JANUARY 2021 Shawano County Ag Newsletter

University of Madison Division of Extension





SHAWANO COUNTY

Extension UNIVERSITY OF WISCONSIN-MADISON

Shawano County Extension 311 North Main Street Shawano, WI 54166 (715) 526-6136

<u>Hours:</u> Monday- Friday 8:00 AM - 4:30 PM

Facebook and Twitter: @AgShawano

<u>Website:</u> shawano.extension.wisc.edu

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Hello All!

Happy New Year! A new year always brings thoughts of new beginnings and I think we are all looking forward to the beginnings of a less eventful year in 2021.

Earlier this year Extension updated the Agriculture County Impact publications. These publications break down what the economic impact agriculture has in individual counties in a easy to digest manner. I had meant to share Shawano's publication in my newsletter when they came out but like many things this year, it was overshadowed by information on COVID 19 and programs related to the pandemic. It has now been included in this newsletter along with information on upcoming webinars for the CAFO Update, Focus on Forage webinar series, Cow College and various other programs. Additionally, there is a WiscWeeds Research Update article.

In my last newsletter I had information on how Private Applicator Training would be done this year. Since then we received an update from DATCP which extends private applicators with certifications expiring after Jan 31, **2020** to Dec 31, **2021**. This means your certification will be extended until Dec. 31, 2021 if it was set to expire this year. You no longer need to purchase a manual and take the test online or in person. A correction letter was sent out but wanted to make sure the message got out in case it was missed. My apologies for any confusion.

Wishing you a great start to 2021!

Unteter Schmidt

Kimberly Schmidt Agriculture Educator 608-265-1144 email: kimberly.schmidt@wisc.edu



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Upcoming Meetings

series <u>a n n u a l</u> <u>C A F O</u> update

hosted by UW-Madison Extension in collaboration with WI Department



02.02.21 first permit considerations







nutrient management

02.04.21 production area management







Registration link: https://go.wisc.edu/p241p7



This year's Wisconsin Cover Crop Conference may look a little different, but we promise to still bring you the valuable content you have come to expect from this conference.

Topics include moving forward through adversity, cover crops for weed management, growing small grains, and the economic and environmental benefits of rotational grazing.

For more information on the conference and registration visit this webpage: https://fyi.extension.wisc.edu/covercrop/

Thank you to our planning team! County tests Calumet Country GRONOMY Diederich

FOX-WOLL

GREAT LAKES GREEN BAY

Thank you to our speakers!

Lamers Dairy Advanced Ag Systems Wayside Dairy LLC Holsum Dairies Diederich Farm LLC

Forage Innovations GPS Dairy Consultants NRCS Dallman East River Dairy



Lower Fox Farmer Roundtable

January 26, 2021 9-11:30 am

We will be virtual this year! Breakout sessions will be held in subsequent weeks.

Check out agenda on back!

Register Online: http://FWWA.org/LFRfarm Questions? Contact Emily! Emily@fwwa.org or 920-851-6472

Tuesday 26, 2021

Lower Fox Farmer Roundtable 9-9:30 am Welcome & Updates 9:30-10:30 am Farmer Panel 10:30-11:30 am Keynote Speaker: Tom Kilcer

Learn about alternative forages and hear about conservation lessons learned

February 2 9 - 10 am Breakout #1: Manure Management

Hear about John Vandenboom's experience with digestors and solids

February 9 9 - 10 am Breakout #2: Grazing

Learn about grazing from Adam Abel and hear about Dan Diedrich's experience implementing grazing on his farm

February 16 9 - 10 am Breakout #3: Irrigation

Hear from John VandenBoom and Nick Dallmann about their experiences using pivot irrigation and irrigation guns

Registration link: <u>http://FWWA.org/LFRfarm</u>

Upcoming Meetings cont.

DISCOVERY FARMS



Discovery Farms Conference

Discovery Farms Virtual Conference Wednesdays thru January

Keeping up with your conservation goals through change and challenge The Discovery Farms Programs in Wisconsin and Minnesota are excited to bring to you a virtual conference series this winter. Join us on seven Wednesdays for one hour each week as we cover topics like water quality, soil health, climate change and more! Register for FREE and see the agenda at: <u>https://discovery-</u> farms-conference.constantcontactsites.com/ CEUs will be available!



