

2018 Corn Grain Top 30 Harvest Report

Iowa North [IANO] EMMETSBURG
Tom Kuecker, Palo Alto County, IA 50528



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

PREV. CROP/HERB: Soybean / Warrant Ultra, Authority First, Fusilade
SOIL DESCRIPTION: Canisteo clay loam, moderately drained, non-irrigated
SOIL CONDITION: Conventional w/o fall till, very high P, high K, 5.7 pH, 4.3% OM, 22.4 CEC
PEST MANAGEMENT: Verdict, Armezon Pro, Force 3G, Trivapro, Warrior
FERTILITY - Applied N: 120 Fall, 65 Spring
Applied N-P-K (units): 185-120-160
SEEDING - RATE - ROW: May 7 38,000 /A 30" spacing
HARVESTED - STAND: Oct 2 36,400 /A

Ultra Early-Season Test

95 - 100 Day CRM

B2018IANO02u

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
Test Pro	TR4540G2P	VTOPDGLB	98	252.9	18.7	1	36.8	756	2
Elyse	EM25	New	96	252.1	17.8	1	36.5	758	1
Krugr	KAR 8256	STL B	100	248.8	20.8	1	37.2	760	8
Legend	LR455V2PMS	VTOPB	96	247.7	19.2	1	36.2	774	4
Wing	W6 W	New	96	247.6	19.0	1	37.2	761	3
Wing	W7 21	New	101	246.8	19.0	1	36.5	769	6
Legend	LR455V2PMS	STL B	98	245.1	19.0	1	36.5	771	5
Test Pro	TR 36	New	96	243.2	19.2	1	36.8	767	7
Ross	RS45V2P	VTOPB	97	242.4	18.4	1	37.9	763	9
Ross	RS45V2P	VTOPDGLB	97	241.1	19.0	1	36.5	765	11
NorthStar	NS 34 42V2PMS	VTOPB	94	240.5	19.4	1	36.8	757	10
Lathan	LR455V2PMS	VTOPDGLB	100	239.9	19.0	1	37.8	764	17
Lathan	LR455V2PMS	VTOP	97	239.7	19.2	1	36.5	764	12
Krugr	KAR 8256	New	96	239.1	19.3	2	37.8	753	14
HyFlex	HYF36	New	101	238.9	20.1	1	37.2	760	21
Lathan	LR455V2PMS	VTOP	97	238.7	17.6	2	36.8	764	13
Cornelius	C2P2P	VTOP	97	237.3	19.5	2	35.9	766	16
Holly	HR45V2PMS	VTOP	97	237.2	17.9	9	36.8	760	15
Cornelius	C2P2P	VTOP	98	237.1	19.7	1	37.8	737	23
LG Seeds	LG455V2PMS	VTOP	97	236.4	19.5	1	37.2	763	18
HyFlex	HYF36	New	96	236.2	19.6	1	37.8	762	20
NuTech/2 Gen	NT4 208	VTOP	96	235.8	19.2	1	36.5	763	19
HyFlex	HYF36MS	VTOPB	96	234.3	19.6	1	37.2	756	24
NuTech/2 Gen	NT4 208	OK	96	233.8	19.1	1	36.8	751	26
Cornelius	C2P2P	VTOP	97	233.4	17.9	1	37.8	738	22
Channel	CH 11V2PMS	VTOPB	99	233.4	19.8	1	35.9	732	25
Ross	RS45V2P	VTOPDGLB	98	231.6	19.3	1	37.8	739	27
Legend	LR455V2PMS	VTOPB	97	231.5	19.7	1	37.2	727	30
HyFlex	HYF36MS	VTOPB	96	231.1	19.4	1	36.5	728	28
Golden Harvest	GH45 21 12	STL	97	231.0	19.3	1	37.8	739	29

DATA REJECTED

Corey Rozenboom

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

Averages =	227.7	18.9	2	36.4	714
LSD (0.10) =	ns	0.8	2		
LSD (0.25) =	ns	0.4	1		
C.V. =	10.1	Prev. years average yield, 274.6 bu/a, 1 yr			

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

Test Comments: This site has heavy soils, great fertility, drains well and a high yield track record. Tremendous rainfall amounts, 30.7", fell from planting to harvest, 11" over the area 30-yr average. This rainfall challenged area field drainage and revealed slow drying pockets. Tom, our plot host, said he hadn't seen yield variation like this in his fields. Data rejected due to high same product rep to rep yield variation.

