

Newsletter Highlights

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ASABE WISCONSIN SECTION

The Newsletter of the Wisconsin Section of
the American Society of Agricultural
Engineers



*The Society for engineering
in agricultural, food, and
biological systems*

www.wiasabe.org

October 2011

2011-2012 Editor: Bill Bassett
email:

bill.bassett@kuhn.com

ASABE WI Section 2011-2012

Chair

Tim Koch
Schreiber Foods, Inc
(920) 988-2408

2010-2011 Past Chair

Damion Babler
Kuhn North America, Inc.
(608) 897-2131

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John Deere Horicon Works
(920) 485-5074

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Amanda Crowe
USDA-NRCS
(608) 576-7651

Vice Chair Membership

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USDA-ARS
(608) 890-1320

Vice Chair Public Relations

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Kuhn North America, Inc.
(608) 897-2131

Vice Chair Career Development

Nathan Ryan
Gehl Company
(262) 334-9333

Secretary and Treasurer

Jeff Marggi
Kuhn North America, Inc.
(608) 897-2131

Webmaster

Nate Dudenhoeffer
Dudenhoeffer Agricultural Technology
(608) 432-5617

WISCONSIN SECTION MEETING WEDNESDAY, OCTOBER 5TH 2011 WORLD DAIRY EXPO

The ASABE Wisconsin Section meeting will be held on Wednesday, October 5th in conjunction with the World Dairy Expo. The show is held every year at the Alliant Energy Center in Madison. The show runs from Tuesday October 4th – Saturday October 8th, with exhibits open from 9:00am to 5:00pm.

The show features modern dairy equipment and the newest dairy technology and innovations, including animal health supplies, milking systems, feeding products, forage handling and manure equipment plus embryos, semen and genetic research. It also has North America's top dairy cattle competing for honors in seven breed shows.

The show will be followed at 2:00pm by a tour of Briess Malting in Waterloo. Briess Malting is one of the few family owned companies in the world and handcrafts more specialty malts, brewers grade malt extracts, brewers flakes, and other ingredients for brewing beer.

The tour will be followed by a social hour at 4:00 at Carp's Landing in Lake Mills, a presentation on Hops by James Altweis from Gorst Valley Hops at 5:00, a buffet style dinner including smoked brisket and baked chicken at 6:00 and a business meeting.

Schedule of Events/Information

World Dairy Expo

The Alliant Energy Center, Madison, WI

Exhibit Hours: 9:00am-5:00pm

Show and Judging Hours: See www.worlddairyexpo.com for specific times

Admission is \$8/person or \$25 for a season pass. Parking is free.

Briess Malting Tour - **2:00-3:00**

901 West Madison St. Waterloo, Wisconsin 53590 (920) 478-2166

www.briessmalting.com

This information was taken from the Briess Malting website:

In the early 1990s try as we might, we simply couldn't make **enough malt** to keep up with the rapidly growing U.S. craft brewing industry. So we did what anyone else would have. We bought another malthouse.

Just the right size - Of course, being a specialty malting company meant we didn't want a large malthouse that churns out massive amounts of commodity base malt. As **luck** would have it, a malthouse just a little over a stone's throw away from our Chilton, Wisconsin, location came up for sale.

Its size fit our needs quite well, so the late Roger Briess purchased the malthouse in **Waterloo, Wisconsin**, about a 2 hour drive from Chilton.

Originally built in 1902, just a year after the Chilton malthouse had been built, the Waterloo malthouse experienced some difficulties in its early years including financial problems and a fire that **completely destroyed** it in 1907. More fires and other difficulties lead to its closure throughout all of Prohibition.

Let the good times roll - The **end of Prohibition** of 1933 spelled good times for the Waterloo malthouse, which was remodeled, expanded and began operating again. The facility again changed hands and underwent several renovations prior to its purchase by Briess in **1995**.