Registration for the 2021 Wisconsin Agribusiness Virtual Classic (January 11-14, 2021) is officially open. There are over 25 CCA credits available, and with only one session running at a time, attendees can earn all of them! Features of this year's event include:

- An interactive trade show that is accessible 24/7 all four days of the Classic.
- Forty-five educational breakout session topics covering areas of interest for everyone.
- An outstanding opening general session with great keynote presentations
- The same great silent auction attendees have come to love, with all proceeds going to the WABA Scholarship Program.
- Sponsor videos, awards program, scholarship recipient recognition, WABA Annual Membership Meeting and so much more!

More information and registration here: <u>https://agclassic.org/documents.html</u>

Hay Market Report December 14, 2020

Data Compiled by: Richard Halopka, Clark County Extension Crops & Soils Agent Publushied on: <u>https://fyi.extension.wisc.edu/forage/h-m-r/</u>

Hay Grade	Bale type	Price (\$/ton)		
		Average	Minimum	Maximum
Prime (> 151 RFV/RFQ)	Small Square	\$249.00	\$170.00	\$320.00
	Large Square	\$200.00	\$95.00	\$325.00
	Large Round	\$146.00	\$75.00	\$200.00
Grade 1 (125 to 150 RFV/RFQ)	Small Square	\$204.00	\$135.00	\$240.00
-	Large Square	\$149.00	\$85.00	\$220.00
	Large Round	\$131.00	\$85.00	\$175.00
Grade 2 (103 to 124 RFV/RFQ)	Small Square	No Reported Sales		
	Large Square	\$121.00	\$85.00	\$175.00
	Large Round	\$101.00	\$85.00	\$125.00
Grade 3 (87 to 102 RFV/RFQ)	Small Square	No Sales Reported		
	Large Square	\$88.00	\$65.00	\$95.00
	Large Round	\$79.00	\$50.00	\$100.00

Demand and Sales Comments

The hay market has a very good supply of hay for the first week of December. Nice weather in the Midwest may be limiting hay demand in some areas. Dairy quality hay is in demand and prices are steady. Lower quality hay prices are slipping as winter begins. If you need forage or have forage to sell or straw, connect to the Farmer-to-Farmer webpage at http://farmertofarmer.uwex.edu/. You may contact your local county agriculture educator if you need help placing an ad. There is no charge for the service.



2021 Agronomy Update VIRTUAL MEETINGS

The 2021 Agronomy Update Meetings will be virtual this year due to COVID-19. The meetings will present the latest information on hybrid/variety performance, an analysis and discussion of last year's growing season, and updated recommendations for field crop production. CEUs will be offered in Crop Management for Certified Crop Advisers. There is no charge for this event, but registration is required. There are two sessions to choose from, both sessions will present the same information. Please choose the one that best fits your schedule.

Presenters

Joe Lauer UW-Madison Corn Agronomist

2020 weather impact on corn performance What has 20-yrs of strip-tillage research shown us for corn production? The impact of environment on corn silage

yield and quality

Shawn Conley

UW-Madison Soybean and Small Grain Agronomist

Agronomically optimal soybean seeding rates and associated risk across North America

Does precision planting matter in soybean? Wheat grain and straw yield, grain quality and disease benefits associated with increased management intensity

Matt Akins and Kevin Jarek

UW Assistant Scientist/Dairy Extension Specialist and UW Crops and Soils Agent

Wisconsin's Forage Landscape - What Do the Trends Tell Us and What Does This Mean to Farmers?

Please make your online registration by January 3, 2021

Tuesday January 5th 9:00 am-11:50 am

OR

Thursday January 7th 1:00 pm-3:50 pm

Moderators Bill Halfman

Monroe County Agriculture Educator william.halfman@wisc.edu 608-269-8722

Josh Kamps Lafayette County Agriculture Educator joshua.kamps@wisc.edu 608-776-4820 Registration link: https://go.wisc.edu/f44ix5

> FREE EVENT! 3 CEU Credits in Crop Management have been approved for each session!

This program is sponsored by the University of Wisconsin-Madison Division of Extension and University of Wisconsin-Madison College of Agricultural and Life Sciences. An EEO/AA employer, University of Wisconsin-Madison Division of Extension provides equal opportunities in employment and programming, including Title VI, Title IX, the Americans with Disabilities Act (ADA) and Section 504 of the Rehabilitation Act requirements.