† 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: 10/04/2018 Revised:

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Ultra Early-Season Test Products (72 Total)

Company/Brand	Product/Brand	Technol.	Seed Trt.	RM	Company/Brand	Product/Brand	Technol.	Seed Trt.	RM
Champion	50A19VT2ProRIB GC	VT2P	AC,P2	100	NuTech	E5GN-A395	3110	AVC,Vi	95
Channel	197-90VT2PRIB	VT2P,B	AC,P2	97	NuTech/G2 Gen	5F-196	AM,B	MQ,P5V,R	96
Channel	199-11VT2PRIB	VT2P,B	AC,P2	99	NuTech/G2 Gen	5FB-5096	AM,B	CM,C2,R,Lu	96
Cornelius	C271DP	VT2P	CM,C2	97	NuTech/G2 Gen	5FB-7099	AM,B	CM,C2,R,Lu	99
Cornelius	C295DP	VT2P	CM,C2	98	NuTech/G2 Gen	5FN-2596	OI	MQ,P5V,R	96
Cornelius	C336DP	VT2P	AC,P5V	100	Pfister	1785VA	3220	CM,C5,Vi,In	99
De Dell Seeds	DL 4902	None	MQ	99	Pfister	60B1SSR	STX,B	CM,C5,Vi,In	100
Dekalb	DKC46-36RIB GC	STX,B	AC,P5V	96	Pfister	60C2PC	PC	CM,C5,Vi,In	100
Dekalb	DKC49-72RIB GC	STX,B	AC,P5V	99	Pioneer	P9621AMXT GC	AMXT,B	MQ,C2,R,Lu	96
Dekalb	DKC50-08RIB GC	STX,B	AC,P5V	100	Pioneer	P9870AM GC	AM,B	MQ,C2,R,Lu	98
Epley	E1020	None	MQ	100	Pioneer	P9998AMXT GC	AMXT,AQ,B	MQ,C2,R,Lu	99
Epley	E9520	None	MQ	95	Renk	RK579DGV2P	VT2P,DG	AC,P2	98
Epley	E9840	None	MQ	98	Renk	RK587VT2P	VT2P,B	AC,P2	97
FS InVISION	FS 45SV1 RIB	VT2P,B	AC,P2	95	Renk	RK608DGV2P	VT2P,DG,B	AC,P2	100
FS InVISION	FS 46RL0 EZR	3120,B	CM,C2	96	Titan Pro	85-96	None	AC,P2	96
FS InVISION	FS 47TV1 RIB	VT2P,B	AC,P2	97	Titan Pro	TP 65-00 DG2P	VT2P,DG,B	AC,P2	100
FS InVISION	FS 50A00	None	AC,P2	100	Titan Pro	TP 70-98	None	CM,C2,Vi	98
Golden Harvest	G00H12-3010	3010	AVC,C2,Vi	100	Titan Pro	TP 71-98 2P	VT2P,B	AC,P2	98
Golden Harvest	G96V99-3120-EZR	3120,B	AVC,C2,Vi	96	Titan Pro	TP 78-98 SS	STX,B	AC,P5V	98
Golden Harvest	G97N86-3110	3110	AVC,C2,Vi	97	Viking	44-98	None	CM,C2	98
Golden Harvest	G98B71-3010	3010	AVC,C2,Vi	98	Viking	46-96	None	AC,P5V	96
Hefty	H4612VT2PRIB	VT2P,B	HC	96	Viking	57-01	None	CM,C2	101
Hefty	H4724SS	STX	HC	97	Viking	99-00	None	CM,C2	100
Hefty	H4812VT2PRIB	VT2P,B	HC	98	Wyffels	W1636	VT2P	AC,P5V	96
Hefty	H4922VT2P	VT2P	HC	99	Wyffels	W2086RIB	VT2P,B	AC,P5V	98
Hefty	H5003VT2PDGRIB	VT2P,DG,B	HC	100	Wyffels	W2196RIB	VT2P,B	AC,P2	99
Hefty	H5024SS	STX	HC	100	Wyffels	W2506	VT2P	AC,P2	101
Kruger	K4R-9296	STX,B	AC,P5V	96					
Kruger	K4R-9900	STX,B	AC,P5V	100					
Kruger	K9701DP	VT2P,B	AC,P2	97					
Latham	LH4795VT2Pro	VT2P	AC,P5V	97					
Latham	LH4835VT2Pro	VT2P	CE,C2	98					
Latham	LH4937VT2Pro	VT2P	AC,P5V	99					
Latham	LH5025VT2ProDGRIB	VT2P,DG,B	AC,P2	100					
Legend	LR9600GENSSRIB	STX,B	CM,C2,Vi	100					
Legend	LR9798GENSSPRIB	STX,B	CM,C2,Vi	98					
Legend	LR9895VT2PRIB	VT2P,B	CM,C2,Vi	95					
Legend	LR9897VT2PRIB	VT2P,B	CM,C2,Vi	97					
LG Seeds	LG5465VT2RIB	VT2P,B	AC,P5V	97					
LG Seeds	LG5494VT2RIB	VT2P,B	AC,P5V	99					
NK Brand	NK9505-3110	3110	AVC,C2,Vi	95					
NK Brand	NK9738-3110	3110	AVC,C2,Vi	97					
NorthStar	NS 100-464GENSSRIB	STX,B	AC,P5V	100					
NorthStar	NS 94-162VT2PRIB	VT2P,B	AC,P2	94					
NuTech	5N-800	3011,A	MQ,P5V,R	100					