Two years after purchasing it, a **new roasting operation** with multiple drum roasters was built directly next to the Waterloo malthouse, making the Waterloo malting operation capable of producing the entire line of Briess specialty malts.

In 2005, supply was outpacing demand for malt and the Waterloo malthouse was closed. In 2008, after setting idle for three years, Briess re-commissioned the malthouse, after an extensive remodeling project, in response to increased demand for malt.

In reopening the malthouse, Director of Malting Operations Dave Kuske said, "We recognized the shift in supply and demand on a global scale. And we recognized the supply shortages this could cause to smaller, craft breweries. Our focus is the **North American craft brewing industry**, and we want to assure an adequate supply of specialty malts for them."

“The Waterloo facility is unique in the flexibility it provides us,” Briess President Chief Operating Officer Gordon Lane said at the time the malthouse reopened. “The plant is capable of producing a wide range of specialty malted products. And we’re also pleased that a number of skilled malthouse operators rejoined the company which made it possible to produce immediately after renovations were completed.”

Today, the Briess malthouse in Waterloo is operating at capacity. Other features at the plant include railroad service for cost effective transportation of raw materials and finished goods, and an environmentally friendly waste water treatment system.

Social Time / Presentation / Dinner / Business Meeting

Carp’s Landing

103 S. Main St. Lake Mills, WI 53551 (920) 648-3005

www.carpsslanding.com

Social time: 4:00 – 5:00 pm

Program Speaker: 5:00 – 6:00 pm

Topic: “A brief background on hops and equipment challenges associated with production”

James Altweis – Director at Gorst Valley Hopps

www.gorstvalleyhops.com

James is a horticulturist by education, obtaining his masters degree from the University of Wisconsin-Madison focusing on energy balance within high value crop production. This led to a position with an agricultural chemical company where James designed and executed field research studies on dozens of high value crops all over the world.

His time spent in commercial agriculture granted James years of experience in working with

growers directly, understanding the practical and technical aspects of high value crop production as well as the business and financial side. He learned early on that no matter how innovative or technically successful an idea may be if it cannot be translated into value to the grower it has little chance of success.

In his travels James studied various crop production and distribution systems, making note of what provided the most value to the growers while minimizing energy inputs and promoting sustainability. Eager to impliment his ideas at home, he spent a great deal of time researching high value crops that could be grown in the Upper Midwest. It was during this period that the hops market underwent a large fluctuation and numerous brewers in the region were having difficulty securing the raw materials they needed. James knew that hops were once produced in Wisconsin and could be once again.

