

2018 Corn Grain Top 30 Harvest Report
 Iowa North Central [IANC] WATERLOO
 Rottinghaus Farms, Black Hawk County, IA 50703



PREV. CROP/HERB: Soybean / Fierce, 2,4-D, Roundup
 SOIL DESCRIPTION: Marquis loam, well drained, non-irrigated
 SOIL CONDITION: Strip-till, very high P, high K, 6 pH, 3.2% OM, 17.1 CEC
 PEST MANAGEMENT: Force 3G, Resicore, atrazine
 FERTILITY - Applied N: 30 Spring, 140 Side, 27 Foliar
 Applied N-P-K (units): 197-78-150
 SEEDING - RATE - ROW: May 7 35,700 /A 30" spacing
 HARVESTED - STAND: Sep 27 33,400 /A

Early-Season Test
101 - 106 Day CRM
 B2018IANC06a

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
Pfister	66Y3PE	PC,E	106	258.6	19.1	6	35.2	809	1
Hefty	H5522VT2P	VT2P	105	252.7	17.5	4	31.9	802	2
Cornelius	C478DP	VT2P	106	252.7	18.9	4	35.2	792	6
Pioneer	P0306AM GC	AM,AQ,B	103	251.5	17.7	4	34.5	797	4
Champion	52A18VT2ProRIB	VT2P,B	102	250.6	17.2	4	32.5	798	3
Cornelius	C385DP	VT2P	103	248.5	17.0	4	33.9	793	5
Wyffels	W4196RIB	VT2P,B	105	246.4	19.4	4	31.9	768	8
Kruger	K4R-9706	STX,B	106	244.9	21.5	4	31.2	748	13
Viking	42-05	None	105	243.5	19.9	4	34.5	756	9
Renk	RK604SSTX	STX	102	241.5	17.1	4	33.2	770	7
Viking	63-05	None	104	241.3	20.1	4	34.5	747	14
Titan Pro	TP 70-06	None	106	239.6	20.2	4	33.2	741	19
Champion	56A18VT2ProRIB	VT2P,B	106	239.5	18.7	4	31.9	752	11
NK Brand	NK0624-3220-EZR	3220,B	106	237.9	20.0	4	34.5	737	23
Hefty	H5212VT2PRIB	VT2P,B	102	237.5	17.2	4	33.9	756	10
Titan Pro	82-04 2P	VT2P,B	104	237.4	17.7	4	34.5	752	12
LG Seeds	LG5525VT2RIB	VT2P,B	105	237.3	18.7	4	33.2	745	16
NuTech/G2 Gen	5F-504	AM,B	104	237.0	19.2	4	32.5	740	20
Golden Harvest	G06Q68-3220-EZR	3220,B	106	235.9	20.0	4	33.9	731	30
FS InVISION	FS 55TX1 RIB	STX,B	105	235.6	18.9	4	32.5	738	21
Latham	LH5245VT2ProRIB	VT2P,B	102	235.5	17.6	4	33.9	747	15
NuTech/G2 Gen	E5FN-A604	OI	104	235.3	19.6	4	35.2	732	27
Renk	RK737SSTX	STX	106	234.6	17.8	4	33.9	743	17
Kruger	K4R-9802	STX,B	102	234.4	17.7	4	33.9	743	18
Latham	LH5635VT2ProRIB	VT2P,B	106	233.6	18.3	4	32.5	736	26
Pfister	64F1PE	PC,E	104	233.3	18.0	4	33.9	737	24
Titan Pro	TP 40-03	None	103	232.6	17.7	4	31.2	737	25
NuTech/G2 Gen	5F-601	AM,AQ,B	101	232.2	18.2	4	35.2	732	28
Golden Harvest	G05K08-3010A	3010,A	105	231.9	17.3	4	35.8	738	22
Viking	51-04	None	104	230.2	17.3	11	31.9	732	29
Pioneer	P0589AMXT CK	AMXT,AQ,B	105	226.1	19.2	4	35.8	706	42

Corey Rozenboom

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

Averages =	230.2	18.4	4	33.4	725
LSD (0.10) =	13.3	0.7	ns		
LSD (0.25) =	7.0	0.4	ns		
C.V. =	5.5	Prev. years average yield, 205.1 bu/a, 9 yrs			

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

Test Comments: *Good stands and early season vigor were a result of timely rains without dry periods or flooding. Showers were consistent through the season, with the exception of a super-soaker Aug 4-7 that brought 4.7". Plant height was relatively short but ears pollinated well and kernel depth was excellent. Seasonal rainfall totals from planting through maturity was about 10.4" above the area 30-yr average.*