Cow College 2021

ALL sessions are ONLINE View at home or at the FVTC Clintonville Regional Center - Registration Required -

January 13, 2021 Webinar - 12:00 pm - 1:00 pm with Q/A at 1 pm

Is Robotic Milking Right for You? Economics of AMS for the Family Farm

Dr. James Salfer, University of Minnesota Extension

January 20, 2021 Webinar - 12:00 pm - 1:00 pm with Q/A at 1 pm

Does She Grow or Should She Go? Heifer Inventory Management

Tina Kohlman, UW-Madison, Extension Fond du Lac County

Why Building Mature Heifers Matter

+ Dr. Gavin Staley, Diamond V

January 27, 2021 Virtual Farm Tours and Discussion - 8:00 pm - 9:00 pm

Feeding a Grain Mix in the Robotic Box – Townline Acres, Birnamwood Robotic Group Calf Feeding – Wichman Farms, Inc., Appleton 2021 Feeds Update Palmer Amaranth in Cotton Seed

Register for one or all FREE virtual meetings at: https://go.wisc.edu/91xc62

Or by calling Extension Shawano County at 715-526-6136

Registrations must be received by 5 pm the night before the meeting

Questions? Extension Shawano County Extension Outagamie County 920-832-4763

715-526-6136







The University of Wisconsin-Madison Division of Extension provides affirmative action and equal opportunity in education, programming and employment for all qualified persons regardless of race, color, gender, creed, disability, religion, national origin, ancestry, age, sexual orientation, pregnancy, marital or parental, arrest or conviction record or veteran status

SAVE THE DATES SAVE THE DATES FOCUS ON FOLOS Optimizing forage production in Wisconsin





Join us for a free 7-part webinar series on growing forages in Wisconsin.

We will hear from World Forage Superbowl Champions and Extension experts on strategies to optimize forage yield, quality, and profitability!

Wednesdays 12:30 to 1:30 pm

January 13

Registration required (link coming soon) CCA CEUs will be available!

January 20	Alfalfa
January 27	Grass and Mixed Grass Forages
February 3	Small Grain Forages
February 10	Tom Kilcer (Advanced Ag Systems)
February 17	No Webinar
February 24	ТВА
March 3	ТВА

Corn Silage

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FARM READY RESEARCH view topics and register for the winter webinar series



Farm Ready Research is Extension's agriculture winter webinar meeting series for farmers and ag professionals. Join the webinars to learn the most up-to-date information on topics from dairy and livestock production to farm management resources. Sessions begin December 2020 and run through April 2021. A list of sessions in January and February are below.

Badger Dairy Insights on the following Tuesdays from 1:00-2:30 pm :

- Jan. 5: Feeding for profits nutrient digestibility and milk components
- Jan. 12: Preparing for an Emergency
- Jan. 26: Emerging Reproductive Strategies: Using IVF embryo transfer
- Feb. 2: Animal care on the farm and beyond
- Feb. 9: Preventing Injuries When Working with Cattle
- Feb. 16: Getting the Most Out of Your Farm's Data
- Feb. 23: Getting the most out of your Forages

Farm Management Fridays on the following dates from 11:00 am - 12:00 pm :

- Jan. 8: Navigating Your Farm Business through 2021
- Jan. 15: In it for the long haul Cash flow during a Crisis
- Jan. 22: Farm-gate Economic Outlook forum
- Feb. 5: Standing Strong and Resolute as a Guardian of Your Equity
- Feb. 19: Is Fair Equal?

Wisconsin Beef Special Edition on the following Tuesdays from 7:00-8:30 pm:

- Jan. 12: An Update on Mineral and Vitamin Needs for Beef Cattle
- Feb. 9: Management of Newly Weaned Calves in the Feedlot
- Feb. 23: A Threat for the Health and Production of Cattle in Beef Operations

Small Small Ruminant Webinar Series:

• Jan. 20 from 7:30 – 9:00 pm: Basic Lambing Skills for the Beginning Shepherd

Register for all webinars here:

https://extension.wisc.edu/agriculture/farm-ready-research/



Influence of Sulfentrazone and Metribuzin Applied Preemergence on Soybean Development and Yield¹

Take Home Message

- PRE-emergence (PRE) herbicides like sulfentrazone (PPO-inhibitor) and metribuzin (PSII-inhibitor) are important tools for control of troublesome weed species with extended emergence window such as waterhemp.
- Early-season herbicide injury is a concern of soybean producers who adopt metribuzin and/or sulfentrazone PRE in soybeans.
 Sulfentrazone reduced soybean green canopy vegetation at the V2 growth stage and final plant stand at crop physiological maturity but did not reduce grain yield in this study.