Footnotes and Abbreviation Descriptions

Brand Footnotes

^	Innotech™ brand seed is distributed by Rob-See-Co, LLC. Phoenix® brand seed is distributed by Advanta Seeds. Power Plus® brand seed is distributed by Burrus. Innotech™ and Phoenix® are trademarks of Syngenta. Power Plus® is a registered trademark of Corteva Agriscience.
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)	E	Enlist™ (2,4-D, glyphosate, fop herbicide tolerance)
3010	Agrisure® 3010 (CB,LL,GT)	GT	Agrisure® GT
3011,A	Agrisure® Artesian® (CB,RW,LL,GT)	HX	Herculex® 1, contains LL
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)
3120	Agrisure® 3120 (CB,HX,LL,GT)	LL	LibertyLink®
3122	Agrisure® 3122 (CB,HXX,RW,LL,GT)	None	conventional corn
3220	Agrisure® Viptera® 3220 (Vip,CB,HX,LL,GT)	OI	Optimum® Intrasect®, YHR (YGCB,HX,LL,RR2)
A	Agrisure® Artesian®	OIX	Optimum® Intrasect® Xtra, YXR (YGCB,HXT,LL,RR2)
AM	Optimum® AcreMax® (YGCB,HX,LL,RR2)	OIXT	Optimum® Intrasect® Xtreme (YGCB,HXT,RW,LL,RR2)
AMT	Optimum® AcreMax® TRIsect (HX,RW,LL,RR2)	PC	PowerCore™ (HX, VT2P)
AMX	Optimum® AcreMax® Xtra (YGCB,HXT,LL,RR2)	RR2	Roundup Ready® 2 Corn
AMXT	Optimum® AcreMax® Xtreme (YGCB,HXT,RW,LL,RR2)	RW	Agrisure® Rootworm
AQ	Optimum® AQUAMax®	STX	SmartStax® (VT3P,HXT,RR2,LL)
B	Refuge blend product	VT2P	Genuity® VT Double PRO®
CB	Agrisure® Corn Borer	VT3P	Genuity® VT Triple PRO®
DG	Genuity® DroughtGard®	YGCB	YieldGard® Corn Borer

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

Corn Seed Treatments**

?	information not provided	Lu	Lumivia™
A	Allegiance®	M	Maxim XL®
AC	Acceleron® fungicide products	MQ	Maxim Quattro®
AL2500	Alert 2500	None	untreated
At	Actellic®	P2, P5, P1	Poncho® at 0.25, 0.5 and 1.25 mg ai/seed, respectively
AVC	Avicta® Complete Corn	R	Raxil®
C2, C5, C1	Cruiser® at 0.25, 0.5 and 1.25 mg ai/seed, respectively	Sa	Sativa™
CE	Cruiser Extreme®	Se	Sebring™
CM	CruiserMaxx® Corn	Sn	Senator™
D	Dynasty®	Sp	Spirato™
Es	Escalate®	SC	SHIELDCoat™
HC	Hefty Complete	V	Votivo®
In	Intego™ Solo	Vi	Vibrance®
L	Lorsban®		

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