† 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: Force 3G, Resicore, atrazine
 FERTILITY - Applied N: 30 Spring, 140 Side, 27 Foliar
 Applied N-P-K (units): 197-78-150
 SEEDING - RATE - ROW: May 7 35,700 /A 30" spacing
 HARVESTED - STAND: Sep 27 33,800 /A

Full-Season Test
107 - 110 Day CRM
 B2018IANC06b

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
NK Brand	NK0962-3220A-EZR	3220,A,B	109	258.8	22.0	4	33.9	787	2
Epley	E1712SS	STX	107	253.1	17.4	4	35.2	804	1
NK Brand	NK0886-3010	3010	108	249.9	21.8	4	31.2	761	8
LG Seeds	LG58C7VT2PRO	VT2P	108	249.8	20.6	4	31.9	770	3
Hefty	H5922VT2P	VT2P	109	249.8	21.5	4	34.5	763	6
Viking	48-08	None	108	249.8	21.6	4	33.9	762	7
NuTech/G2 Gen	5FB-1010	AM,B	110	249.5	22.2	4	36.5	757	9
FS InVISION	FS 58G00	None	108	247.7	21.8	4	33.9	754	10
Wyffels	W6408	STX	110	247.6	22.6	4	35.2	748	12
Champion	57A19VT2ProRIB	VT2P	107	246.7	19.8	4	35.2	766	5
Cornelius	C573DP	VT2P	108	245.8	19.0	4	34.5	769	4
Kruger	K1005DP	VT2P,B	110	244.1	23.5	4	35.8	731	17
Latham	EX5917VT2Pro	VT2P	109	243.3	22.8	4	34.5	734	16
Titan Pro	TP 40-09	None	109	240.2	19.5	8	33.2	748	13
Kruger	K0807SS	STX,B	108	239.4	22.3	4	35.8	726	19
Hefty	H6004SSRIB	STX,B	110	239.2	22.6	4	32.5	723	22
Viking	13-07	None	107	239.1	18.5	4	31.9	752	11
Latham	LH5965VT2ProRIB	VT2P,B	109	239.1	22.8	4	33.9	721	24
Latham	LH5725VT2Pro	VT2P	107	238.9	19.9	4	33.2	741	14
FS InVISION	FS 60LX1 RIB	STX,B	110	236.9	21.4	4	30.5	724	20
Golden Harvest	G09Y24-3220A-EZR	3220,A,B	109	236.7	22.1	4	33.2	719	26
Wyffels	W5516RIB	VT2P,B	108	236.4	22.7	4	33.2	714	28
Hefty	H5812VT2PRIB	VT2P,B	108	235.8	20.0	4	32.5	731	18
Champion	60A18VT2ProRIB	VT2P,B	110	235.6	21.1	4	34.5	723	23
Legend	LR9907GENSSRIB	STX,B	107	234.0	18.7	4	33.9	735	15
Champion	CSX59A16SSRIB	STX,B	109	232.9	22.0	4	32.5	708	30
NuTech/G2 Gen	5FN-8808	OI	108	231.6	20.1	4	33.9	717	27
Golden Harvest	G08M20-3010	3010	108	230.9	21.4	4	34.5	706	31
Golden Harvest	G08D29-3120A-EZR	3120,A,B	108	229.2	18.1	4	33.2	724	21
Legend	X0991	STX	109	228.1	19.7	4	33.9	709	29
Pioneer	P0589AMXT CK	AMXT,AQ,B	105	232.9	20.1	4	33.2	721	25

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Averages = **231.0** **21.5** **4** **33.8** **706**

LSD (0.10) = 11.6 1.0 ns

LSD (0.25) = 6.1 0.5 ns

C.V. = 4.8 Prev. years average yield, 205.1 bu/a, 9 yrs

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Early-Season Test Products (60 Total)

