

2018 Corn Grain Top 30 Harvest Report
 North Central Tri-State [NCTS] MANCHESTER
 John Crock, Delaware County, IA 52057



PREV. CROP/HERB: Corn, 2+ Yr / Harness Xtra, Roundup WeatherMax
 SOIL DESCRIPTION: Kenyon loam, mod. well drained, non-irrigated
 SOIL CONDITION: Conventional w/ fall till, very high P, very high K, 5.9 pH, 3.4% OM, 16.4 CEC
 PEST MANAGEMENT: Harness Xtra, Roundup WeatherMax, Cadet, Granite, Alpine, Force
 FERTILITY - Applied N: 111 Fall, 100 Sidedress
 Applied N-P-K (units): 211-52-122
 SEEDING - RATE - ROW: Apr 27 37,500 /A 30" spacing
 HARVESTED - STAND: Sep 29 34,500 /A

Early-Season Test
101 - 106 Day CRM
 B2018NCTS09a

Top 30 of 63

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
Golden Harvest	G05K08-3010A	3010,A	105	265.6	19.0	1	34.8	964	1
Wyffels	W2506	VT2P	101	261.2	19.3	1	35.7	946	2
NuTech/G2 Gen	5F-504	AM,B	104	259.0	18.5	1	34.0	944	3
Latham	LH5505VT2ProRIB	VT2P,B	105	256.9	19.2	1	34.0	931	4
Jung	56SS538	STX,B	106	256.7	21.1	1	34.8	916	9
Stone	5638RIB	STX,B	106	256.4	19.7	1	34.8	925	6
Kussmaul	SS-44S05RIB	STX,B	105	255.8	19.3	1	34.8	926	5
Dekalb	DKC55-53RIB GC	STX,B	105	255.7	19.7	1	35.7	923	7
Wyffels	W4196RIB	VT2P,B	105	253.9	19.0	1	34.0	922	8
Burrus	Power Plus 2Y06^	AM,B	104	250.8	18.8	2	34.8	912	11
Dairyland	DS-7603PE	PC,E	103	250.6	18.1	1	34.0	916	10
LG Seeds	LG5525VT2RIB	VT2P,B	105	250.3	19.2	1	34.8	907	15
Cornelius	C461SS	STX	106	249.9	18.6	9	34.8	910	13
Pioneer	P0589AMXT GC	AMXT,AQ,B	105	249.7	20.1	1	34.8	898	19
Jung	54SS528	STX,B	104	249.6	18.2	1	34.8	912	12
Renk	RK717SSTX	STX,B	105	248.4	18.4	1	33.1	906	17
NuTech/G2 Gen	5F-601	AM,AQ,B	101	248.2	18.2	1	33.1	907	16
Dairyland	DS-7106PE	PC,E	106	247.9	20.5	1	34.8	889	23
Latham	LH5245VT2ProRIB	VT2P,B	102	247.4	17.6	1	34.0	908	14
Latham	LH5487VT2Pro	VT2P	104	246.9	20.6	1	34.8	884	28
Golden Harvest	G06Q68-3220-EZR	3220,B	106	246.6	19.4	1	32.2	892	21
Dekalb	DKC56-45RIB GC	STX,B	106	246.1	20.0	1	34.0	886	27
Pfister	64F1PE	PC,E	104	245.8	18.3	1	34.8	897	20
Pfister	60C2PC	PC	100	245.3	19.3	1	33.1	888	26
NuTech/G2 Gen	5F-702	AM,B	102	245.1	17.8	1	34.8	899	18
Renk	RK737VT2P	VT2P	106	245.0	19.1	1	34.8	889	24
Stone	5448RIB	STX,B	104	244.9	19.0	1	34.8	889	25
Cornelius	C478DP	VT2P	106	244.1	18.4	1	35.7	890	22
Hefty	H5302VT2PRIB	VT2P,B	103	242.0	18.5	1	34.8	882	29
Hefty	H5522VT2P	VT2P	105	241.4	18.4	1	34.8	881	30
Pioneer	P0707AMXT CK	AMXT,B	107	247.9	22.7	1	34.8	872	37

