

2016 Corn Grain Top 30 Harvest Report

Missouri Northwest [MONW] LINEVILLE
Bradley Vogel, Wayne County, IA 50147



Test by: F.I.R.S.T. CCB, Inc., Elizabeth, IL

PREV. CROP/HERB: Soybean / Roundup
SOIL DESCRIPTION: Tuskeego silt loam, mod. well drained, non-irrigated
SOIL CONDITION: Minimum w/o fall till, mod. high P, moderate K, 5.6 pH, 2.1% OM
PEST MANAGEMENT: Acuron, Force
FERTILITY - Applied N: 122 Spring
Applied N-P-K (units): 122-81-66
SEEDING - RATE - ROW: Apr 15 32,900 /A 30" spacing
HARVESTED - STAND: Oct 9 33,600 /A

Early-Season Test

107 - 112 Day CRM
B2016MONW36a

Top 30 of 42

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
LG Seeds	LG5618STXRIB	STX,B	112	250.6	17.6	1	31.9	650	2
Pfister	70A1SSR	STX	110	247.9	15.8	1	34.8	660	1
NK Brand	N70J-3111A	3111,A	112	245.7	16.5	1	34.8	647	4
NuTech/G2 Gen	5F-311^	AM,AQ,B	111	244.1	16.0	1	32.9	648	3
Pfister	3366RASS	STX,B	112	242.3	16.4	1	33.9	639	5
Golden Harvest	G12W66-3000GT	3000GT	112	241.5	16.4	1	33.9	637	6
Wyffels	W7456RIB	VT2P,B	112	235.4	17.4	1	33.9	612	14
NuTech/G2 Gen	5F-308^	AM,B	108	235.0	15.4	1	33.9	629	7
Prairie Brand	6247SX	STX	112	233.6	16.0	1	32.9	620	9
Pfister	71C1VX	HXT,RR2	111	231.9	16.3	1	31.9	613	12
Renk	RK877DGV2P	VT2P,DG,B	111	231.8	15.3	1	32.9	621	8
Taylor	8808VT2ProRIB	VT2P,B	108	231.8	16.0	1	34.8	615	11
Dyna-Gro	D49VC39RIB	VT2P,B	109	231.7	16.2	1	34.8	613	13
Wyffels	W6946DGRIB	VT2P,DG,B	111	231.5	15.7	1	32.9	617	10
Taylor	8821VT2Pro	VT2P	110	229.4	15.8	1	35.8	610	15
FS InVISION	FS 61SV1 RIB	VT2P,B	111	229.0	15.7	1	32.9	610	16
Lewis	10SS747	STX,B	110	229.0	16.4	1	34.8	604	18
FS InVISION	FS 62TV1DG RIB	VT2P,DG,B	112	228.4	15.8	1	33.9	608	17
Taylor	8012VT2ProDG	VT2P,DG,B	112	228.3	16.2	1	32.9	604	19
NK Brand	N66V-3000GT	3000GT	110	228.2	16.4	1	31.9	602	20
LG Seeds	LG5554-3111	3111	108	224.2	15.3	1	32.9	601	21
Renk	RK815SSTX	STX	111	221.9	15.9	1	33.9	590	22
FS InVISION	FS 60QV1 RIB	VT2P,B	110	219.4	15.9	1	31.9	583	24
Golden Harvest	G07B39-3111A	3111,A	109	218.6	15.6	1	32.9	583	25
Renk	RK871VT2P	VT2P,B	111	217.8	16.5	1	30.9	574	26
NuTech/G2 Gen	5F-510^	AM,B	110	216.8	16.2	1	34.8	574	27
NuTech	X5V-0707	3111	107	214.6	15.4	1	34.8	574	28
Prairie Brand	5815RA	STX,B	108	214.3	15.6	1	35.8	572	29
Golden Harvest	G07F23-3111	3111	107	212.4	15.5	1	33.9	567	31
Augusta	A1108VT2ProRIB	VT2P,B	108	212.0	15.3	1	32.9	568	30
Pioneer	P1311AMXT CK	AMXT,B	113	222.1	16.3	1	33.9	587	23

Averages = **223.1** **16.0** **1** **33.6** **592**

LSD (0.10) = 16.9 0.6 ns

LSD (0.25) = 11.8 0.4 ns

C.V. = 5.6 Prev. years average yield, 195.6 bu/a, 1 yr

Randy Meinsma

randym@firstseedtests.com, (815) 238-8007

Yield & Income Factors: Base Moisture = 15.0% Shrink = 1.3 Drying = \$0.037 Prices: GMO = \$2.69; non-GMO = \$2.69

Test Comments: During the preharvest walk through, you could see that this plot would have some high yields. Plants were healthy with strong stalks. Ears were long, well pollinated with very little tip die-back. Kernel depth was very good. Ears were pointed downward with strong ear shanks. No weed control issues. The test was located on a slight slope which provided very good drainage.