Introduction

ue to widespread occurrence of glyphosate-resistant (GR) weeds, soybean producers are once again reintroducing PRE herbicides to their weed control programs. Effective PRE herbicides protect crop yield loss from early season weed competition and allow for more timely POST herbicide applications (Butts et al. 2017; Knezevic et al. 2019; Tursun et al. 2016). Although soil-applied PPO (sulfentrazone, flumioxazin) and PSII (metribuzin) inhibitor herbicides are labeled and commonly recommended as PRE herbicides for soybean, there is a concern that these herbicides may cause early-season soybean injury and affect yield. Adequate soil moisture is necessary for both PRE activation and for subsequent availability in soil solution for effective weed control. However, when soil conditions are cool and wet for extended periods of time during crop emergence, the ability of soybean to metabolize PRE herbicides is reduced, which leads to increased potential for crop injury (Moomaw and Martin 1978; Niekamp et al. 2000; Osborne et al. 1995). In addition, precipitation during the "soil cracking" stage of emergence can result in splashing of higher concentrations of PPO-inhibitor herbicides onto soybean hypocotyl, cotyledons, or growing points, which can lead to tissue necrosis (Fig. 1; Hartzler 2004; Wise et al. 2015).



Figure 1. Soybean seedling with typical symptomology (chlorosis and necrosis on cotyledon and hypocotyl) resulting from a PRE application of sulfentrazone.

Early-season herbicide injury and subsequent effect on yield is a concern of soybean producers who adopt metribuzin and/or sulfentrazone PRE in soybeans. Some seed companies provide information regarding soybean variety tolerance to soil-applied metribuzin and sulfentrazone; however, to our knowledge, information on their potential impact on soybean development and yield response under field conditions prone to early-season injury is not readily available.

Objectives

- Investigate the impact of soil-applied sulfentrazone and metribuzin on early-season growth and development of soybean using multiple varieties adapted to southwestern Nebraska
- Determine whether potential early-season herbicide-induced injury could impact soybean yield

Table 1: Soil and crop management information for field experiments conducted at Brule and North Platte, NE during 2016 and 2017 growing seasons.

Site	Year	Soil pH	Organic matter (%)	Soil texture ^a	Planting time	Herbicide application	Harvest
Brule	2016	6.7	2.2	Loam (19:44:37)	May 19	May 19	Oct 28
Brule	2017	6.8	2.1	Loam (20:42:38)	May 24	May 25	Oct 11
North Platte	2016	7.5	1.7	Loam (15:34:51)	May 10	May 11	Oct 13
North Platte	2017	7.4	1.7	Loam (20:32:48)	May 10	May 12	Oct 7

^aInformation presented in parentheses refers to clay, silt and sand % ratio of soil texture.

Field experiments were conducted in 2016 and 2017 at the University of Nebraska-Lincoln West Central Water Resources Field Laboratory, near Brule, NE (41.1597°N, 102.02871°W; hereafter referred to as Brule) and the University of Nebraska-Lincoln West Central Research and Extension Center in North Platte, NE (41.0865°N, 100.7780°W; hereafter referred to as North Platte) for a total of 4 site-years. The previous crop at all field sites was no-till corn (*Zea mays* L.). Experimental sites were selected due to loam soil type, relatively low organic matter, and high pH, which are representative field conditions across southwestern Nebraska and also suitable for early-season crop injury from metribuzin and sulfentrazone (Table 1; Grey et al. 1997).