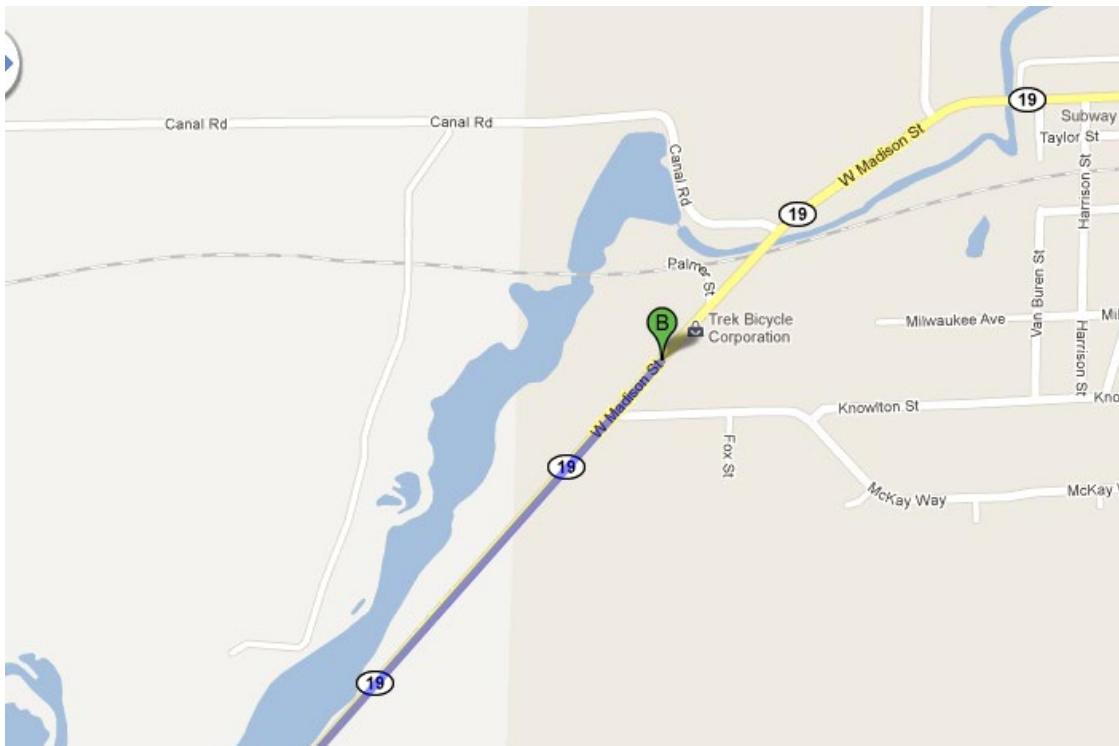
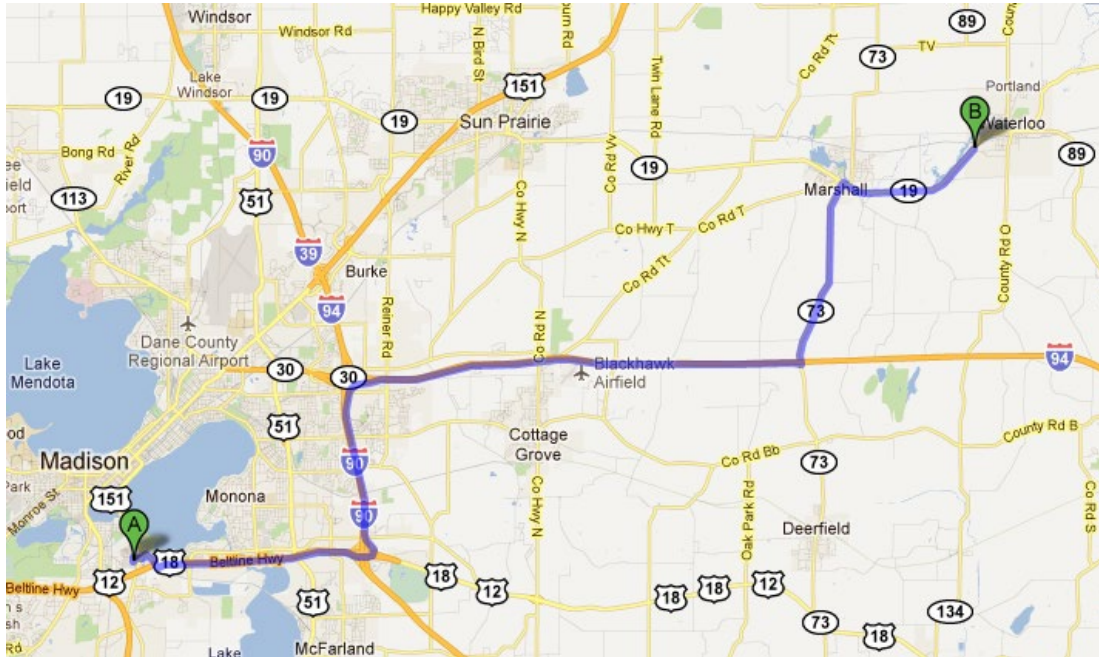
James has a bachelors degree in biology with a focus in molecular chemistry from the University of Toledo, in Toledo Ohio.

