

2013 Corn Grain Top 30 Harvest Report

Michigan South [MISO] HARTFORD

Ryan Meachum/ Meachum Family Farms, Van Buren County, MI 49057



Test by: F.I.R.S.T. NECB, Inc., Chadwick, IL

PREV. CROP/HERB: Corn, 2+ yr / Lumax
 SOIL DESCRIPTION: Sandy clay loam, moderately drained, conventional w/ fall till, non-irrigated
 SOIL CONDITION: Moderate P, moderate K, 6.4 pH, 1.8% OM
 PEST MANAGEMENT: Lumax, Force
 FERTILITY - Applied N: 40 Spring, 9 Planter, 60 Side
 Applied N-P-K (units): 109-18-9
 SEEDED - RATE - ROW: May 8 34,000 /A 30" spacing
 HARVESTED - STAND: Nov 21 31,400 /A

Early-Season Test
96 - 101 Day CRM
 B2013MISO34a

Top 30 of 36
 For Gross Income (Sorted by Yield)
 Average of (3) Replications

Company/Brand	Product/Brand†	Technol.†	Seed Treatment†	RM	Yield Bu/A	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
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Due to extremely wet soil, early-season test harvest was not completed.

Despite three harvest attempts Oct 30, Nov 6 and Nov 21, we could not get yield results from at least 2 replications in this test. Soil conditions were wet enough on Oct 30 that the combine sank to the frame. It started to rain that night before completing harvest and resaturated the soil. Despite having freezing temperatures, snow (5"+) insulated the ground to prevent soil freezing, necessary to harvest the saturated test area. Since stalk quality was poor and plants falling down, we abandoned the remaining unharvested test area.

Test Average = **31.4**
 LSD (0.10) =
 C.V. =

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Yield & Income Factors: Base Moisture = 15.0% Shrink = 1.3 Drying = \$0.025 Price = \$4.30 Local GMO n/a non-GMO

Test Comments: *Three attempts were made to harvest this site Oct 30, Nov 6 and Nov 21. On Oct 30, the crop stood well despite disease pressure from anthracnose, corn leaf blight and fusarium. Wet soil conditions made the combine sink to the frame several times before being rained out. Overall, the crop was good considering the conditions. Lodging scores were higher at the last harvest date, as stalks were weak.*

† See last page for footnote information. Dark colored row identifies the check product found in early- and full-season tests. **Bold** yields are significantly above test average. **Italicized** brands exceed the grain moisture limit for this test. **GC** = grower comparison product, **ns** = not significantly different

Additional reports and searchable database available at www.firstseedtests.com

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Report date: 12/3/2013 Revised:

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 FERTILITY - Applied N: 40 Spring, 9 Planter, 60 Side
 Applied N-P-K (units): 109-18-9
 SEEDED - RATE - ROW: May 8 34,000 /A 30" spacing
 HARVESTED - STAND: Nov 21 31,800 /A