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Averages =	242.4	19.2	1	34.5	879
LSD (0.10) =	12.4	1.3	ns		
LSD (0.25) =	6.5	0.7	ns		
C.V. =	4.9	Prev. years average yield, 194.7 bu/a, 17 yrs			

Yield & Income Factors: Base Moisture = 15.0% Shrink = 1.3 Drying = \$0.030 Prices: GMO = \$3.75; non-GMO = \$3.75

Test Comments: Emergence at this location struggled just a little bit, but plants had uniform height throughout the growing season. This plot was planted in late April, nice and early, like most of Iowa this year, rainfall was abundant at times. Pollination was excellent with ears filled close to the tips and all kernels filled nicely. There was little to no disease to cause any additional plant stress.

† 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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 FERTILITY - Applied N: 111 Fall, 100 Sidedress
 Applied N-P-K (units): 211-52-122
 SEEDING - RATE - ROW: Apr 27 37,500 /A 30" spacing
 HARVESTED - STAND: Sep 29 33,900 /A

Full-Season Test
107 - 110 Day CRM
 B2018NCTS09b

Top 30 of 54

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
NuTech/G2 Gen	5FB-1010	AM,B	110	270.7	22.2	1	34.8	957	2
Cornelius	C633DP	VT2P	110	266.1	19.6	1	34.8	961	1
Cornelius	C577SS	STX	109	265.5	20.8	2	34.0	949	3
Hefty	H5922VT2P	VT2P	109	264.1	20.8	1	34.8	944	4
Wyffels	W6896RIB	VT2P,B	110	264.0	20.8	1	34.8	944	5
Wyffels	W5518	STX	109	262.2	21.6	1	34.8	931	6
REV	2067AM	AM,B	110	260.1	21.6	1	33.1	924	8
Burrus	Power Plus 4Y34^	OI	108	258.6	20.4	1	33.1	928	7
Dairyland	DS-7909PE	PC,E	109	257.9	21.4	1	34.0	918	12
Wyffels	W6408	STX	110	257.2	22.1	1	34.0	910	15
Latham	LH5965VT2ProRIB	VT2P,B	109	257.1	21.2	1	34.8	916	13
Pfister	68A1PE	PC,E	108	256.2	21.9	1	33.1	908	18
Cornelius	C573DP	VT2P	108	255.3	19.5	1	34.0	923	10
Hefty	H5812VT2PRIB	VT2P,B	108	254.9	19.6	1	36.6	921	11
Latham	LH5725VT2Pro	VT2P	107	254.7	19.1	1	35.7	924	9
Dairyland	DS-6008	RR2	108	254.0	21.9	1	34.0	900	22
Wyffels	W6956	VT2P	111	253.6	21.7	1	34.8	900	23
LG Seeds	LG59C66VT2PRO	VT2P	109	253.1	19.8	2	31.3	913	14
NuTech/G2 Gen	5FB-9909	AM,B	109	253.1	20.6	1	34.0	907	19
Hefty	H6024SS	STX,B	110	253.1	21.5	1	34.8	900	24
Jung	58SS529	STX,B	108	252.9	21.1	1	34.8	902	20
Latham	EX5917VT2Pro	VT2P	109	252.7	20.1	1	34.0	909	16
Burrus	Power Plus 4A67^	AMXT,B	109	252.2	21.4	1	34.0	897	25
Renk	RK763VT2P	VT2P,B	108	252.1	19.8	1	33.1	909	17
Dyna-Gro	D49SS70	STX	109	252.0	21.9	1	35.7	893	27
Titan Pro	82-09 2P	VT2P,B	109	251.8	21.5	1	31.3	895	26
Jung	58SS537RIB	STX,B	108	251.4	20.4	1	32.2	902	21
FS InVISION	FS 59VL1 EZR	3220,B	109	250.3	21.1	1	31.3	893	28
Stone	5858RIB	STX,B	108	250.1	21.1	1	35.7	892	30
Golden Harvest	G09A86-3000GT	3000GT	109	249.0	20.6	1	35.7	892	31
Pioneer	P0707AMXT CK	AMXT,B	107	250.1	21.0	1	34.0	893	29