Dinner: 6:00 pm

Business Meeting: 7:00 pm

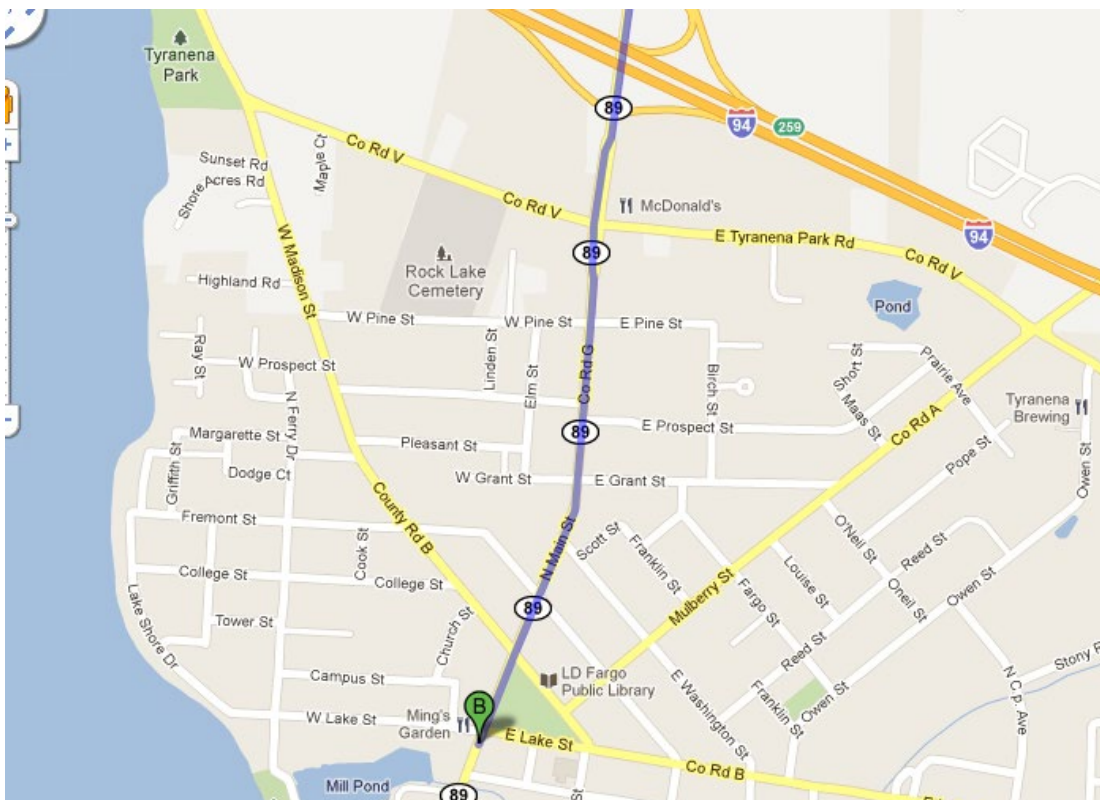
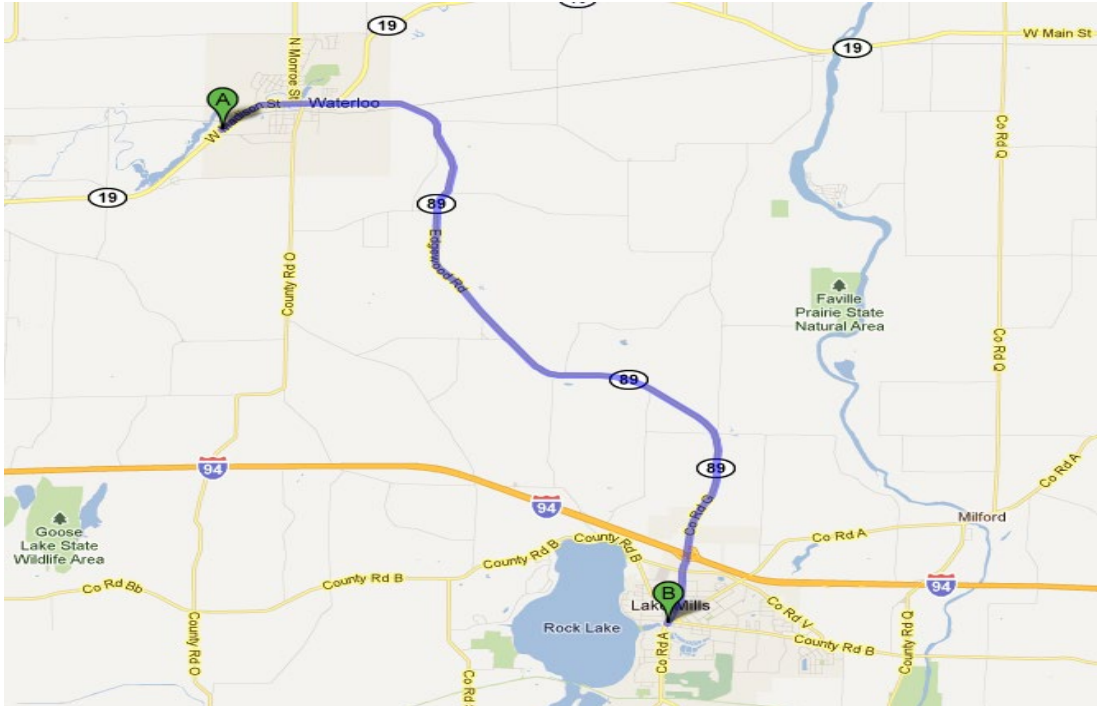
Directions to Briess Malting