The experiment was conducted as a 3×22 factorial with treatments consisting of two PRE herbicides applied at recommended label rates (metribuzin, 2/3 lb Sencor[®] 75 DF per acre and sulfentrazone, 8 fl oz Spartan[®] 4F per acre) plus a nontreated control (NTC), and 22 commercially available soybean varieties adapted to the region (provided by 3 companies and receiving respective company's base seed treatment; data not shown). At all site-years, soybeans were no-till planted at 140,000 seeds per ac (1.5-inch deep) and the PRE herbicide treatments were applied within 3 d after planting (DAP; Table 1) using a CO2-pressurized backpack sprayer equipped with a 10 ft boom with six TeeJet XR11002 flat-fan nozzles (Spraying Systems Co., Wheaton, IL) on 20-inch spacing, calibrated to deliver 10 gal of spray solution per acre. Experimental units were 10 ft wide (four soybean rows on 30-inch spacing) and 30 ft in length. Experimental units were maintained weed-free throughout the season by weekly hand weeding and/or hoeing to minimize the impact of weeds on soybean development and yield. The experiment was established in a strip-split-plot design employed in a randomized complete block design with four replications at each site-year. PRE herbicide treatments were considered as the strip-plot, whereas the soybean varieties were treated as the split-plot. Canopy cover (%) was measured 30 days after planting (DAP; when the crop reached the V2 growth stage) from photos taken using Canopeo phone application (Fig. 2; www.canopeoapp.com; Canopeo Software, Oklahoma State University, Division of Agricultural Sciences and Natural resources and the Soil Physics, Oklahoma, OK, USA). Final plant stand (plants per ac) and final yield (bu per ac) were measured at crop physiological maturity.

Statistical analysis – SAS version 9.4 Green canopy coverage (%), final plant stand (plants per ac), and final yield (bu per ac) were subjected to ANOVA using the PROC GLIMMIX procedure. PRE herbicide treatments were treated as fixed effects, whereas replications nested within site-years and soybean varieties nested within site-years were treated as random effects. Site-years and soybean varieties were treated as random because the objective of this study was to evaluate the potential impact of PRE herbicide treatments assuming a random irrigated site in southwestern Nebraska (with similar environmental conditions as observed in this study) and random selection of locally adapted soybean variety. For each response variable, means were separated when PRE herbicide treatment effect was less than P = 0.05 using Fisher's protected least-significant difference.

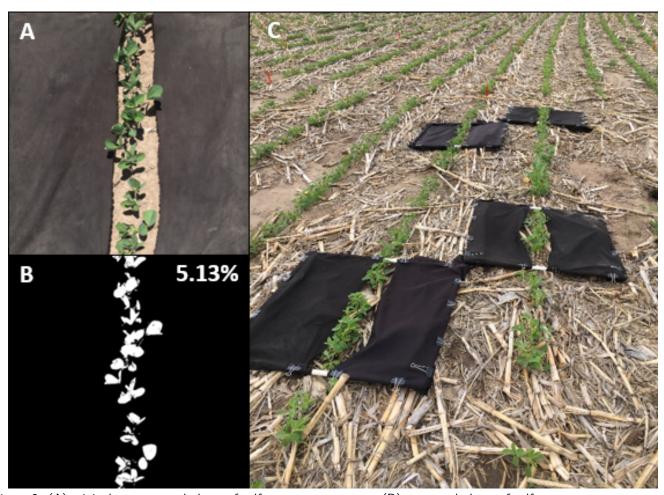


Figure 2. (A) original, unprocessed photo of sulfentrazone treatment, (B) processed photo of sulfentrazone treatment for estimating soybean green canopy cover at V2 growth stage. Photos were processed using Canopeo phone application platform (www.canopeoapp.com; Canopeo Software, Oklahoma State University, Division of Agricultural Sciences and Natural resources and the Soil Physics, Oklahoma, OK, USA) to estimate average green canopy coverage (%). On the right (C) is the placement of the squares on second and third soybean row designed for demarking the photo area.

Results and Discussion

S ulfentrazone reduced early season soybean growth by 22% (average canopy coverage across site-years and varieties for sulfentrazone was 5.4% while the average for Control was 6.9% at 30 DAP; Table 2). Sulfentrazone had an adverse impact on the final plant stand resulting in a 10% average reduction while metribuzin did not impact final plant stand when compared to the non-treated control (NTC; Table 2). Although sulfentrazone application led to both reduced green canopy coverage during early season (V2 growth stage; 30 DAP) and final plant stand at crop physiological maturity, these effects did not translate into a reduction in yield (Table 2). Conversely, both PRE herbicides resulted in slightly higher average yield (by 3%) when compared to the NTC (Table 2; P-value = 0.0008). Although plots were hand weeded and hoed on a weekly basis, there was a higher opportunity for early-season weed competition in the NTC treatment (no soil residual weed control from PRE herbicide treatment), which may partially explain the slightly higher yield in the metribuzin and sulfentrazone treatments.

