

2018 Corn Grain Top 30 Harvest Report

Iowa North Central [IANC] PLYMOUTH
 Aaron & Stan Sprung, Cerro Gordo County, IA 50464



PREV. CROP/HERB: Soybean / Treflan, Sencor, Liberty
 SOIL DESCRIPTION: Dinsdale silty clay loam, mod. well drained, non-irrigated
 SOIL CONDITION: Minimum w/o fall till, very high P, high K, 7.1 pH, 4.6% OM, 21.9 CEC
 PEST MANAGEMENT: Force 3G, Keystone LA NXT
 FERTILITY - Applied N: 53 Spring, 53 Sidedress
 Applied N-P-K (units): 106-0-0
 SEEDED - RATE - ROW: May 16 33,600 /A 30" spacing
 HARVESTED - STAND: Oct 17 32,700 /A

Early-Season Test
101 - 106 Day CRM
 B2018IANC02a

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
Wyffels	W4796RIB	VT2P,B	106	245.0	19.3	1	32.5	765	1
Latham	LH5487VT2Pro	VT2P	104	235.5	19.2	1	31.9	736	2
Kruger	K4R-9706	STX,B	106	234.9	22.3	1	33.9	712	5
Hefty	H5212VT2PRIB	VT2P,B	102	232.5	18.5	1	33.2	731	3
Wyffels	W4196RIB	VT2P,B	105	230.7	20.5	1	32.5	712	6
Viking	51-04	None	104	229.8	19.8	22	27.2	714	4
Legend	LR9804GENSSRIB	STX,B	104	228.0	20.2	1	32.5	705	8
Cornelius	C478DP	VT2P	106	227.6	20.5	1	33.2	702	9
Latham	LH5245VT2ProRIB	VT2P,B	102	224.9	18.4	1	31.9	708	7
Pfister	64F1PE	PC,E	104	224.2	21.5	1	32.5	685	13
Latham	LH5505VT2ProRIB	VT2P,B	105	223.3	20.1	2	33.2	692	12
Viking	55-02	None	102	221.8	21.1	25	31.2	680	16
Golden Harvest	G05K08-3010A	3010,A	105	221.1	18.8	6	31.2	693	11
Hefty	H5522VT2P	VT2P	105	220.9	18.6	7	33.2	694	10
LG Seeds	LG5525VT2RIB	VT2P,B	105	220.6	20.0	1	33.2	684	14
Renk	RK737SSTX	STX	106	220.4	20.9	1	33.9	677	18
NK Brand	NK0602-3010	3010	106	219.8	20.3	1	33.2	679	17
Champion	53A19SSRIB	STX	103	219.1	19.8	1	33.2	681	15
Pioneer	P0306AM GC	AM,AQ,B	103	218.1	19.8	1	32.5	677	19
Pfister	65G1SE	STX,E	105	215.4	22.0	1	33.9	655	26
Cornelius	C385DP	VT2P	103	215.3	18.5	1	34.5	677	20
Kruger	K4R-9704	STX,B	104	213.2	20.3	1	33.2	659	23
Titan Pro	82-04 2P	VT2P,B	104	213.1	19.1	2	33.9	666	21
Viking	63-05	None	104	213.1	21.2	1	34.5	653	28
Titan Pro	TP 70-06	None	106	212.8	20.2	1	29.9	658	24
Pfister	66Y3PE	PC,E	106	212.8	21.2	9	33.9	652	30
Hefty	H5302VT2PRIB	VT2P,B	103	212.3	18.7	2	33.2	666	22
Titan Pro	TP 40-03	None	103	212.2	20.6	1	32.5	654	27
FS InVISION	FS 52RL0 EZR	3120,B	102	209.7	19.0	9	30.5	656	25
Latham	LH5635VT2ProRIB	VT2P,B	106	208.5	18.9	1	31.2	653	29
Pioneer	P0589AMXT CK	AMXT,AQ,B	105	208.8	22.2	1	33.2	633	48

Corey Rozenboom

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

Averages =	212.1	20.2	4	32.7	657
LSD (0.10) =	11.5	0.6	9		
LSD (0.25) =	6.0	0.3	5		
C.V. =	5.2	Prev. years average yield, 211.3 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: *Plenty of moisture throughout the season led to several periods of saturated soil conditions. Aaron, our plot host, noted his earlier maturity hybrids were yielding better than later maturities this year. Ear shanks remained strong at the time of harvest though the effects of some stalk deterioration were captured by lodging scores. Wet October weather has made grain very slow to dry in the fields.*

