
LG Seeds	LG5590VT2P	VT2P	110	252.8	18.7	0	35.2	794	31
Latham	EX5725VT2Pro	VT2P	107	252.3	16.5	0	33.9	809	24
Wyffels	W4968RIB	STX,B	107	252.0	17.1	0	34.5	803	28
Channel	209-15STXRIB	STX,B	109	250.9	17.3	0	33.9	798	29
Pioneer	P0589AM CK	AM,AQ,B	105	254.4	17.2	0	33.9	810	22

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Averages =	250.7	17.9	3	34.0	793
LSD (0.10) =	14.4	0.7	8		
LSD (0.25) =	7.6	0.4	4		
C.V. =	5.5	Prev. years average yield, 196.9 bu/a, 8 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 (72 Total)

Company/Brand	Product/Brand	Technol.	Seed Trt.	RM	Company/Brand	Product/Brand	Technol.	Seed Trt.	RM
Champion	56A18SSRIB	STX,B	AC,P5V	106	NuTech/G2 Gen	5F-504^	AM,B	MQ,P5V,R	104
Champion	CSX54A17VT2PRORIB	VT2P,B	AC,P2	104	NuTech/G2 Gen	5F-601^	AM,AQ,B	MQ,P5V,R	101
Champion	CSX56A13VT2PRORIB	VT2P,B	AC,P2	106	NuTech/G2 Gen	X5LN-0308^	OIXT,AQ	MQ,P1V,R	103
Champion	CSX56A17VT2PRORIB	VT2P,B	AC,P2	106	Pfister	61D2SSR	STX,B	CM,C5,Vi,In	101
Cornelius	C318DP	VT2P	AC,P5V	101	Pfister	62A1SSR	STX,B	CM,C5,Vi,In	102
Cornelius	C385DP	VT2P	AC,P5V	103	Pfister	63A3SS	STX	CM,C5,Vi,In	103
Cornelius	C452SS	STX	AC,P5V	105	Pfister	66Y3PC	PC	CM,C5,Vi,In	106
Cornelius	C461SS	STX	AC,P5V	107	Pioneer	P0589AM CK	AM,AQ,B	MQ,C2,Lu	105
Dairyland	DS-6106	RR2	CM,C5,Vi,In	106	Prairie Brand	5148GT	GT	CM,C5,Vi,In	101
Dairyland	DS-9804SSX	STX	CM,C5,Vi,In	104	Prairie Brand	5398SX	STX	CM,C5,Vi,In	103
Dekalb	DKC53-56RIB GC	STX,B	AC,P5V	103	Renk	RK642SSSTX	STX	AC,P5V	103
Dekalb	DKC54-38RIB GC	STX,B	AC,P5V	104	Renk	RK680SSSTX	STX,B	AC,P5V	103
Dyna-Gro	D42SS61	STX	AC,P5V	102	Renk	RK717SSSTX	STX,B	AC,P5V	105
Dyna-Gro	D45SS65	STX	AC,P5V	105	Renk	RK726SSSTX	STX	AC,P5V	106
Federal	5180SSTAX	STX	AC,P5V	101	Rob-See-Co	Innotech IC5525^	3010	AVC,C2,Vi	105
Federal	5280VT2P	VT2P	AC,P5V	102	Titan Pro	TP 53-03 2P	VT2P,B	AC,P5V	103
Federal	5550SSTAXRIB	STX,B	AC,P5V	105	Titan Pro	TP 58-01 2P	VT2P,B	AC,P5V	101
FS InVISION	FS 52RL0 EZR	3120,B	AVC,C2,Vi	102	Titan Pro	TP 61-01 3122A	3122,A,B	CM,C2	101
FS InVISION	FS 52ZX1 RIB	STX,B	AC,P5V	102	Titan Pro	TP 77-06 SS	STX	AC,P5V	106
FS InVISION	FS 54ZX1 RIB	STX,B	AC,P5V	104	Viking	40-03UP	None	CM,C2	103
FS InVISION	FS 55TX1 RIB	STX,B	AC,P5V	105	Viking	42-05	None	CM,C2	105
Golden Harvest	G03C84-3120-EZR	3120,B	AVC,C2,Vi	103	Viking	53-01 Art	None,A	CM,C2	101
Golden Harvest	G05B91-3010	3010	AVC,C2,Vi	105	Viking	63-05	None	CM,C2	105
Golden Harvest	G06Z97-3120-EZR	3120,B	AVC,C2,Vi	106	Wyffels	W2618RIB	STX,B	AC,P5V	104
Hefty	H5114SS	STX	AC,P5V,In	101	Wyffels	W3078RIB	STX,B	AC,P5V	106
Hefty	H5214SS	STX	AC,P5V,In	102	Wyffels	W4196	VT2P	AC,P5V	105
Hefty	H5302VT2PRIB	VT2P,B	AC,P2,In	103	Wyffels	W4796RIB	VT2P,B	AC,P2	106
Hefty	H5504SSRIB	STX,B	AC,P5V,In	105					
Jacobsen Seed	JS4249	None	MQ,P2	104					
Jacobsen Seed	JS4306	None	MQ,P2	106					
Kruger	K4R-9504	STX,B	AC,P5V	104					
Kruger	K4R-9603	STX,B	AC,P5V	103					
Kruger	K4R-9704	STX,B	AC,P5V	104					
Kruger	K4R-9802	STX,B	AC,P5V	102					
Latham	LH5245VT2Pro	VT2P	AC,P5V	102					
Latham	LH5339SSRIB	STX,B	AC,P5V	103					
Latham	LH5509SSRIB	STX,B	AC,P5V	105					
Latham	LH5635VT2Pro	VT2P	AC,P5V	106					
LG Seeds	LG5499STXRIB	STX,B	AC,P5V	100					
LG Seeds	LG5505STX	STX	AC,P5V	102					
LG Seeds	LG5520STXRIB	STX,B	AC,P5V	105					
LG Seeds	LG5530VT2P	VT2P	AC,P5V	105					
Miller Hybrids	M03-66BRG	3000GT	SC	103					
Miller Hybrids	M06-27	None	SC	106					
NuTech/G2 Gen	5F-503^	AM,B	MQ,P5V,R	103					