Table 2: Summary of canopy cover 30 days after planting, final plant stand and final grain yield at harvest.^a

Herbicide Treatment	Canopy Cover (%)	Final Plant Stand (plants per ac)	Yield ^b (bu ac⁻¹)
Control	6.9 a	110,880 a	57.4 b
Metribuzin	6.8 a	110,880 a	59.4 a
Sulfentrazone	5.4 b	100,320 b	59.4 a
p-value	< 0.0001	<0.0001	0.0008

^aMeans within a column followed by the same letter are not different according to Fisher's test (P=0.05). ^bAdjusted to 13% moisture.

Recommendation for Soybean Growers

According to the results of this study, the weed control benefits provided by PRE herbicides likely outweigh concerns regarding early-season injury, assuming that such herbicides are applied following their label requirements and the crop is established according to local best management practices. Additionally, growers can opt for varieties with higher tolerance to PRE herbicides when such information is provided by seed companies as a means to reduce the likelihood of early-season crop injury.

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Visit the UW-Madison Cropping Systems Weed Science Blog:

wiscweeds.info



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- Wise K et al (2015) Soybean seedling damage: Is there an interaction between the ILeVO seed treatment and pre-emergence herbicides? Integrated Crop Management News: Iowa State University Press, Ames, Iowa.

Additional Resources

- Residual Control of Waterhemp with PRE-emergence Herbicides in Soybean.
- Herbicide Comparison for Residual Waterhemp Control in Corn
- 2019 Wisconsin Weed Science Research Report.
- 2020 Wisconsin Weed Science Research Report.



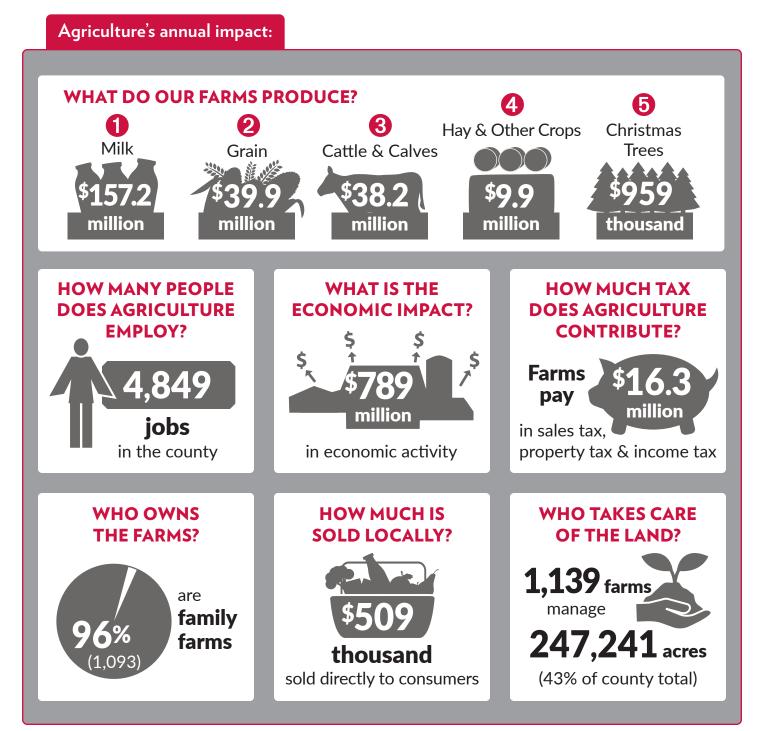






AGRICULTURE WORKS HARD FOR ► SHAWANO COUNTY

Family-owned farms, food processors and agriculture-related businesses generate thousands of jobs and millions of dollars of economic activity for Shawano County, while contributing to local income and tax revenues.



THE AGRICULTURE SECTOR BENEFITS THE ENTIRE COUNTY

Agriculture has deep roots in Shawano County with many residents connected to agriculture either through direct involvement in a farm operation or working for a local agribusiness. In addition to these deep connections, agriculture is also diverse. There is a wide range of agriculture industry from dairy — the state's largest agriculture industry — to maple syrup production and everything in between. These deep roots and connections help to generate millions in economic activity, which in turn, contributes to local income and tax revenues.

