

2017 Corn Grain Top 30 Harvest Report

Iowa North [IANO] OSAGE

Dale Hemann, Mitchell County, IA 50461



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

PREV. CROP/HERB: Soybean / Roundup, Tailwind, Flexstar, Fusilade DX
 SOIL DESCRIPTION: Dinsdale silty clay loam, mod. well drained, non-irrigated
 SOIL CONDITION: Minimum w/o fall till, very high P, high K, 7.2 pH, 3.6% OM, 20.3 CEC
 PEST MANAGEMENT: Force 3G, Resicore, atrazine, Trivapro, Warrior
 FERTILITY - Applied N: 150 Sidedress
 Applied N-P-K (units): 150-35-50
 SEEDING - RATE - ROW: May 5 35,700 /A 30" spacing
 HARVESTED - STAND: Oct 31 33,800 /A

Ultra Early-Season Test

95 - 100 Day CRM

B2017IANO06u

Top 30 of 60

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
Dyna-Gro	D39DC43	VT2P,DG	99	272.3	18.8	27	33.9	854	1
Wyffels	W2198RIB	STX,B	100	265.9	18.6	0	33.9	835	2
Legend	LR9701GENSSRIB	STX,B	101	263.6	18.7	0	34.5	827	3
Federal	4580VT2P	VT2P	95	258.3	18.3	1	33.9	814	4
LG Seeds	LG5465VT2P	VT2P	97	257.9	18.4	24	33.9	812	5
Viking	44-98	None	98	257.9	18.7	0	33.9	810	6
Latham	LH5099SSRIB	STX,B	100	256.5	19.0	3	33.9	803	9
Viking	57-01N	None	101	255.6	18.5	0	35.2	804	8
Latham	LH4657VT2Pro	VT2P	96	255.4	18.2	0	33.9	806	7
FS InVISION	FS 50VX1 RIB	STX,B	100	253.8	18.8	0	33.9	796	10
Pfister	60B1SSR	STX,B	100	253.5	18.7	0	33.9	796	11
Golden Harvest	G99T64-GT	GT	99	252.8	18.4	0	33.9	796	12
Wyffels	W2086RIB	VT2P,B	98	252.6	18.6	12	33.9	794	13
Hefty	H4912VT2P	VT2P	99	252.1	18.5	0	33.9	793	14
Pfister	1785GT3	3000GT	98	252.1	18.8	1	33.9	791	15
Latham	LH5025VT2ProDG	VT2P,DG	100	252.0	18.8	0	33.9	790	16
Dekalb	DKC46-36RIB GC	STX,B	96	251.8	18.7	1	33.9	790	17
NuTech	5N-800	3011,A	100	250.5	19.0	0	34.5	784	20
Hefty	H4504SSRIB	STX,B	95	250.3	18.2	0	33.9	789	18
Federal	4770VT2PRIB	VT2P,B	97	250.3	18.5	3	33.9	787	19
NorthStar	NS100-464GENSSRIB	STX,B	100	249.5	19.1	0	33.9	780	24
Federal	4880VT2P	VT2P	98	249.1	18.4	1	33.9	784	21
Golden Harvest	G96V99-3120-EZR	3120,B	96	248.4	18.2	0	33.9	783	22
Wyffels	W1796	VT2P	97	247.9	18.7	1	33.9	778	25
NuTech/G2 Gen	5F-196^	AM,B	96	247.8	18.0	1	33.2	783	23
Renk	RK612SSTX	STX,B	100	247.5	18.9	0	33.9	775	27
Pioneer	P9526AMXT GC	AMXT,AQ,B	95	246.7	18.5	0	33.9	776	26
NuTech/G2 Gen	5FN-7099^	OI	99	245.8	18.6	1	32.5	772	29
Viking	89-99N Art	None,A	99	244.9	18.3	0	33.9	772	30
NorthStar	NS96-103GENSSRIB	STX,B	96	244.2	17.5	0	34.5	775	28

Corey Rozenboom

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

Averages = **243.4** **18.7** **5** **33.8** **764**

LSD (0.10) = 11.4 0.7 12

LSD (0.25) = 6.0 0.4 6

C.V. = 4.5 Prev. years average yield, 204.6 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: Early season moisture was adequate to get this site off to a great start. A dry period from late May to mid-June was relieved by a few small showers, below 1", in late June. July was dry but pollination was excellent. Ear tip die-back was not observed. Cool August temps slowed crop development but provided rain to fill deep kernels and increase test weight. Rainfall totals were 4.4" below 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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Report Date: 11/02/2017 Revised:

2017 Corn Grain - Iowa North [IANO]



Ultra Early-Season Test Products (60 Total)