Address - 901 West Madison St. Waterloo, Wisconsin 53590
Takes about 35 minutes from Alliant Energy Center



Directions to Carp's Landing

Address - 103 S. Main St. Lake Mills, WI 53551
Takes about 15 minutes from Briess Malting



“Call for Section Award Nominations”
Contact: Amanda Crowe

This year the Wisconsin Section of the ASABE will recognize outstanding achievement during their spring meeting on *March 28th 2012, near Oshkosh WI*. Wisconsin Section awards scheduled to be given in 2012 include:

- Agricultural and Biological Systems Engineering Young Engineer Award
- Wayne G. Russell Award
- Biological Systems Engineering Student of the Year
- Agricultural Engineering Technology Student of the Year
- Biological Systems Engineering Graduate Student of the Year

The purpose, eligibility and nomination procedures for each award are listed below. All nominations/suggestions should be forwarded to Amanda Crowe, this year's Vice Chair of Awards.

NEW THIS YEAR: Award Recipients will be asked to submit 5-10 pictures with captions for a slide show to be shown during the Awards Ceremony!

Although deadline for nomination of these awards is **February 3rd**, now is the time to begin submitting nominations.

If you are aware of someone who is deserving of an award, but need assistance or are unable to complete the nomination please contact Amanda Crowe!

Without your recommendations and assistance, those most deserving of our awards may go unrecognized.

Amanda Crowe
USDA-NRCS
820 Industrial Drive, Suite 3
Sparta WI 54656
Phone 608.269.8136 Ext. 120
E-Mail amanda.crowe@wi.usda.gov

WISCONSIN SECTION OF ASABE
AGRICULTURAL AND BIOLOGICAL SYSTEMS ENGINEERING
YOUNG ENGINEER AWARD

Purpose: This award is to honor a young Wisconsin Section member for outstanding contributions to the advancement of the Agricultural and Biological Systems Engineering profession. The selection will be based on a candidates' total accomplishments as an engineer and not just on their activities during the past year.

Eligibility: The recipient must be a member of the Wisconsin Section of the ASABE in good standing and under the age of 40 as of January 1 of the year in which the award is to be made.