† 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: 122 Spring
Applied N-P-K (units): 122-81-66
SEEDING - RATE - ROW: Apr 15 32,900 /A 30" spacing
HARVESTED - STAND: Oct 9 33,200 /A

Full-Season Test
113 - 116 Day CRM
B2016MONW36b

Top 30 of 42

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
LG Seeds	LG5663VT2PRIB	VT2P,B	115	246.5	18.2	1	31.9	634	3
Taylor	8835VT2Pro	VT2P	114	245.4	18.0	1	33.9	633	4
Renk	RK924DGV2P	VT2P,DG,B	114	245.3	16.8	1	33.9	644	1
Kruger	KR-4917	VT2P,B	116	244.0	18.2	1	33.9	627	6
Wyffels	W8268	STX	116	243.2	17.1	2	32.9	635	2
Wyffels	W7888RIB	STX,B	114	242.5	17.4	1	33.9	631	5
Wyffels	W8918	STX	116	239.7	17.8	1	35.8	620	8
FS InVISION	FS 66ZV1	VT2P	116	238.8	17.4	1	30.9	621	7
Renk	RK941SSTX	STX,B	114	237.7	17.3	1	31.9	619	9
LG Seeds	LG5650STX	STX	114	236.5	17.9	1	32.9	611	14
Kruger	K4R-9116	STX,B	116	235.9	18.3	1	34.8	606	17
NuTech/G2 Gen	5F-515^	AM,B	115	234.1	16.4	1	33.9	618	10
Lewis	14DP857	VT2P,B	114	233.7	16.4	1	32.9	617	11
LG Seeds	LG5643STX	STX	114	233.4	17.1	1	32.9	610	15
NuTech/G2 Gen	5F-015^	AM,B	115	233.1	16.6	1	33.9	613	12
NuTech/G2 Gen	5F-713^	AM,B	113	232.6	16.5	1	33.9	613	13
Prairie Brand	6367SX	STX	113	230.3	16.5	1	30.9	607	16
FS InVISION	FS 64SX1 RIB	STX,B	114	230.3	17.1	1	34.8	602	20
Renk	RK935SSTX	STX,B	114	229.3	16.6	1	33.9	603	19
FS InVISION	FS 63ZV1 RIB	VT2P,B	113	229.2	16.3	1	35.8	606	18
NuTech	5N-914	3000GT	114	228.7	18.2	1	34.8	588	22
Pfister	3488HR	HX,RR2	115	226.7	17.6	1	31.9	588	23
Wyffels	W7696RIB	VT2P,B	113	226.6	16.3	1	32.9	599	21
Pfister	2770RASS	STX,B	113	225.0	17.3	1	32.9	586	26
Taylor	EXP C-115-13	VT2P	115	224.8	17.0	1	33.9	588	24
Prairie Brand	6394RA	STX,B	114	222.9	17.3	2	32.9	581	29
Taylor	8070VT2ProDG	VT2P,DG	112	222.1	16.1	1	33.9	588	25
Renk	RK961SSTX	STX	116	220.9	16.3	1	31.9	584	28
Golden Harvest	G16K01-3111	3111	116	219.9	16.7	1	31.9	578	30
Pfister	73C1VX	HXT,RR2	113	216.5	15.7	1	32.9	577	31
Pioneer	P1311AMXT CK	AMXT,B	113	222.2	16.5	1	32.9	585	27

Averages = **227.7** **17.1** **1** **33.2** **595**

LSD (0.10) = 12.7 0.6 ns

LSD (0.25) = 8.8 0.4 ns

C.V. = 4.1 Prev. years average yield, 195.6 bu/a, 1 yr

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Early-Season Test Products (42 Total)