Averages = **249.3** **21.0** **1** **33.9** **890**

LSD (0.10) = 11.7 0.8 1

LSD (0.25) = 6.1 0.4 0

C.V. = 4.4 Prev. years average yield, 194.7 bu/a, 17 yrs

Yield & Income Factors: Base Moisture = 15.0% Shrink = 1.3 Drying = \$0.030 Prices: GMO = \$3.75; non-GMO = \$3.75

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2018 Corn Grain - North Central Tri-State [NCTS]



Early-Season Test Products (63 Total)

Company/Brand	Product/Brand	Technol.	Seed Trt.	RM	Company/Brand	Product/Brand	Technol.	Seed Trt.	RM
Burrus	Power Plus 2B77^	AMXT,B	CM,C2,R,Lu	105	Pfister	63A3SSR	STX,B	CM,C5,Vi,In	103
Burrus	Power Plus 2Y06^	AM,B	CM,C2,R,Lu	104	Pfister	64F1PE	PC,E	CM,C5,Vi,In	104
Cornelius	C385DP	VT2P	CM,C2	103	Pfister	65G1SE	STX,E	CM,C5,Vi,In	105
Cornelius	C461SS	STX	AC,P5V	106	Pioneer	P0157AMXT	AMXT,AQ,B	MQ,P1V,R	101
Cornelius	C478DP	VT2P	AC,P5V	106	Pioneer	P0589AMXT GC	AMXT,AQ,B	MQ,P1V,R	105
Dairyland	DS-7101	PC	CM,C5,Vi,In	101	Pioneer	P0707AMXT CK	AMXT,B	MQ,P1V,R	107
Dairyland	DS-7106PE	PC,E	CM,C5,Vi,In	106	Renk	RK604SSSTX	STX	AC,P5V	102
Dairyland	DS-7603PE	PC,E	CM,C5,Vi,In	103	Renk	RK642SSSTX	STX,B	AC,P5V	103
Dairyland	DS-9804RA	STX,B	CM,C5,Vi,In	103	Renk	RK717SSSTX	STX,B	AC,P5V	105
Dekalb	DKC55-53RIB GC	STX,B	AC,P5V	105	Renk	RK737VT2P	VT2P	AC,P5V	106
Dekalb	DKC56-45RIB GC	STX,B	AC,P5V	106	Stone	5448RIB	STX,B	AC,P5V	104
Dyna-Gro	D43SS81	STX	AC,P5V	103	Stone	5638RIB	STX,B	AC,P5V	106
Dyna-Gro	D47SS29RIB	STX,B	AC,P5V	106	Titan Pro	82-04 2P	VT2P,B	AC,P2	104
FS InVISION	FS 51QX1 RIB	STX,B	AC,P5V	101	Titan Pro	TP 77-06 SS	STX,B	AC,P5V	106
FS InVISION	FS 52RL0 EZR	3120,B	CM,C2,Vi	102	Wyffels	W2506	VT2P	AC,P2	101
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					
Golden Harvest	G06Q68-3220-EZR	3220,B	AVC,C2,Vi	106					
Golden Harvest	G06Z97-3120-EZR	3120,B	AVC,C2,Vi	106					
Hefty	H5302VT2PRIB	VT2P,B	HC	103					
Hefty	H5504SSRIB	STX,B	HC	105					
Hefty	H5522VT2P	VT2P	HC	105					
Hefty	H5524SS	STX	HC	105					
Jung	53SS517RIB	STX,B	AC,P5V	103					
Jung	54SS528	STX,B	AC,P5V	104					
Jung	56SS538	STX,B	AC,P5V	106					
Kussmaul	SB-44V02DGRIB	VT2P,DG,B	AC,P2	102					
Kussmaul	SB-45V03RIB	VT2P,B	AC,P2	103					
Kussmaul	SS-44S05RIB	STX,B	AC,P5V	105					
Kussmaul	SS-46S03RIB	STX,B	AC,P5V	103					
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					
LG Seeds	LG5499STXRIB	STX,B	AC,P5V	102					
LG Seeds	LG5525VT2RIB	VT2P,B	AC,P5V	105					
NK Brand	NK0330-3120-EZR	3120,B	AVC,C2,Vi	103					
NK Brand	NK0624-3220-EZR GC	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	5F-702	AM,B	MQ,P5V,R	102					
Pfister	60C2PC	PC	CM,C5,Vi,In	100					

