

2017 Corn Grain Top 30 Harvest Report

Missouri North [MONO] GRAHAM
Tim & Andrew Lance, Nodaway County, MO 64423



Test by: F.I.R.S.T. MSR, Inc., Columbia, MO

PREV. CROP/HERB: Soybean / 2,4-D, Roundup
SOIL DESCRIPTION: Sharpsburg silty clay loam, mod. well drained, non-irrigated
SOIL CONDITION: Minimum w/o fall till, very high P, very high K, 6.3 pH, 3.1% OM, 17.4 CEC
PEST MANAGEMENT: SureStart II, atrazine, Force
FERTILITY - Applied N: 180 Spring
Applied N-P-K (units): 180-0-0
SEEDING - RATE - ROW: May 13 34,700 /A 30" spacing
HARVESTED - STAND: Oct 31 33,500 /A

Early-Season Test
107 - 112 Day CRM
B2017MONO01a

Top 30 of 45

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	252.2	12.4	49	34.8	772	1
AgriGold	A6499STXRIB	STX,B	112	229.8	12.6	45	34.0	703	2
Pfister	71C1PCR	PC,B	111	227.2	12.2	46	32.3	695	4
Wyffels	W6898	STX	112	219.7	11.9	30	33.1	672	5
FS InVISION	FS 59VL1 EZR	3220,B	109	214.6	11.9	59	33.1	657	6
NuTech/G2 Gen	X5FN-0909^	OI	109	212.9	12.1	46	34.4	651	7
Renk	RK871VT2P	VT2P,B	111	212.5	12.1	45	34.0	650	8
NuTech/G2 Gen	X5FN-1211^	OI	112	211.8	11.8	50	33.1	648	9
Pfister	68A1RR	RR2	108	209.6	12.1	26	34.8	641	10
Renk	RK877DGV2P	VT2P,DG,B	111	207.5	11.9	54	32.3	635	11
Taylor	8808VT2ProRIB	VT2P,B	108	204.3	12.1	50	34.4	625	12
Champion	62A18VT2PRO	VT2P	112	204.1	12.0	55	32.7	625	13
FS InVISION	FS 61SV1 RIB	VT2P,B	111	202.9	12.7	100	32.7	621	14
Taylor	8821VT2ProRIB	VT2P,B	110	200.6	12.1	60	32.7	614	15
Lewis	10DP747	VT2P,B	110	197.9	12.5	57	34.4	606	16
Golden Harvest	G12W66-3000GT	3000GT	112	195.2	12.3	76	34.0	597	17
Golden Harvest	G10T63-3120-EZR	3120,B	110	192.5	11.9	88	33.1	589	18
Pfister	72C6SS	STX	112	192.2	11.9	65	33.1	588	19
LG Seeds	LG5590VT2P	VT2P	110	190.1	12.3	57	33.6	582	20
NuTech	5VN-4707	3111	107	189.3	11.9	60	31.9	579	21
Taylor	8012VT2ProDGRIB	VT2P,DG,B	112	187.4	12.7	100	33.1	573	22
AgriGold	A642-59STX	STX	112	186.7	12.3	79	33.1	571	23
MorCorn	MC3966VT2PRIB	VT2P,B	109	184.9	12.3	55	34.4	566	24
Dekalb	DKC60-88RIB GC	VT2P,B	110	184.7	12.1	66	31.9	565	25
Lewis	R1409VT2P	VT2P,B	109	184.0	12.2	79	34.0	563	26
Stine	9734-20 GC	3110	111	183.9	12.0	82	34.0	563	27
Golden Harvest	G07F23-3111	3111	107	181.9	11.7	67	33.1	557	28
NuTech/G2 Gen	5F-308^	AM,B	108	180.2	12.3	88	33.1	551	29
Taylor	EXP C-112-14	VT2P	112	179.9	12.2	94	33.1	550	30
ProHarvest	8277Stax	STX	112	179.4	12.3	81	35.3	549	31
MorCorn	MC4319VT2PRIB CK	VT2P,B	113	229.7	12.5	65	32.3	703	3

William C. Schelp
William (Bill) Schelp

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Averages =	189.6	12.1	68	33.5	580
LSD (0.10) =	22.8	ns	21		
LSD (0.25) =	12.0	ns	11		
C.V. =	11.4				Prev. years average yield, 202.9 bu/a, 3 yrs

Yield & Income Factors: Base Moisture = 15.0% Shrink = 1.3 Drying = \$0.035 Prices: GMO = \$3.06; non-GMO = \$3.06

Test Comments: Quick and even germination. Tremendous overall plant height observed mid-summer. No weeds in plots. An excellent trial at this point. August 25 site visit revealed various foliar diseases. Strong late October winds caused significant stalk lodging. Most stalks bent just below the ear. With slow careful harvest, most ears were gathered. The test has variable yield but also good stalk strength results.