2017 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
Champion	58A18VT2PRO	VT2P	AC,P2	108	Pfister	69D3VX	HXT,RR2	CM,C5,Vi,In	109
Champion	CSX57A16VT2PRORIB	VT2P,B	AC,P2	107	Pfister	70A1SSR	STX,B	CM,C5,Vi,In	110
Champion	CSX58A17Conv	None	AC,P2	108	Pioneer	P0589AM CK	AM,AQ,B	MQ,C2,Lu	105
Champion	CSX59A16SSRIB	STX,B	AC,P5V	109	Pioneer	P1197AM GC	AM,B	MQ,C2	111
Channel	207-27STXRIB	STX,B	AC,P5V	107	Prairie Brand	5825RA	STX,B	CM,C5,Vi,In	108
Channel	209-15STXRIB	STX,B	AC,P5V	109	Renk	RK776SSTX	STX,B	AC,P5V	107
Channel	210-26STXRIB	STX,B	AC,P5V	110	Renk	RK792SSTX	STX,B	AC,P5V	108
Cornelius	C564SS	STX	AC,P5V	108	Renk	RK794DGV2P	VT2P,DG,B	AC,P2	108
Cornelius	C573DP	VT2P	AC,P5V	108	Renk	RK810SSTX	STX,B	AC,P5V	110
Cornelius	C633DP	VT2P	AC,P5V	110	Rob-See-Co	Innotech IC5956^	3111	AVC,C5,Vi	109
Dairyland	DS-6911	RR2	CM,C2	111	Titan Pro	TP 58-10 SS	STX,B	AC,P5V	110
Dairyland	DS-9508RA	STX,B	CM,C5,Vi,In	108	Titan Pro	TP 59-08 SS	STX,B	AC,P5V	108
Dekalb	DKC58-06RIB GC	STX,B	AC,P5V	108	Titan Pro	TP 66-10 2P	VT2P,B	AC,P5V	110
Dekalb	DKC59-50RIB GC	VT2P,B	AC,P5V	109	Viking	13-07	None	CM,C2	107
Dyna-Gro	D50VC30	VT2P	AC,P5V	110	Viking	42-08	None	CM,C2	108
Epley	E1712SS	STX	AC,P5V	107	Viking	49-09N	None	CM,C2	109
FS InVISION	FS 57TX1 RIB	STX,B	AC,P5V	107	Viking	O.74-10GS	None	CM,C2	110
FS InVISION	FS 59VL1 EZR	3220,B	CM,C2,Vi	109	Wyffels	W4968RIB	STX,B	AC,P5V	107
FS InVISION	FS 60LX1 RIB	STX,B	AC,P5V	110	Wyffels	W5448RIB	STX,B	AC,P5V	108
FS InVISION	FS 60QV1 RIB	VT2P,B	AC,P2	110	Wyffels	W6198RIB	STX,B	AC,P5V	109
Golden Harvest	G09A86-3111	3111	AVC,C5,Vi	109	Wyffels	W6896	VT2P	AC,P5V	110
Jacobsen Seed	JS4456	None	MQ,P2	107					
Jacobsen Seed	JS4495	None	AC,P5V	107					
Kruger	K4R-9608	STX,B	AC,P5V	108					
Latham	EX5725VT2Pro	VT2P	AC,P5V	107					
Latham	LH5805VT2ProDGRIB	VT2P,DG,B	AC,P2	108					
Latham	LH5885VT2ProRIB	VT2P,B	AC,P2	108					
Latham	LH5965VT2ProRIB	VT2P,B	AC,P2	109					
Legend	LR9509GENSSRIB	STX,B	CM,C2,Vi	109					
Legend	LR9608GENSSRIB	STX,B	CM,C2,Vi	108					
Legend	LR9611GENSSRIB	STX,B	CM,C2,Vi	111					
Legend	LR9811GENSSRIB	STX	CM,C2,Vi	111					
LG Seeds	LG5548STXRIB	STX,B	AC,P5V	109					
LG Seeds	LG5590VT2P	VT2P	AC,P5V	110					
LG Seeds	LG5606STX	STX	AC,P5V	111					
Miller Hybrids	RX215VT2P	VT2P	AC,P2	107					
NK Brand	NK0760-3111	3111	AVC,C2,Vi	107					
NuTech	5N-410	3000GT	MQ,P5V,R	110					
NuTech	5VN-4707	3111	MQ,P1V,R	107					
NuTech/G2 Gen	5F-308^	AM,B	MQ,P5V,R	108					
NuTech/G2 Gen	5F-709^	AM,AQ,B	MQ,P5V,R	109					
NuTech/G2 Gen	5FB-1010^	AM,B	MQ,P5V,R	110					
NuTech/G2 Gen	X5FN-0909^	OI	MQ,P1V,R	109					
Pfister	2545RASS	STX,B	CM,C5,Vi,In	107					
Pfister	68A1RR	RR2	CM,C2	108					