Nomination Procedures: Nominations can be made by an individual (member or nonmember), group, company, or organization. Suggested data and areas of activity to be considered in preparing a nomination include:

1. Candidate's name, address and phone number.
2. Employment history including titles and duties.
3. Activities in ASABE. Offices held, committee activity, special awards, special duties, Section activities, etc.
4. Activities and membership in other professional and scientific societies or organizations. Membership, offices held, committee activities, special awards, special assignments, etc.
5. International professional activities.
6. Registration as a professional engineer.
7. Accomplishments. Patents held, research development, methods and procedures developed, responsibilities in the development of equipment, structural systems, conservation methods, food processes, etc.
8. Publications, lectures, addresses, professional and scientific papers, books, bulletins, industrial publications and magazine articles.
9. Other desirable qualifications not included in the above suggestions.

A cover letter from the nominator, not to exceed 400 words, should be added to the above information summarizing the reasons for the nomination.

Wisconsin Section of ASABE
WAYNE G. RUSSELL AWARD

Purpose: To recognize an individual or organization demonstrating exceptional commitment to helping the Wisconsin agriculture industry adopt new electric technology, farmstead mechanization and farm equipment. The award is named after the late Wayne G. Russell, former Rural Promotion Manager for Wisconsin Power & Light, who formulated the idea for the Electric Power and Equipment Farm Show in the late 1950's. Through Mr. Russell's efforts, the show has grown to become one of the most successful indoor farm equipment shows in the country. The award is co-sponsored by Wisconsin Power & Light and the Midwest Farm Equipment Association.

Eligibility: There are no specific eligibility requirements.

Nomination Procedures: Nominations can be made by an individual (ASABE member or nonmember), group, company, or organization. All nominations should be accompanied by a type written summary (maximum length of two pages) describing the candidates major contributions to Wisconsin's agricultural industry.

WISCONSIN SECTION OF ASABE
BIOLOGICAL SYSTEMS ENGINEERING STUDENT OF THE YEAR

Purpose: To honor an undergraduate Biological Systems Engineering student for achievement in preparation for a career in the profession. A \$150 monetary award is included in addition to the recognition.

Eligibility: The recipient must be enrolled in a Biological Systems Engineering program, must be a member of an authorized ASABE Student Branch, a national member (student or otherwise) of the ASABE, and must be making satisfactory progress toward a Bachelor's degree (as determined by the Student Branch faculty advisor). Students who have graduated prior to January 1 of the year in which the award is to be made are not eligible. Thus to be eligible for the awards being given in 2012, a student cannot have graduated prior to January 1, 2012.

Nomination Procedures: To be considered for this award, the candidate must submit a maximum of a one page typewritten summary describing the following:

1. ASABE Student Branch activities,
2. Campus wide activities and community service,
3. Scholastic achievement, and
4. Career goals.

The four areas within the summary will be equally weighted by the selection committee.

WISCONSIN SECTION OF ASABE
AGRICULTURAL ENGINEERING TECHNOLOGY STUDENT OF THE YEAR

Purpose: To honor an undergraduate student enrolled in an Agricultural Engineering Technology, Agricultural Mechanization, or Agricultural Mechanization and Management program for achievement in preparation for a career in the profession. A \$150 monetary award is included in addition to the recognition.

Eligibility: The recipient must be enrolled in an Agricultural Engineering Technology, Agricultural Mechanization, or Agricultural Mechanization and Management program, must be a member of an authorized ASAE Student Branch, a national member (student or otherwise) of the ASABE, and must be making satisfactory progress toward a Bachelor's degree (as determined by the Student Branch faculty advisor). Students who have graduated prior to January 1 of the year in which the award is to be made are not eligible. Thus to be eligible for the awards being given in 2012, a student cannot have graduated prior to January 1, 2012.