† 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: 180 Spring
 Applied N-P-K (units): 180-0-0
 SEEDING - RATE - ROW: May 13 34,700 /A 30" spacing
 HARVESTED - STAND: Oct 31 33,700 /A

Full-Season Test
113 - 116 Day CRM
 B2017MONO01b

Top 30 of 45

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
Dyna-Gro	D58VC65	VT2P	118	247.3	12.3	17	33.6	757	1
FS InVISION	FS 64R44	3000GT	114	241.1	11.9	45	33.6	738	2
Pfister	73A2SSR	STX,B	113	241.0	12.3	10	34.8	737	3
Lewis	15DP878	VT2P,B	115	236.1	12.0	36	32.7	722	4
Renk	RK941SSTX	STX,B	114	235.2	12.3	15	33.6	720	5
Champion	66A18VT2PRO	VT2P	116	234.7	12.5	54	33.1	718	6
Renk	RK961VT2P	VT2P,B	116	234.0	12.5	54	32.7	716	7
Wyffels	W7976RIB	VT2P,B	113	233.7	12.7	45	33.6	715	8
Lewis	R1414VT2P	VT2P,B	114	232.8	12.3	49	35.3	712	9
AgriGold	A6544VT2RIB	VT2P,B	113	229.7	12.7	60	32.3	703	10
Renk	RK965SSTX	STX	116	229.4	12.5	29	33.1	702	11
LG Seeds	LG5650VT2PRIB	VT2P,B	115	224.9	12.6	67	34.8	688	12
FS InVISION	FS 66ZV1 RIB	VT2P,B	116	223.7	12.6	55	32.3	685	13
Champion	CSX65A17VT2PRO	VT2P	115	222.5	12.3	55	34.4	681	14
Taylor	8835VT2Pro	VT2P	114	221.6	12.9	65	33.6	678	15
AgriGold	A6652VT2RIB	VT2P,B	116	218.8	12.4	64	34.4	670	16
Pfister	3488PCR	PC,B	115	218.6	12.5	42	32.7	669	17
Golden Harvest	G14R38-3120-EZR	3120,B	114	215.7	12.4	23	34.8	660	19
Wyffels	W8646	VT2P	116	215.7	12.3	46	33.6	660	20
Wyffels	W7456RIB	VT2P,B	112	215.4	12.4	57	34.4	659	21
Taylor	EXP F-115-14	VT2P	115	212.6	12.6	64	34.0	651	22
Champion	CSX63A17DGVT2PRO	VT2P,DG	113	211.3	12.3	50	33.1	647	23
Pfister	X157137VH	PC	115	210.3	12.7	64	34.0	644	24
Taylor	T5515	STX	115	210.3	12.5	87	33.1	644	25
AgriGold	A6572VT2RIB	VT2P,B	114	208.1	12.5	49	33.1	637	26
Pfister	2874SSR	STX,B	113	207.6	12.4	65	33.1	635	27
Dyna-Gro	D55VC45	VT2P	115	201.6	12.8	75	34.4	617	28
NuTech/G2 Gen	X5FN-1306^	OI	113	199.2	12.0	55	33.6	610	29
LG Seeds	LG5643VT2PRIB	VT2P,B	114	198.8	12.4	55	35.3	608	30
Wyffels	W7696RIB	VT2P,B	113	197.4	12.7	82	32.7	604	31
MorCorn	MC4319VT2PRIB CK	VT2P,B	113	217.7	12.3	54	34.0	666	18

Averages = **207.3** **12.4** **60** **33.7** **634**

LSD (0.10) = 26.9 ns 16

LSD (0.25) = 14.1 ns 9

C.V. = 12.3 Prev. years average yield, 202.9 bu/a, 3 yrs

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Early-Season Test Products (45 Total)