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. VPM [®] 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 [®] , VPM [®] 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)	GT	Agrisure [®] GT
3010	Agrisure [®] 3010 (CB,LL,GT)	HX	Herculex [®] 1, contains LL
3011,A	Agrisure [®] Artesian [®] (CB,RW,LL,GT)	HXRW	Herculex [®] Rootworm, contains LL
3110	Agrisure [®] Viptera [®] 3110 (Vip, CB,LL,GT)	HXT	Herculex [®] Xtra (HX,HXRW,LL)
3111	Agrisure [®] Viptera [®] 3111 (Vip,CB,RW,LL,GT)	LL	LibertyLink [®]
3120	Agrisure [®] 3120 (CB,HX,LL,GT)	None	conventional corn
3122	Agrisure [®] 3122 (CB,HXX,RW,LL,GT)	OI	Optimum [®] Intrasect [®] , YHR (YGCB,HX,LL,RR2)
3220	Agrisure [®] Viptera [®] 3220 (Vip,CB,HX,LL,GT)	OIX	Optimum [®] Intrasect [®] Xtra, YXR (YGCB,HXT,LL,RR2)
A	Agrisure [®] Artesian [®]	OIXT	Optimum [®] Intrasect [®] Xtreme (YGCB,HXT,RW,LL,RR2)
AM	Optimum [®] AcreMax [®] (YGCB,HX,LL,RR2)	PC	PowerCore [™] (HX, VT2P)
AMT	Optimum [®] AcreMax [®] TRIsect (HX,RW,LL,RR2)	RR2	Roundup Ready [®] 2 Corn
AMX	Optimum [®] AcreMax [®] Xtra (YGCB,HXT,LL,RR2)	RW	Agrisure [®] Rootworm
AMXT	Optimum [®] AcreMax [®] Xtreme (YGCB,HXT,RW,LL,RR2)	STX	SmartStax [®] (VT3P,HXT,RR2,LL)
AQ	Optimum [®] AQUAMax [®]	VT2P	Genuity [®] VT Double PRO [®]
B	Refuge Blend	VT3P	Genuity [®] VT Triple PRO [®]
CB	Agrisure [®] Corn Borer	YGCB	YieldGard [®] Corn Borer
DG	Genuity [®] DroughtGard [®]		

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

Corn Seed Treatments**

?	information unavailable	In	Intego [™] Solo
A	Allegiance [®]	L	Lorsban [®]
AC	Acceleron [®] fungicide products	Lu	Lumivia [™]
AL2500	Alert 2500 [™]	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	SC	SHIELDCoat [™]
D	Dynasty [®]	V	Votivo [®]
Es	Escalate [®]	Vi	Vibrance [®]

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