Company/Brand	Product/Brand	Technol.	Seed Trt.	RM	Company/Brand	Product/Brand	Technol.	Seed Trt.	RM
Champion	51A19VT2ProRIB	VT2P	AC,P2	101	Renk	RK642SSTX	STX,B	AC,P5V	103
Champion	52A18VT2ProRIB	VT2P,B	AC,P2	102	Renk	RK717SSTX	STX,B	AC,P5V	105
Champion	53A19SSRIB	STX	AC,P5V	103	Renk	RK737SSTX	STX	AC,P5V	106
Champion	56A18VT2ProRIB	VT2P,B	AC,P2	106	Titan Pro	82-04 2P	VT2P,B	AC,P2	104
Cornelius	C385DP	VT2P	CM,C2	103	Titan Pro	EXP 84-01 SS	STX,B	AC,P5V	101
Cornelius	C461SS	STX	AC,P5V	106	Titan Pro	TP 40-03	None	CM,C2,Vi	103
Cornelius	C478DP	VT2P	AC,P5V	106	Titan Pro	TP 70-06	None	CM,C2,Vi	106
De Dell Seeds	DL 6207	None	MQ	106	Viking	42-05	None	CM,C2	105
Epley	E1312SS	STX	AC,P5V	103	Viking	51-04	None	CM,C2	104
FS InVISION	FS 51QX1 RIB	STX,B	AC,P5V	101	Viking	55-02	None	AC,P5V	102
FS InVISION	FS 52RL0 EZR	3120,B	CM,C2,Vi	102	Viking	63-05	None	CM,C2	104
FS InVISION	FS 53ZX1 RIB	STX,B	AC,P5V	103	Wyffels	W3078RIB	STX,B	AC,P5V	106
FS InVISION	FS 55TX1 RIB	STX,B	AC,P5V	105	Wyffels	W3488	STX	AC,P5V	104
Golden Harvest	G03C84-3120-EZR	3120,B	AVC,C2,Vi	103	Wyffels	W4196RIB	VT2P,B	AC,P5V	105
Golden Harvest	G05K08-3010A	3010,A	AVC,C2,Vi	105	Wyffels	W4796RIB	VT2P,B	AC,P5V	106
Golden Harvest	G06Q68-3220-EZR	3220,B	AVC,C2,Vi	106					
Golden Harvest	G06Z97-3120-EZR	3120,B	AVC,C2,Vi	106					
Hefty	H5212VT2PRIB	VT2P,B	HC	102					
Hefty	H5302VT2PRIB	VT2P,B	HC	103					
Hefty	H5522VT2P	VT2P	HC	105					
Hefty	H5524SS	STX	HC	105					
Kruger	K0109SS	STX,B	AC,P5V	101					
Kruger	K4R-9704	STX,B	AC,P5V	104					
Kruger	K4R-9706	STX,B	AC,P5V	106					
Kruger	K4R-9802	STX,B	AC,P5V	102					
Latham	LH5245VT2ProRIB	VT2P,B	AC,P2	102					
Latham	LH5487VT2Pro	VT2P	AC,P5V	104					
Latham	LH5505VT2ProRIB	VT2P,B	AC,P2	105					
Latham	LH5635VT2ProRIB	VT2P,B	AC,P2	106					
Legend	LR9705GENSSRIB	STX,B	CM,C2,Vi	105					
Legend	LR9804GENSSRIB	STX,B	CM,C2,Vi	104					
LG Seeds	LG5525VT2RIB	VT2P,B	AC,P5V	105					
NK Brand	NK0602-3010	3010	AVC,C2,Vi	106					
NK Brand	NK0624-3220-EZR	3220,B	AVC,C2,Vi	106					
NuTech/G2 Gen	5F-503	AM,B	MQ,P5V,R	103					
NuTech/G2 Gen	5F-504	AM,B	MQ,P5V,R	104					
NuTech/G2 Gen	5F-601	AM,AQ,B	MQ,P5V,R	101					
NuTech/G2 Gen	E5FN-A604	OI	MQ,P1V,R	104					
Pfister	63A3SSR	STX,B	CM,C5,Vi,In	103					
Pfister	64F1PE	PC,E	CM,C5,Vi,In	104					
Pfister	65G1SE	STX,E	CM,C5,Vi,In	105					
Pfister	66Y3PE	PC,E	CM,C5,Vi,In	106					
Pioneer	P0306AM GC	AM,AQ,B	MQ,C5,R,Lu	103					
Pioneer	P0589AMXT CK	AMXT,AQ,B	MQ,C2,R	105					
Renk	RK604SSTX	STX	AC,P5V	102					

2018 Corn Grain - Iowa North Central [IANC]



Full-Season Test Products (60 Total)