Full-Season Test
102 - 105 Day CRM
 B2013MISO34b

Top 30 of 30
 For Gross Income (Sorted by Yield)
 Average of (3) Replications

Company/Brand	Product/Brand†	Technol.†	Seed Treatment†	RM	Yield Bu/A	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Renk	RK752SSTX	STX,B	AC,P5V	105	268.2	19.2	39	31.9	1,125	1
Seed Consultants	SCS 10HR43 GC	HX,RR2	MQ,P1V	104	266.5	20.2	5	31.9	1,111	2
Golden Harvest	G05T82-3122	3122,B	AVC,C5	105	255.5	18.2	8	31.2	1,078	3
Rupp	xr8034	3000GT	CM,C2	105	254.3	21.1	1	31.9	1,055	5
AgriGold	A6389VT3PRIB	VT3P,B	AC,P5V	105	253.6	18.8	2	31.2	1,066	4
Great Lakes	5525VT3PRO	VT3P	AC,P5V	105	250.8	18.9	18	31.9	1,054	6
NuTech/G2 Gen	3D-802AMX	AMX-R,B	MQ,C2	102	245.2	20.1	1	31.9	1,023	8
AgriGold	A6267STX	STX	AC,P5V	102	244.8	17.8	9	31.9	1,036	7
Channel	205-38STXRIB	STX,B	AC,P5V	105	241.1	17.6	39	31.2	1,021	9
Integra	5441GSSRIB	STX,B	AC,P2	104	241.0	17.5	1	31.9	1,021	10
Rupp	xrJ03-31	STX	AC,P2	103	239.9	18.3	3	31.2	1,012	11
Hyland	4687	3000GT	CM,C2	105	238.3	20.0	4	31.9	995	12
Renk	RK629VT3P	VT3P	AC,P2	102	234.5	18.7	12	31.9	987	13
Great Lakes	5283STXRIB	STX,B	AC,P5V	102	231.9	17.9	36	31.9	980	14
Hyland	8521RA	STX,B	CM,C2	105	229.4	18.8	12	31.9	965	16
Dairyland	DS9305SSX	STX	CM,C2	105	228.7	21.7	9	31.9	945	21
Great Lakes	5368VT3PRIB	VT3P,B	AC,P5V	103	228.4	18.2	9	31.9	964	17
NuTech/G2 Gen	5H-805	HX,RR2	MQ,P1V,R	105	226.9	17.5	10	31.9	961	18
Steyer	10403VT3PRO RIB	VT3P,B	SStd	104	226.2	15.6	21	31.9	969	15
Stine	9425SS	STX	AC,P2	102	224.5	18.0	22	31.9	949	20
AgriGold	A6358VT3Pro	VT3P	AC,P5V	105	224.1	16.4	7	31.9	956	19
Hyland	8636RA	STX,B	CM,C2	105	217.4	20.1	29	31.2	907	23
Renk	RK666SSTX	STX	AC,P2	102	214.9	17.3	2	31.9	912	22
Hyland	8575RA	STX,B	CM,C2	104	210.0	17.9	14	31.9	888	25
Renk	RK699SSTX	STX	AC,P2	105	209.6	19.9	0	31.9	876	28
Dairyland	DS9604SSX	STX	CM,C2	103	208.1	18.5	3	31.9	877	27
NuTech/G2 Gen	5H-502	HX,RR2	MQ,C2	102	207.6	17.2	6	31.9	881	26
NuTech/G2 Gen	5H-202	HX,RR2	MQ,C2	102	207.1	18.7	22	31.9	871	29
Seed Consultants	SCS 1032AM1 GC	AM1,B	MQ,P1V	102	197.0	17.5	25	31.2	835	30
Row intentionally blank										
Seed Consultants	SCS 10HQ02 CK	HXT,RR2	MQ,P1V	100	212.7	17.4	22	31.9	902	24
					Test Average =	231.3	18.5	13	31.8	974
					LSD (0.10) =	31.2	2.2	26		
					C.V. =	9.9	8.8			

Yield & Income Factors: Base Moisture = 15.0% Shrink = 1.3 Drying = \$0.025 Price = $\frac{\$4.30}{n/a}$ Local GMO non-GMO

Test Comments: Three attempts were made to harvest this site Oct 30, Nov 6 and Nov 21. On Oct 30, the crop stood well despite disease pressure from anthracnose, corn leaf blight and fusarium. Wet soil conditions made the combine sink to the frame several times before being rained out. Overall, the crop was good considering the conditions. Lodging scores were higher at the last harvest date, as stalks were weak.

† See last page for footnote information. Dark colored row identifies the check product found in early- and full-season tests. **Bold** yields are significantly above test average. **Italicized** brands exceed the grain moisture limit for this test. **GC** = grower comparison product, **ns** = not significantly different

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Early-Season Test Products (36 Total)