Company/Brand	Product/Brand	Technol.	Seed Trt.	RM	Company/Brand	Product/Brand	Technol.	Seed Trt.	RM
Channel	197-68STXRIB	STX,B	AC,P5V	97	Pioneer	P9929AMXT GC	AMXT,B	MQ,C2,R,Lu	99
Cornelius	C262SS	STX	AC,P5V	97	Renk	RK595SSTX	STX,B	AC,P5V	99
Cornelius	C271DP	VT2P	AC,P5V	97	Renk	RK608DGV2P	VT2P,DG,B	AC,P2	100
Cornelius	C295DP	VT2P	CM,C2	98	Renk	RK612SSTX	STX,B	AC,P5V	100
Dekalb	DKC46-36RIB GC	STX,B	AC,P5V	96	Titan Pro	TP 65-00 2P	VT2P,DG	AC,P2	100
Dekalb	DKC49-72RIB GC	STX,B	AC,P5V	99	Titan Pro	TP 71-98 2P	VT2P	AC,P2	98
Dyna-Gro	D39DC43	VT2P,DG	AC,P5V	99	Titan Pro	TP 78-98 SS	STX	AC,P5V	98
Epley	E1020	None	MQ	100	Viking	44-98	None	AC,P2	98
Federal	4580VT2P	VT2P	AC,P5V	95	Viking	51-95N	None	CM,C2	95
Federal	4770VT2PRIB	VT2P,B	AC,P2	97	Viking	57-01N	None	CM,C2	101
Federal	4880VT2P	VT2P	AC,P5V	98	Viking	89-99N Art	None,A	CM,C2	99
FS InVISION	FS 49ZX1 RIB	STX,B	AC,P5V	99	Wyffels	W1796	VT2P	AC,P5V	97
FS InVISION	FS 50VX1 RIB	STX,B	AC,P5V	100	Wyffels	W1886	VT2P	AC,P5V	97
Golden Harvest	G96V99-3120-EZR	3120,B	AVC,C2,Vi	96	Wyffels	W2086RIB	VT2P,B	AC,P2	98
Golden Harvest	G99T64-GT	GT	AVC,C2,Vi	99	Wyffels	W2198RIB	STX,B	AC,P5V	100
Hefty	H4504SSRIB	STX,B	AC,P5V,In	95					
Hefty	H4812VT2P	VT2P	AC,P2,In	98					
Hefty	H4912VT2P	VT2P	AC,P2,In	99					
Hefty	HCEXP9812	VT2P	AC,P2,In	98					
Kruger	K4R-9497	STX,B	AC,P5V	97					
Kruger	K4R-9900	STX,B	AC,P5V	100					
Latham	LH4657VT2Pro	VT2P	AC,P5V	96					
Latham	LH4727VT2ProRIB	VT2P,B	AC,P2	97					
Latham	LH4919SS	STX	AC,P5V	99					
Latham	LH5025VT2ProDG	VT2P,DG	AC,P5	100					
Latham	LH5095VT2ProRIB	VT2P,B	AC,P2	100					
Latham	LH5099SSRIB	STX,B	AC,P5V	100					
Legend	EXP9897VT2PRIB	VT2P,B	CM,C2,Vi	97					
Legend	LR9701GENSSRIB	STX,B	CM,C2,Vi	101					
LG Seeds	LG5465VT2P	VT2P	AC,P5V	97					
LG Seeds	LG5494VT2P	VT2P	AC,P5V	99					
Miller Hybrids	RX98-01VT2P	VT2P	AC,P2	99					
NorthStar	NS100-464GENSSRIB	STX,B	AC,P5V	100					
NorthStar	NS100-531GENSSRIB	STX,B	AC,P5V	100					
NorthStar	NS96-103GENSSRIB	STX,B	AC,P5V	96					
NuTech	5N-800	3011,A	MQ,P5V,R	100					
NuTech/G2 Gen	5F-196^	AM,B	MQ,P5V,R	96					
NuTech/G2 Gen	5FN-5096^	OI	MQ,P1V,R	96					
NuTech/G2 Gen	5FN-6097^	OI	MQ,P1V,R	97					
NuTech/G2 Gen	5FN-7099^	OI	MQ,P1V,R	99					
Pfister	1740RASS	STX,B	CM,C5,Vi,In	98					
Pfister	1785GT3	3000GT	CM,C5,Vi,In	98					
Pfister	60B1SSR	STX,B	CM,C5,Vi,In	100					
Pioneer	P9526AMXT GC	AMXT,AQ,B	MQ,C2	95					
Pioneer	P9681AMX GC	AMX,B	MQ,C2	96					

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.