Did you know?

SHAWANO COUNTY IS

No. 4 in Wisconsin's hay & other crops industry





The University of Wisconsin–Madison Division of Extension is part of the local and statewide network of organizations and agencies that support Wisconsin's \$104.8 billion agriculture industry. Extension helps enhance the economic impact of agriculture by providing research-based information that increases farm profitability, improves food safety, reduces environmental impacts and expands agribusiness networks.

For more information, please contact:

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Wisconsin and Wisconsin Department of Agriculture, Trade and Consumer Protection (DATCP). Economic data (2017) provided by: Steven C. Deller, Professor, Department of Agriculture and Applied Economics, UW-Madison and Community Development Specialist, UW-Madison Extension. Contribution of Agriculture to the Wisconsin Economy: Updated for 2017 is available at https://go.wisc.edu/i6947n. Additional data was from the USDA 2017 Census of Agriculture. Publication production was completed through a collaboration of the Extension Natural Resources Institute and the Extension Office of Communications and Stakeholder Engagement. Produced in cooperation with Dairy Farmers of Wisconsin, Wisconsin Department of Agriculture, Trade and Consumer Protection and Wisconsin Farm Bureau.







Winter Maple Institute

Educating Maple Producers Registration Form 2021

Name(s)				-
Sugarbus	h Name			
Address .		(NO P.O. Boxes)		
			Zip	-
Phone				-
Email				-

WMSPA members (Free) Non-members \$20.00

Membership and Event Registration available at: www.wismaple.org

Registration is Required for anyone to participate whether you are a member or not. Please send in your registration **no later than December 30th** to:

> Theresa Baroun 2546 Homestead Dr. De Pere, WI 54115

Thank you to our Associate Sponsors for your Support











For a fee starting at \$50, you will join the foremost recognized maple community in Wisconsin. Have your name or business added to our member list showing your affiliation that potential customers view as a sign of assurance and confidence in your product.

You'll be informed of meetings, spring and fall events plus receive Wisconsin Maple News twice a year and the national Maple Digest four times. On top of developing a camaraderie with like-minded maple enthusiasts at WMSPA sponsored sessions!

See you at the Winter Institute, Fall Tour, State Fair, First Tree Tapping & Annual Meetings. Open to Wisconsin maple syrup producers & maple syrup producers (non-voting members) of surrounding states.

Since the founding, the WMSPA has represented many commercial and hobbyist sugar makers in Wisconsin. While we do not conduct actual inspections, we expect our members to conform to all State and Federal standards regarding the production and sale of maple products. We disseminate information to our members which helps them maintain strong quality control and we stand ready to assist them if problems arise. We also act as your representative to both State and Federal Government on specific legislative issues that affect the maple industry.

> Membership and Event Registration available at: www.wismaple.org







Uintual Winter Maple Institute & Maple Trade Show



January 8th & 9th, 2021 Educating Maple Producers for 2021 and Beyond

> Online Auction 8:00 a.m. Friday, Jan. 8, 2021 to 4:00 p.m. Saturday 9, 2021

"Dr. Tim" Perkins

"Dr. Tim" Perkins grew up in northeast Vermont helping on his grandfather's farm and sugaring operation. He received Bachelor's dearees in Forest Ecoloay

and Geology, and Masters and Doctoral degrees specializing in forest physiology from the University of Vermont. He was appointed Director of the Proctor Maple Research Center in 1996 where his work centers on understanding sap flow, increasing yields from maple, and sustainability of tapping. He holds five patents for various maple devices or practices. He has authored or coauthored over 35 scientific journal papers, written numerous articles in the maple industry literature. and has done hundreds of presentations throughout the maple producing region. He was an author and co-editor of the 2nd edition of the North American Maple Producers Manual and is lead editor and contributing author for several chapters in the upcoming 3rd edition. Dr. Perkins received the "2003 Maple Person of the Year" from the Vermont Maple Industry Council, the Golden Maple Leaf Award in 2008 from the IMSI, the Distinguished Service Award from the North American Maple Syrup Council in 2009, the Sumner Hill Williams President's Cup in 2011 from the Vermont Maple Industry, the Richard G. Haas Distinguished Service Award from the North American Maple Syrup Council in 2013, the IMSI President's Award in 2018, and will be inducted into the North American Maple Hall of Fame in 2021.