Company/Brand	Product/Brand	Technol.	Seed Trt.	RM	Company/Brand	Product/Brand	Technol.	Seed Trt.	RM
Augusta	A1108VT2ProRIB	VT2P,B	AC,P2	108					
Augusta	A5062GT3110	3110	AVC,C5	112					
Dyna-Gro	D49VC39RIB	VT2P,B	AC,P2	109					
Dyna-Gro	D51SS54	STX	AC,P5V	111					
FS InVISION	FS 60LX1	STX	AC,P5V	110					
FS InVISION	FS 60QV1 RIB	VT2P,B	AC,P2	110					
FS InVISION	FS 61SV1 RIB	VT2P,B	AC,P2	111					
FS InVISION	FS 62TV1DG RIB	VT2P,DG,B	AC,P2	112					
Golden Harvest	G07B39-3111A	3111,A	AVC,C2,Vi	109					
Golden Harvest	G07F23-3111	3111	AVC,C2,Vi	107					
Golden Harvest	G11F16-3111A	3111,A	AVC,C5,Vi	111					
Golden Harvest	G12W66-3000GT	3000GT	AVC,C5,Vi	112					
Lewis	10SS747	STX,B	AC,P5V	110					
LG Seeds	LG5548STXRIB	STX,B	AC,P5V	108					
LG Seeds	LG5554-3111	3111	AVC,C5,Vi	108					
LG Seeds	LG5565STXRIB	STX,B	AC,P5V	108					
LG Seeds	LG5618STXRIB	STX,B	AC,P5V	112					
NK Brand	N66V-3000GT	3000GT	AVC,C5,Vi	110					
NK Brand	N70J-3111A	3111,A	AVC,C5,Vi	112					
NuTech	5N-410	3000GT	MQ,P5V,R	110					
NuTech	X5V-0707	3111	AVC,C2,Vi	107					
NuTech/G2 Gen	5F-308^	AM,B	MQ,P5V,R	108					
NuTech/G2 Gen	5F-311^	AM,AQ,B	MQ,P5V,R	111					
NuTech/G2 Gen	5F-510^	AM,B	MQ,P5V,R	110					
NuTech/G2 Gen	5F-709^	AM,AQ,B	MQ,P5V,R	109					
Pfister	2545RASS	STX,B	CM,C5,Vi,In	107					
Pfister	3366RASS	STX,B	CM,C5,Vi,In	112					
Pfister	70A1SSR	STX	CM,C1,Vi,In	110					
Pfister	71C1VX	HXT,RR2	CM,C1,Vi,In	111					
Pioneer	P1311AMXT CK	AMXT,B	MQ,P1V,R	113					
Prairie Brand	5815RA	STX,B	CM,C5,Vi,In	108					
Prairie Brand	6247SX	STX	CM,C1,Vi,In	112					
Renk	RK810SSTX	STX,B	AC,P5V	110					
Renk	RK815SSTX	STX	AC,P5V	111					
Renk	RK871VT2P	VT2P,B	AC,P2	111					
Renk	RK877DGV2P	VT2P,DG,B	AC,P2	111					
Taylor	8012VT2ProDG	VT2P,DG,B	AC,P2	112					
Taylor	8808VT2ProRIB	VT2P,B	CM,C2	108					
Taylor	8821VT2Pro	VT2P	AC,P2	110					
Taylor	EXP A-109-13	VT2P,B	AC,P2	109					
Wyffels	W6946DGRIB	VT2P,DG,B	AC,P2	111					
Wyffels	W7456RIB	VT2P,B	AC,P2	112					

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Full-Season Test Products (42 Total)