Company/Brand	Product/Brand	Technol.	Seed Trt.	RM	Company/Brand	Product/Brand	Technol.	Seed Trt.	RM
AgriGold	A641-78STX	STX	AC,P5V	111					
AgriGold	A642-59STX	STX	AC,P5V	112					
AgriGold	A6499STXRIB	STX,B	AC,P5V	112					
Champion	62A18VT2PRO	VT2P	AC,P5V	112					
Champion	CSX57A16VT2PRORIB	VT2P,B	AC,P2	107					
Dekalb	DKC60-88RIB GC	VT2P,B	AC,P5V	110					
FS InVISION	FS 59VL1 EZR	3220,B	CM,C2,Vi	109					
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	G07F23-3111	3111	AVC,C2,Vi	107					
Golden Harvest	G10T63-3120-EZR	3120,B	AVC,C5,Vi	110					
Golden Harvest	G12W66-3000GT	3000GT	AVC,C5,Vi	112					
Lewis	10DP747	VT2P,B	AC,P5V	110					
Lewis	11DP768	VT2P,B	AC,P5V	111					
Lewis	R1409VT2P	VT2P,B	AC,P5V	109					
Lewis	RD1511VT2P	VT2P,DG,B	AC,P5V	111					
LG Seeds	LG5590VT2P	VT2P	AC,P5V	110					
LG Seeds	LG5618STXRIB	STX,B	AC,P5V	112					
MorCorn	MC3966VT2PRIB	VT2P,B	AC,P2	109					
MorCorn	MC4319VT2PRIB CK	VT2P,B	AC,P2	113					
NuTech	5N-410	3000GT	MQ,P5V,R	110					
NuTech	5VN-4707	3111	MQ,P1V,R	107					
NuTech	X5NN-1212	3000GT	MQ,P5V,R	112					
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	X5FN-0909^	OI	MQ,P1V,R	109					
NuTech/G2 Gen	X5FN-1211^	OI	MQ,P1V,R	112					
Pfister	68A1RR	RR2	CM,C2	108					
Pfister	70A1SSR	STX,B	CM,C5,Vi,ln	110					
Pfister	71C1PCR	PC,B	CM,C5,Vi,ln	111					
Pfister	72C6SS	STX	CM,C1,Vi,ln	112					
Pioneer	P1197AM GC	AM,B	MQ,C2,R	111					
ProHarvest	8277Stax	STX	AC,P5V	112					
Renk	RK842SSTX	STX	AC,P5V	112					
Renk	RK859DGV2P	VT2P,DG	AC,P5V	112					
Renk	RK871VT2P	VT2P,B	AC,P2	111					
Renk	RK877DGV2P	VT2P,DG,B	AC,P2	111					
Stine	9734-20 GC	3110	CM,C2	111					
Taylor	8012VT2ProDGRIB	VT2P,DG,B	AC,P2	112					
Taylor	8808VT2ProRIB	VT2P,B	AC,P2	108					
Taylor	8821VT2ProRIB	VT2P,B	AC,P2	110					
Taylor	EXP C-112-14	VT2P	AC,P2	112					
Wyffels	W6898	STX	AC,P5V	112					
Wyffels	W6946DGRIB	VT2P,DG,B	AC,P2	111					

2017 Corn Grain - Missouri North [MONO]



Full-Season Test Products (45 Total)