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Full-Season Test Products (54 Total)

Company/Brand	Product/Brand	Technol.	Seed Trt.	RM	Company/Brand	Product/Brand	Technol.	Seed Trt.	RM
Burrus	Power Plus 4A67^	AMXT,B	CM,C2,R,Lu	109	Renk	RK815SSTX	STX,B	AC,P2	110
Burrus	Power Plus 4Y34^	OI	MQ,P1V,R	108	REV	1817AM	AM,B	MQ,P5V,R	109
Cornelius	C564SS	STX	AC,P5V	108	REV	2067AM	AM,B	MQ,P1V,R	110
Cornelius	C573DP	VT2P	CM,C2	108	Stone	5858RIB	STX,B	AC,P5V	108
Cornelius	C577SS	STX	AC,P5V	109	Titan Pro	82-09 2P	VT2P,B	AC,P2	109
Cornelius	C633DP	VT2P	CM,C2	110	Wyffels	W5518	STX	AC,P5V	109
Dairyland	DS-6008	RR2	CM,C5,Vi,In	108	Wyffels	W6408	STX	AC,P5V	110
Dairyland	DS-7909PE	PC,E	CM,C5,Vi,In	109	Wyffels	W6896RIB	VT2P,B	AC,P2	110
Dairyland	DS-9508RA	STX,B	CM,C5,Vi,In	108	Wyffels	W6956	VT2P	AC,P5V	111
Dairyland	DS-9510RA	STX,B	CM,C5,Vi,In	110					
Dyna-Gro	D49SS70	STX	AC,P5V	109					
FS InVISION	FS 57ZX1 RIB	STX,B	AC,P5V	107					
FS InVISION	FS 59VL1 EZR	3220,B	CM,C2,Vi	109					
FS InVISION	FS 60LX1 RIB	STX,B	AC,P5V	110					
FS InVISION	FS 60UX1 RIB	STX,B	AC,P5V	110					
Golden Harvest	G08D29-3120A-EZR	3120,A,B	AVC,C5,Vi	108					
Golden Harvest	G08M20-3010	3010	AVC,C5,Vi	108					
Golden Harvest	G09A86-3000GT	3000GT	AVC,C5,Vi	109					
Golden Harvest	G10T63-3122-EZR	3122,B	AVC,C5,Vi	110					
Hefty	H5812VT2PRIB	VT2P,B	HC	108					
Hefty	H5922VT2P	VT2P	HC	109					
Hefty	H6004SSRIB	STX,B	HC	110					
Hefty	H6024SS	STX,B	HC	110					
Jung	58SS529	STX,B	AC,P5V	108					
Jung	58SS537RIB	STX,B	AC,P5V	108					
Jung	61SS608	STX,B	AC,P5V	111					
Kussmaul	SS-45S08RIB	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					
LG Seeds	LG5548STXRIB	STX,B	AC,P5V	109					
LG Seeds	LG58C77VT2PRO	VT2P	AC,P5V	108					
LG Seeds	LG59C66VT2PRO	VT2P	AC,P5V	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					
Pfister	69H1PE	PC,E	CM,C5,Vi,In	109					
Pioneer	P0707AMXT CK	AMXT,B	MQ,P1V,R	107					
Renk	RK763VT2P	VT2P,B	AC,P2	108					
Renk	RK779SSTX	STX	AC,P5V	108					

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.