† 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, Keystone LA NXT
 FERTILITY - Applied N: 53 Spring, 53 Sidedress
 Applied N-P-K (units): 106-0-0
 SEEDED - RATE - ROW: May 16 33,600 /A 30" spacing
 HARVESTED - STAND: Oct 17 32,800 /A

Full-Season Test
107 - 110 Day CRM
 B2018IANC02b

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
Latham	EX5917VT2Pro	VT2P	109	237.3	21.1	1	33.2	735	1
Kruger	K4R-9608	STX,B	108	237.3	21.2	1	32.5	734	2
FS InVISION	FS 58G00	None	108	232.2	22.0	1	32.5	714	4
Golden Harvest	G09Y24-3220A-EZR	3220,A,B	109	231.9	24.0	1	32.5	701	6
Champion	57A19VT2ProRIB	VT2P	107	231.8	19.2	15	34.5	729	3
Champion	60A18VT2ProRIB	VT2P,B	110	230.3	22.4	4	32.5	706	5
Kruger	K0807SS	STX,B	108	227.4	23.7	1	33.2	690	8
NK Brand	NK0962-3220A-EZR	3220,A,B	109	227.1	23.2	1	33.9	692	7
Renk	RK779SSTX	STX	108	224.7	24.0	1	33.9	680	11
Champion	CSX59A16SSRIB	STX,B	109	223.9	22.9	1	32.5	683	9
LG Seeds	LG58C77VT2PRO	VT2P	108	221.0	21.6	1	31.9	682	10
Viking	48-08	None	108	220.8	22.5	1	34.5	676	12
Wyffels	W6896RIB	VT2P,B	110	220.4	24.5	1	33.9	664	15
Legend	X0895	STX	108	219.2	24.0	4	33.9	663	16
Pfister	2545RASS	STX,B	107	218.5	23.7	1	33.9	663	17
FS InVISION	FS 60UX1 RIB	STX,B	110	216.5	24.9	1	32.5	650	24
NuTech/G2 Gen	5FB-9909	AM,B	109	216.3	22.4	1	33.9	663	18
Golden Harvest	G09A86-3000GT	3000GT	109	215.2	23.2	1	31.2	655	20
NuTech/G2 Gen	5FN-8808	OI	108	214.5	23.3	1	32.5	653	22
Cornelius	C633DP	VT2P	110	214.3	23.5	1	33.2	651	23
Hefty	H5922VT2P	VT2P	109	213.9	22.6	1	33.2	655	21
Renk	RK763VT2P	VT2P,B	108	213.4	18.9	1	33.9	673	13
Golden Harvest	G08D29-3120A-EZR	3120,A,B	108	212.3	21.4	1	32.5	656	19
NuTech/G2 Gen	5FB-1010	AM,B	110	212.2	24.1	1	33.2	641	30
Hefty	H5812VT2PRIB	VT2P,B	108	212.1	19.5	7	31.9	665	14
Renk	RK815SSTX	STX,B	110	211.0	22.6	1	33.2	646	26
Dekalb	DKC58-06RIB GC	STX,B	108	210.0	22.6	1	32.5	643	28
Latham	LH5965VT2ProRIB	VT2P,B	109	209.8	22.0	1	33.9	645	27
Latham	LH5725VT2Pro	VT2P	107	206.8	19.6	5	33.9	648	25
Titan Pro	TP 40-09	None	109	206.8	21.7	1	31.9	637	31
Pioneer	P0589AMXT CK	AMXT,AQ,B	105	207.3	21.2	1	33.9	642	29

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Averages = **209.0** **22.5** **2** **32.8** **640**

LSD (0.10) = 10.9 0.9 4

LSD (0.25) = 5.7 0.5 2

C.V. = 5.0 Prev. years average yield, 211.3 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: *Plenty of moisture throughout the season led to several periods of saturated soil conditions. Aaron, our plot host, noted his earlier maturity hybrids were yielding better than later maturities this year. Ear shanks remained strong at the time of harvest though the effects of some stalk deterioration were captured by lodging scores. Wet October weather has made grain very slow to dry in the fields.*

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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.