Company/Brand	Product/Brand	Technol.	Seed Trt.	RM	Company/Brand	Product/Brand	Technol.	Seed Trt.	RM
Augusta	A5664GT3000	3000GT	CM,C1	114					
Epley	E2305RR	RR2	MQ	113					
FS InVISION	FS 63ZV1 RIB	VT2P,B	AC,P2	113					
FS InVISION	FS 64SX1 RIB	STX,B	AC,P5V	114					
FS InVISION	FS 66ZV1	VT2P	AC,P5V	116					
Golden Harvest	G14R38-3000GT	3000GT	AVC,C5,Vi	114					
Golden Harvest	G16K01-3111	3111	AVC,C5,Vi	116					
Golden Harvest	G18D87-3000GT	3000GT	AVC,C5,Vi	118					
Kruger	K4R-9116	STX,B	AC,P5V	116					
Kruger	KR-4917	VT2P,B	AC,P5V	116					
Lewis	14DP857	VT2P,B	AC,P5V	114					
LG Seeds	LG5643STX	STX	AC,P5V	114					
LG Seeds	LG5650STX	STX	AC,P5V	114					
LG Seeds	LG5663VT2PRIB	VT2P,B	AC,P5V	115					
NK Brand	N74R-3000GT GC	3000GT	AVC,C5,Vi	114					
NK Brand	N78S-3111 GC	3111	AVC,C5,Vi	116					
NuTech	5N-914	3000GT	MQ,P5V,R	114					
NuTech/G2 Gen	5F-015^	AM,B	MQ,P5V	115					
NuTech/G2 Gen	5F-515^	AM,B	MQ,P5V,R	115					
NuTech/G2 Gen	5F-713^	AM,B	MQ,P5V,R	113					
NuTech/G2 Gen	X5Z-1509^	OI	MQ,P1V,R	115					
Pfister	2770RASS	STX,B	CM,C5,Vi,In	113					
Pfister	3488HR	HX,RR2	CM,C5,Vi,In	115					
Pfister	73A2SS	STX	CM,C1,Vi,In	113					
Pfister	73C1VX	HXT,RR2	CM,C1,Vi,In	113					
Pioneer	P1311AMXT CK	AMXT,B	MQ,P1V,R	113					
Prairie Brand	6367SX	STX	CM,C1,Vi,In	113					
Prairie Brand	6394RA	STX,B	CM,C5,Vi,In	114					
Renk	RK924DGV2P	VT2P,DG,B	AC,P2	114					
Renk	RK935SSTX	STX,B	AC,P5V	114					
Renk	RK941SSTX	STX,B	AC,P5V	114					
Renk	RK961SSTX	STX	AC,P5V	116					
Stine	R9741VT3Pro GC	VT3P,B	AC,P2	112					
Stine	R9808EVT3Pro GC	VT3P,B	AC,P2	114					
Taylor	8070VT2ProDG	VT2P,DG	AC,P2	112					
Taylor	8835VT2Pro	VT2P	AC,P2	114					
Taylor	EXP A-113-13	VT2P	AC,P2	113					
Taylor	EXP C-115-13	VT2P	AC,P2	115					
Wyffels	W7696RIB	VT2P,B	AC,P2	113					
Wyffels	W7888RIB	STX,B	AC,P5V	114					
Wyffels	W8268	STX	AC,P5V	116					
Wyffels	W8918	STX	AC,P5V	116					

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. VPMaxx® 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®, VPMaxx® 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)	HX	Herculex® 1, contains LL
3010	Agrisure® 3010 (CB,LL,GT)	HX,RR2	Herculex® 1, Roundup Ready 2 Corn
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)
3122	Agrisure® 3122 (CB,HXX,RW,LL,GT)	HXT,RR2	Herculex® Xtra, Roundup Ready 2 Corn
3220	Agrisure® Viptera® 3220 (Vip,CB,HX,LL,GT)	LL	LibertyLink®
A	Agrisure® Artesian®	None	conventional corn
AM	Optimum® AcreMax® (YGCB,HX,LL,RR2)	OI	Optimum® Intrasect®, YHR (YGCB,HX,LL,RR2)
AMT	Optimum® AcreMax® TRIsect (HX,RW,LL,RR2)	OIX	Optimum® Intrasect® Xtra, YXR (YGCB,HXT,LL,RR2)
AMX	Optimum® AcreMax® Xtra (YGCB,HXT,LL,RR2)	OIXT	Optimum® Intrasect® Xtreme, CYXR (YGCB,HXT,RW,LL,RR2)
AMXT	Optimum® AcreMax® Xtreme (YGCB,HXT,RW,LL,RR2)	RR2	Roundup Ready® 2 Corn
AQ	Optimum® AQUAMax®	RW	Agrisure® Rootworm
B	Refuge Blend	STX	SmartStax® (VT3P,HXT,RR2,LL)
CB	Agrisure® Corn Boreer	VT2P	Genuity® VT Double PRO®
DG	Genuity® DroughtGard®	VT3P	Genuity® VT Triple PRO®
GT	Agrisure® GT	YGCB	YieldGard® Corn Borer
GT/CB/LL	Agrisure® GT/CB/LL		

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

Corn Seed Treatments**

n/a	information not provided	In	Intego™ Solo
A	Allegiance®	L	Lorsban®
AC	Accelaron® fungicide products	Lu	Lumivia™
AChD	Accelaron® fungicide products	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	V	Votivo®
D	Dynasty®	Vi	Vibrance®
Es	Escalate®		

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