Nomination Procedures: To be considered for this award, the candidate must submit a maximum of a one page typewritten summary describing the following:

1. ASABE Student Branch activities,
2. Campus wide activities and community service,
3. Scholastic achievement, and
4. Career goals.

The four areas within the summary will be equally weighted by the selection committee.

WISCONSIN SECTION OF ASABE
BIOLOGICAL SYSTEMS ENGINEERING GRADUATE STUDENT OF THE YEAR

Purpose: To recognize a Biological Systems Engineering graduate student for singular achievement in developing and/or advancing the technology of engineering for food and agriculture. A \$150 monetary award is included in addition to the recognition.

Eligibility: The recipient must be a national ASABE member (student or otherwise) and must be making satisfactory progress toward a Masters or Ph.D. degree, or have recently completed said degree requirements. Students who have graduated prior to July 1 of the year previous to the year in which the award is to be made are not eligible. Thus to be eligible for the award being given in 2012, a student cannot have graduated prior to July 1, 2011.

Nomination Procedures: To be considered for this award, candidates must submit a two page type written summary.

The first page should contain the following data:

1. Candidate's Name, Address, and Current Position.
2. Professional Activities (summary of candidates' involvement in ASABE and other professional activities at a local, state, national, and/or international level). (10%)
3. Scholastic Achievement. (15%)
4. Publications and Presentations (list of lectures, addresses, professional and scientific papers, bulletins, magazine articles, etc.). (10%)
5. Career Goals. (5%)

The second page, entitled "Research Description" should contain:

6. The Nature of the Problem (an introduction to the research and description of the problem(s) to be solved). (10%)
7. Solution Procedures (a description of: experimental procedures, methods used, and/or approaches taken to solve the problem(s)). (25%)
8. Research Conclusions and Significance of the Results. (25%)

Pages 1 and 2 of the written summary will be weighted by the selection committee according to the percentages given in the parentheses.

Secretary's Report

01 SEPTEMBER 2011

The July 13th ASABE Wisconsin Section meeting was held in conjunction with the Wisconsin Farm Technology Day's in Marshfield.

Following the show members and guests attended the WALSAA picnic held at the Marshfield Agriculture Research Station located in Stratford. Along with food and beverages provided by WALSAA, attendees were also able to take wagon ride tours of the heifer facility and crop test plots located on the research station's property.

There was no formal business meeting.

Respectfully Submitted,

Jeffrey M. Marggi
ASABE Wisconsin Section Secretary 2010-2011

Treasurer's Report

01 SEPTEMBER 2011

Opening Balance **\$7,701.14**

Revenue:

<u>Date</u>	<u>From</u>	<u>Memo</u>	<u>Amount</u>
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Total: \$0.00

Expenses:

<u>Date</u>	<u>To</u>	<u>Memo</u>	<u>Check #</u>	<u>Amount</u>
07/13/2011	WALSAA	FTD Picnic	596	\$90.00

Total: \$90.00

Closing Balance **\$7,611.14**

Respectfully Submitted,

Jeffrey M. Marggi
ASABE Wisconsin Section Treasurer 2010-2011

REGISTRATION
WORLD DAIRY EXPO / BRIESS MALTING TOUR
OCTOBER 5th, 2011

	Number Attending	Cost	Total
Tour of Briess Malting – 2:00 pm	_____	Free	
Dinner @ Carp's Landing – 6:00 pm	_____	\$20.00/person students free	\$ _____

Information:

Name(s): _____

Address: _____

City/Town: _____ State/Zip _____

Telephone: (____) _____ - _____ FAX: (____) _____ - _____

e-mail: _____

Return completed form and send by **September 28th** to:

Dan Thiemke

ASABE Wisconsin Section Program Chair

[John Deere Horicon Works](#)

300 North Vine Street

Horicon, WI 53032

P: 920-485-5074

F: 920-485-5169

ThiemkeDanielB@JohnDeere.com