Company/Brand	Product/Brand	Technol.	Seed Trt.	RM	Company/Brand	Product/Brand	Technol.	Seed Trt.	RM
AgriGold	A6544VT2RIB	VT2P,B	AC,P5V	113					
AgriGold	A6572VT2RIB	VT2P,B	AC,P5V	114					
AgriGold	A6652VT2RIB	VT2P,B	AC,P5V	116					
Champion	66A18VT2PRO	VT2P	AC,P2	116					
Champion	CSX63A17DGV2PRO	VT2P,DG	AC,P2	113					
Champion	CSX64A15DGV2PRORIB	VT2P,DG,B	AC,P2	114					
Champion	CSX65A17VT2PRO	VT2P	AC,P5V	115					
Dyna-Gro	D55VC45	VT2P	AC,P5V	115					
Dyna-Gro	D58VC65	VT2P	AC,P5V	118					
Epley	E2305RR	RR2	MQ	113					
FS InVISION	FS 63ZV1 RIB	VT2P,B	AC,P2	113					
FS InVISION	FS 64R44	3000GT	AVC,C5,Vi	114					
FS InVISION	FS 64SV1 RIB	VT2P,B	AC,P2	114					
FS InVISION	FS 66ZV1 RIB	VT2P,B	AC,P2	116					
Golden Harvest	G14R38-3120-EZR	3120,B	AVC,C5,Vi	114					
Lewis	15DP878	VT2P,B	AC,P5V	115					
Lewis	16DP887	VT2P,B	AC,P5V	116					
Lewis	R1414VT2P	VT2P,B	AC,P5V	114					
Lewis	RD1613VT2P	VT2P,DG,B	AC,P5V	113					
LG Seeds	LG5643VT2PRIB	VT2P,B	AC,P5V	114					
LG Seeds	LG5650VT2PRIB	VT2P,B	AC,P5V	115					
MorCorn	MC4319VT2PRIB CK	VT2P,B	AC,P2	113					
MorCorn	MC4377DGV2PRIB	VT2P,DG,B	AC,P2	113					
MorCorn	MCXP1716	STX	AC,P5V	114					
NuTech/G2 Gen	5F-713^	AM,B	MQ,P5V,R	113					
NuTech/G2 Gen	5FB-9016^	AM,B	MQ,P5V,R	116					
NuTech/G2 Gen	X5FN-1306^	OI	MQ,P1V,R	113					
NuTech/G2 Gen	X5FN-1512^	OI	MQ,P1V,R	115					
Pfister	2874SSR	STX,B	CM,C5,Vi,In	113					
Pfister	3488PCR	PC,B	CM,C5,Vi,In	115					
Pfister	73A2SSR	STX,B	CM,C5,Vi,In	113					
Pfister	X157137VH	PC	CM,C1,Vi,In	115					
Pioneer	P1311AMXT GC	AMXT,B	MQ,C2	113					
Renk	RK924DGV2P	VT2P,DG,B	AC,P2	114					
Renk	RK941SSTX	STX,B	AC,P5V	114					
Renk	RK961VT2P	VT2P,B	AC,P2	116					
Renk	RK965SSTX	STX	AC,P5V	116					
Stine	9742-20 GC	3110	CM,C2	113					
Taylor	8835VT2Pro	VT2P	AC,P2	114					
Taylor	EXP F-115-14	VT2P	AC,P2	115					
Taylor	T5515	STX	AC,P5V	115					
Wyffels	W7456RIB	VT2P,B	AC,P2	112					
Wyffels	W7696RIB	VT2P,B	AC,P2	113					
Wyffels	W7976RIB	VT2P,B	AC,P2	113					
Wyffels	W8646	VT2P	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. VPM [®] 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 [®] , VPM [®] 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)	GT	Agrisure [®] GT
3010	Agrisure [®] 3010 (CB,LL,GT)	HX	Herculex [®] 1, contains LL
3011,A	Agrisure [®] Artesian [®] (CB,RW,LL,GT)	HXRW	Herculex [®] Rootworm, contains LL
3110	Agrisure [®] Viptera [®] 3110 (Vip, CB,LL,GT)	HXT	Herculex [®] Xtra (HX,HXRW,LL)
3111	Agrisure [®] Viptera [®] 3111 (Vip,CB,RW,LL,GT)	LL	LibertyLink [®]
3120	Agrisure [®] 3120 (CB,HX,LL,GT)	None	conventional corn
3122	Agrisure [®] 3122 (CB,HXX,RW,LL,GT)	OI	Optimum [®] Intrasect [®] , YHR (YGCB,HX,LL,RR2)
3220	Agrisure [®] Viptera [®] 3220 (Vip,CB,HX,LL,GT)	OIX	Optimum [®] Intrasect [®] Xtra, YXR (YGCB,HXT,LL,RR2)
A	Agrisure [®] Artesian [®]	OIXT	Optimum [®] Intrasect [®] Xtreme (YGCB,HXT,RW,LL,RR2)
AM	Optimum [®] AcreMax [®] (YGCB,HX,LL,RR2)	PC	PowerCore [™] (HX, VT2P)
AMT	Optimum [®] AcreMax [®] TRIsect (HX,RW,LL,RR2)	RR2	Roundup Ready [®] 2 Corn
AMX	Optimum [®] AcreMax [®] Xtra (YGCB,HXT,LL,RR2)	RW	Agrisure [®] Rootworm
AMXT	Optimum [®] AcreMax [®] Xtreme (YGCB,HXT,RW,LL,RR2)	STX	SmartStax [®] (VT3P,HXT,RR2,LL)
AQ	Optimum [®] AQUAMax [®]	VT2P	Genuity [®] VT Double PRO [®]
B	Refuge Blend	VT3P	Genuity [®] VT Triple PRO [®]
CB	Agrisure [®] Corn Borer	YGCB	YieldGard [®] Corn Borer
DG	Genuity [®] DroughtGard [®]		

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

Corn Seed Treatments**

?	information unavailable	In	Intego [™] Solo
A	Allegiance [®]	L	Lorsban [®]
AC	Acceleron [®] fungicide products	Lu	Lumivia [™]
AL2500	Alert 2500 [™]	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	SC	SHIELDCoat [™]
D	Dynasty [®]	V	Votivo [®]
Es	Escalate [®]	Vi	Vibrance [®]

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