Company/Brand	Product/Brand	Technol.	Seed Trt	RM	Company/Brand	Product/Brand	Technol.	Seed Trt	RM
AgriGold	A6202VT3Pro	VT3P	AC,P5V	96					
AgriGold	A6252STXRIB	STX,B	AC,P5V	100					
AgriGold	A6257STXRIB	STX,B	AC,P5V	100					
Channel	197-33STXRIB	STX,B	AC,P5V	97					
Channel	201-39STXRIB	STX,B	AC,P5V	101					
Dairyland	DS9501SSX	STX	AVC,C2	100					
Dairyland	DS9898RA	STX,B	CM,C2	98					
Great Lakes	4879STXRIB	STX,B	AC,P5V	98					
Great Lakes	5015STXRIB	STX,B	AC,P5V	100					
Hyland	8486RA	STX,B	CM,C2	100					
Hyland	8505RA	STX,B	CM,C2	101					
Hyland	8515RA	STX,B	CM,C2	101					
Integra	5151GSSRIB	STX,B	AC,P5V	101					
Integra	9482VT3PRO	VT3P	AC,P2	98					
NK Brand	N45P-3011A	3011A	AVC,C5	101					
NuTech	5N-001	3000GT	MQ,C2	101					
NuTech	5N-197	3000GT	MQ,C2	97					
NuTech	5N-803	3000GT	MQ,C2	101					
NuTech	5N-9802	3000GT	MQ,C2	98					
NuTech/G2 Gen	3F-198AM	AM-R,B	MQ,C2	98					
NuTech/G2 Gen	5H-399	HX,RR2	MQ,C2	99					
NuTech/G2 Gen	5Z-0105	OI	MQ,P1V,R	101					
NuTech/G2 Gen	5Z-200	OI	MQ,P1V,R	100					
Pioneer	P0094AMX	AMX,B	MQ,P1V	100					
Renk	RK581SSTX	STX	AC,P2	100					
Renk	RK598SSTX	STX,B	AC,P5V	100					
Renk	RK633SSTX	STX	AC,P2	101					
Rupp	xrD00-27	VT2P,B	AC,P2	100					
Rupp	xrD97-56	VT2P,B	AC,P2	97					
Rupp	xrJ98-11	STX,B	AC,P2	98					
Seed Consultants	SCS 10HQ02 CK	HXT,RR2	MQ,P1V	100					
Steyer	10004GENSS RIB	STX,B	SStd	100					
Steyer	10102VT3PRO RIB	VT3P,B	SStd	101					
Steyer	9503VIP3111	3111	SStd	96					
Steyer	9603VT2PRO RIB	VT2P,B	SStd	96					
Stine	R9422VT3Pro	VT3P,B	AC,P2	96					

2013 Corn Grain - Michigan South [MISO]



Full-Season Test Products (30 Total)

Company/Brand	Product/Brand	Technol.	Seed Trt	RM	Company/Brand	Product/Brand	Technol.	Seed Trt	RM
AgriGold	A6267STX	STX	AC,P5V	102					
AgriGold	A6358VT3Pro	VT3P	AC,P5V	105					
AgriGold	A6389VT3PRIB	VT3P,B	AC,P5V	105					
Channel	205-38STXRIB	STX,B	AC,P5V	105					
Dairyland	DS9305SSX	STX	CM,C2	105					
Dairyland	DS9604SSX	STX	CM,C2	103					
Golden Harvest	G05T82-3122	3122,B	AVC,C5	105					
Great Lakes	5283STXRIB	STX,B	AC,P5V	102					
Great Lakes	5368VT3PRIB	VT3P,B	AC,P5V	103					
Great Lakes	5525VT3PRO	VT3P	AC,P5V	105					
Hyland	4687	3000GT	CM,C2	105					
Hyland	8521RA	STX,B	CM,C2	105					
Hyland	8575RA	STX,B	CM,C2	104					
Hyland	8636RA	STX,B	CM,C2	105					
Integra	5441GSSRIB	STX,B	AC,P2	104					
NuTech/G2 Gen	3D-802AMX	AMX-R,B	MQ,C2	102					
NuTech/G2 Gen	5H-202	HX,RR2	MQ,C2	102					
NuTech/G2 Gen	5H-502	HX,RR2	MQ,C2	102					
NuTech/G2 Gen	5H-805	HX,RR2	MQ,P1V,R	105					
Renk	RK629VT3P	VT3P	AC,P2	102					
Renk	RK666SSTX	STX	AC,P2	102					
Renk	RK699SSTX	STX	AC,P2	105					
Renk	RK752SSTX	STX,B	AC,P5V	105					
Rupp	xr8034	3000GT	CM,C2	105					
Rupp	xrJ03-31	STX	AC,P2	103					
Seed Consultants	SCS 1032AM1 GC	AM1,B	MQ,P1V	102					
Seed Consultants	SCS 10HQ02 CK	HXT,RR2	MQ,P1V	100					
Seed Consultants	SCS 10HR43 GC	HX,RR2	MQ,P1V	104					
Steyer	10403VT3PRO RIB	VT3P,B	SSid	104					
Stine	9425SS	STX	AC,P2	102					