Company/Brand	Product/Brand	Technol.	Seed Trt.	RM	Company/Brand	Product/Brand	Technol.	Seed Trt.	RM
Champion	57A19VT2ProRIB	VT2P	AC,P2	107	Pfister	70A1SSR	STX,B	CM,C5,Vi,In	110
Champion	58A18VT2ProRIB	VT2P,B	AC,P2	108	Pioneer	P0589AMXT CK	AMXT,AQ,B	MQ,C2,R	105
Champion	60A18VT2ProRIB	VT2P,B	AC,P2	110	Pioneer	P0919AM GC	AM,B	MQ,C2,R,Lu	109
Champion	CSX59A16SSRIB	STX,B	AC,P5V	109	Pioneer	P1197AM GC	AM,B	MQ,C2,R,Lu	111
Cornelius	C564SS	STX	AC,P5V	108	Renk	RK763VT2P	VT2P,B	AC,P2	108
Cornelius	C573DP	VT2P	CM,C2	108	Renk	RK779SSTX	STX	AC,P5V	108
Cornelius	C577SS	STX	AC,P5V	109	Renk	RK815SSTX	STX,B	AC,P2	110
Cornelius	C633DP	VT2P	CM,C2	110	Titan Pro	82-09 2P	VT2P,B	AC,P2	109
Dekalb	DKC58-06RIB GC	STX,B	AC,P5V	108	Titan Pro	TP 40-09	None	CM,C2,Vi	109
Epley	E1712SS	STX	AC,P5V	107	Viking	13-07	None	CM,C2	107
FS InVISION	FS 57ZX1 RIB	STX,B	AC,P5V	107	Viking	48-08	None	AC,P5V	108
FS InVISION	FS 58G00	None	AC,P2	108	Wyffels	W5516RIB	VT2P,B	AC,P5V	108
FS InVISION	FS 60LX1 RIB	STX,B	AC,P5V	110	Wyffels	W5626	VT2P	AC,P5V	108
FS InVISION	FS 60UX1 RIB	STX,B	AC,P5V	110	Wyffels	W6408	STX	AC,P5V	110
Golden Harvest	G08D29-3120A-EZR	3120,A,B	AVC,C5,Vi	108	Wyffels	W6896RIB	VT2P,B	AC,P2	110
Golden Harvest	G08M20-3010	3010	AVC,C5,Vi	108					
Golden Harvest	G09A86-3000GT	3000GT	AVC,C5,Vi	109					
Golden Harvest	G09Y24-3220A-EZR	3220,A,B	AVC,C5,Vi	109					
Hefty	H5812VT2PRIB	VT2P,B	HC	108					
Hefty	H5922VT2P	VT2P	HC	109					
Hefty	H6004SSRIB	STX,B	HC	110					
Hefty	H6024SS	STX,B	HC	110					
Kruger	K0807SS	STX,B	AC,P5V	108					
Kruger	K1005DP	VT2P,B	AC,P2	110					
Kruger	K4R-9608	STX,B	AC,P5V	108					
Latham	EX5917VT2Pro	VT2P	AC,P5V	109					
Latham	LH5725VT2Pro	VT2P	AC,P5V	107					
Latham	LH5819SSRIB	STX,B	AC,P5V	108					
Latham	LH5965VT2ProRIB	VT2P,B	AC,P2	109					
Legend	LR9907GENSSRIB	STX,B	CM,C2,Vi	107					
Legend	X0895	STX	CM,C2,Vi	108					
Legend	X0991	STX	CM,C2,Vi	109					
LG Seeds	LG5548STXRIB	STX,B	AC,P5V	109					
LG Seeds	LG58C77VT2PRO	VT2P	AC,P5V	108					
LG Seeds	LG59C66VT2PRO	VT2P	AC,P5V	109					
Miller Hybrids	RX10-36SS	STX	AC,P5V	110					
NK Brand	NK0886-3010	3010	AVC,C5,Vi	108					
NK Brand	NK0962-3220A-EZR	3220,A,B	AVC,C5,Vi	109					
NuTech/G2 Gen	5F-308	AM,B	MQ,P5V,R	108					
NuTech/G2 Gen	5FB-1010	AM,B	MQ,P5V,R	110					
NuTech/G2 Gen	5FB-9909	AM,B	CM,C2,R,Lu	109					
NuTech/G2 Gen	5FN-8808	OI	MQ,P1V,R	108					
Pfister	2545RASS	STX,B	CM,C5,Vi,In	107					
Pfister	68A1PE	PC,E	CM,C5,Vi,In	108					
Pfister	69E2SSR	STX,B	CM,C5,Vi,In	109					

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.