Inga Witscher

Inaa Witscher is a fourth aeneration dairy farmer, milking cows and making cheese on her small farm in Wisconsin. Inqa's passion



2021 Virtual WMSPA Winter Institute & Trade show

Schedule Subject to Change

FRIDAY JAN. 8, 2021

10:00 a.m. – 3:00 p.m. Maple Syrup Judging Live Streamed throughout the day

2:00 p.m. - 3:00 p.m. Maple 101

3:00 p.m. – 4:00 p.m. Web design: Justin Baroun, 2018-2019 Maple Marketing Intern Facebook, Instagram, Twitter: Kenni Bores, 2020-2021 Maple Marketing Intern

4:05 p.m. – 4:55 p.m. Travel WI: Jeff Anderson, WI dept of Tourisms

5:00 p.m. – 5:10 p.m. Belmark 5:15 p.m. - 6:30 p.m. Filtration Speaker/ What is the Best Filter Press to Use in My Operation? Various WI Maple Dealers

6:35 p.m. - 6:45 p.m. Vendor Showcase 6:50 p.m. - 7:00 p.m. Vendor Showcase 7:05 p.m. – 7:15 p.m. Vendor Showcase 7:20 p.m. – 7:30 p.m. Vendor Showcase 7:35 p.m. – 7:45 p.m. Vendor Showcase 7:50 p.m. – 8:00 p.m. Vendor Showcase

SATURDAY Jan. 9, 2021 (Subject to change)

8:00 a.m. - 8:10 a.m. Greg Bussler NASS 8:15 a.m. - 8:25 a.m. Vendor Showcase 8:30 a.m. – 9:20 a.m. Factors affecting Maple yield on Maple Trees, Tim Perkins, University of Vermont Proctor Maple Research

9:25 a.m. - 9:35 a.m. Vendor Showcase 9:40 a.m. -10:40 a.m. Cooking with Maple, Inga Around the Farm Table

10:45 a.m. - 10:55 a.m. Vendor Showcase 11:00 a.m. – 11:0 a.m. Tubbing Maintenance: Jim Adamski, CDL/Roth Sugar Bush 11:55 a.m. - 12:05 p.m. Vendor Showcase 12:05 p.m. – 12:30 p.m. Wastewater Application: Michelle Balk, DNR

12:30 p.m. - 1:00 p.m. Break: WMSPA Life Time Member and Producer of the Year Award

1:00 p.m. – 1:10 p.m. Vendor Showcase 1:15 p.m. – 2:00 p.m. Liability Insurance: Pat Trutman, Rural Mutual Insurance

2:05 p.m. - 2:15 p.m. Vendor Showcase 2:20 p.m. – 3:00 p.m. Licensing Changes: Stefan



Maple Ambassador

Kenni Bores

is a senior at the University of Wisconsin-River Falls, where she is studying agriculture marketing communications

with minors in dairy science and agriculture business. She arew up on her family's dairy farm in Auburndale, WI where she developed a love and passion for all things agriculture. When she's not in a class, Kenni loves to create charcuterie boards, hang out with friends, and go shopping.

Maple Syrup Judging

(One Free sample to WMSPA members and limited only to members)

Sample: 1 pint container properly marked (grade) and labeled.

Pint syrup sample to be received no later than January 8th and can be dropped off at Hotel Marshfield, Nasonville Dairy or mailed to Theresa Baroun at 2546 Homestead Dr. De Pere, WI 54115 or to Nasonville Dairy's at 10898 Hwy 10 Marshfield, WI 54449.

Boerboom, WDATCP

3:05 p.m. – 3:15 p.m. Vendor Showcase 3:20 p.m. – 4:00 p.m. Nutrition Label Changes: Patrick Campbell, FDA (subject to change)

4:05 p.m. – 4:15 p.m. Vendor Showcase 4:20 p.m. – 5:00 p.m. Invasive Specie affecting Maple Trees: Asa Plansky, Regional Invasive **Species** Coordinator

5:05 p.m. – 5:15 p.m. Vendor Showcase 5:20 p.m. – 6:00 p.m. How to make Maple Cream: Ski's Sugarbush