Footnotes and Abbreviation Descriptions

Brand Footnotes

^	G2® brand seed is distributed by NuTech Seed, LLC. HPT® brand seed is distributed by Hoegemeyer Hybrids, Inc. 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®, RPM®, Supreme EX®, VPMaXX® and XL® are registered trademarks of DuPont Pioneer.
CK	Identifies a check product included in early- and full-season tests.
GC	Grower Comparison product included by F.I.R.S.T. when space permits.

Corn Technologies*

3000GT	Agrisure® 3000GT (CB,RW,LL,GT)	GT/CB/LL	Agrisure® GT/CB/LL
3011A	Agrisure® Artesian® (CB,RW,LL,GT)	HX	Herculex® 1, contains LL
3110	Agrisure® Viptera® 3110 (Vip, CB,LL,GT)	HX,RR2	Herculex® 1, Roundup Ready 2 Corn
3111	Agrisure® Viptera® 3111 (Vip,CB,RW,LL,GT)	HXRW	Herculex® rootworm, contains LL
3122	Agrisure® 3122 (CB,HXX,RW,LL,GT)	HXT	Herculex® Xtra (HX,HXRW,LL)
3220	Agrisure® Viptera® 3220 (Vip,CB,HX,LL,GT)	HXT,RR2	Herculex® Xtra, Roundup Ready 2 Corn
AM	Optimum® AcreMax® (YGCB,HX,LL,RR2)	LL	LibertyLink®
AM-R	Optimum® AcreMax® (YGCB,HX,RR2)	None	conventional corn
AM1	Optimum® AcreMax®1 (HXT,LL,RR2)	OI	Optimum® Intrasect® (YGCB,HX,LL,RR2)
AMRW	Optimum® AcreMax® Rootworm (HXRW,LL,RR2)	OIX	Optimum® Intrasect® Xtra (YGCB,HXT,LL,RR2)
AMRW-R	Optimum® AcreMax® Rootworm (HXRW,RR2)	OIXT	Optimum® Intrasect® Xtreme (YGCB,HXT,RW,LL,RR2)
AMX	Optimum® AcreMax® Xtra (YGCB,HXT,LL,RR2)	OT	Optimum® TRIssect® (HX,RW,LL,RR2)
AMX-R	Optimum® AcreMax® Xtra (YGCB,HXT,RR2)	RR2	Roundup Ready® 2 Corn
AMXT	Optimum® AcreMax® Xtreme (YGCB,HXT,LL,RR2)	STX	SmartStax® (VT3P,HXX)
B	Blended seed (i.e. refuge blend)	VT2P	Genuity® VT Double Pro®
CB/LL	Agrisure® CB/LL	VT3	YieldGard VT Triple®
CB/LL/RW	Agrisure® CB/LL/RW	VT3P	Genuity® VT Triple Pro®
GT	Agrisure® GT	YGCB	YieldGard® Corn Borer

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

Corn Seed Treatments**

?	information not provided	MQ	Maxim Quattro®
A	Allegiance®	None	untreated
AC	Acceleron® fungicide products	P2, P5, P1	Poncho® at 0.25, 0.5 and 1.25 mg ai/seed, respectively
AVC	Avicta® Complete Corn	R	Raxil® (tebuconazole)
C2, C5, C1	Cruiser® at 0.25, 0.5 and 1.25 mg ai/seed, respectively	SStd	SureStand™
CE	Cruiser Extreme®	St	Stamina® (pyraclostrobin)
CM	CruiserMaxx® Corn	T	Trilex® (trifloxystrobin)
D	Dynasty® (azoxystrobin)	V	Votivo®
Es	Escalate®	Z	zinc
M	Maxim XL®		

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