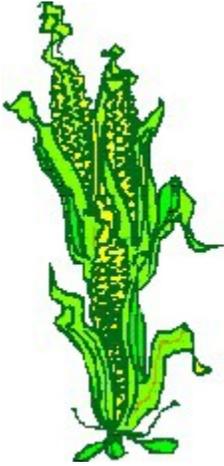


Courthouse  
1926 Hall Avenue  
Marinette, WI 54143  
Phone: 715-732-7510



If you will need any type of accommodation or assistance as you attend any Extension sponsored event, please contact the host county or Scott at the Marinette County office at least two days prior to the event. All requests will be confidential.

Scott Reuss  
715-732-7510  
1-877-884-4408  
cell 715-701-0966  
[sreuss@marinettecounty.com](mailto:sreuss@marinettecounty.com)

*An EEO/Affirmative Action Employer, University of Wisconsin-Extension provides equal opportunities in employment and programming, including Title IX and ADA requirements.*

## February, 2021 Agriculture Newsletter

### Opportunities Abound!

I fully expect that many of you aren't thrilled to see me say the next statement. Enter the winter of webinars! There are dozens of webinar based educational opportunities happening in the next months. The biggest advantage of conferences being held virtually is that many of them are free or very low cost, plus you don't need to take the time or expense to travel. The downside is less networking and probably somewhat less effective education. Many, but not all, of them are described herein. The only ones I have included in the calendar below are locally-oriented ones (of which there will be more in March) or a few I didn't mention elsewhere.

My cell phone number has changed to 715-701-0966. As I write this, it doesn't work well, at all, including not being able to send/accept texts. Hopefully, by the time you read this, at least some of those issues will be fixed. I am able to do certain types of farm visits, so if you have a need for assistance, let me know. Contact me with any questions or programming/research ideas by e-mail [scott.reuss@wisc.edu](mailto:scott.reuss@wisc.edu), try the cell phone, or leave a message at 715-732-7510.



Scott Reuss

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Page 8	Local ARC/PLC Events, Beans n' Bull Series; Focus on Forage Series

### Calendar of Events

Feb 2/3	WI Potato and Vegetable Growers' Conference
Feb. 2	11 am Local ARC/PLC Webinar (page 8)
Feb. 4	7 pm Local ARC/PLC Webinar (page 8)
Tuesdays	1 pm Badger Dairy Insight Webinars
Fridays	11 am Farm Management Webinars

For the Dairy or Farm Management webinars, go to WI Farm Ready Research to get info. or to register.

## Wisconsin Beef Special Edition Webinar Series

### Free Sessions Held Tuesday evenings

UW-Madison Division of Extension Livestock Program announces its Wisconsin Beef Special Edition – virtual series. Extension Livestock Educators, UW Outreach Specialists, and keynote speakers will present current topics on beef production on Tuesday evenings. Each session begins at 7.00 pm CT with a presentation followed by Q & A until 8.30 pm.

Join during live ZOOM sessions or listen to the recorded sessions as your schedule allows. There is no charge to participate, but pre-registration is required to allow your access. One BQA continuing educational credit per session is available by attending the live February sessions.

Registration is required one week prior to each session at [go.wisc.edu/FarmReadyResearch](https://go.wisc.edu/FarmReadyResearch)

#### February 9 - Management of Newly Weaned Calves in the Feedlot

Presenter: Dr. Dan Thompson, DVM, Iowa State University

#### February 23 - Hairy Heel Wart: A Threat for the Health and Production of Cattle in Beef Operations

Presenter: Dr. Doerte Doepfer, DVM, UW-Madison School of Veterinary Medicine

#### March 9 - Pasture Weed Management, Presenter: Dr. Mark Renz, UW Madison Extension Specialist

#### March 23 – Direct Marketing Meat and Introduction to Meat Suite Presenter: Matt LeRoux, Cornell Extension

For more information visit <https://livestock.extension.wisc.edu/> or contact Megan Nelson, UW- Madison Division of Extension Livestock Outreach Program Manager at (608) 282-5572 or [megan.nelson@wisc.edu](mailto:megan.nelson@wisc.edu).



**Extension**  
UNIVERSITY OF WISCONSIN-MADISON

**FARMER FOCUS GROUPS**

**SEEKING FARMERS TO DISCUSS STRESSORS AND CHALLENGES**  
*Information will be kept confidential*

Option 1: Feb. 16, 1-2:30 p.m. | Option 2: Feb. 18, 8-9:30 p.m.  
Register at <https://go.wisc.edu/5pz9iy> | Registration deadline is Feb. 9

These farmer focus groups are part of a research project sponsored by USDA-NIFA 2020-70028-32728.

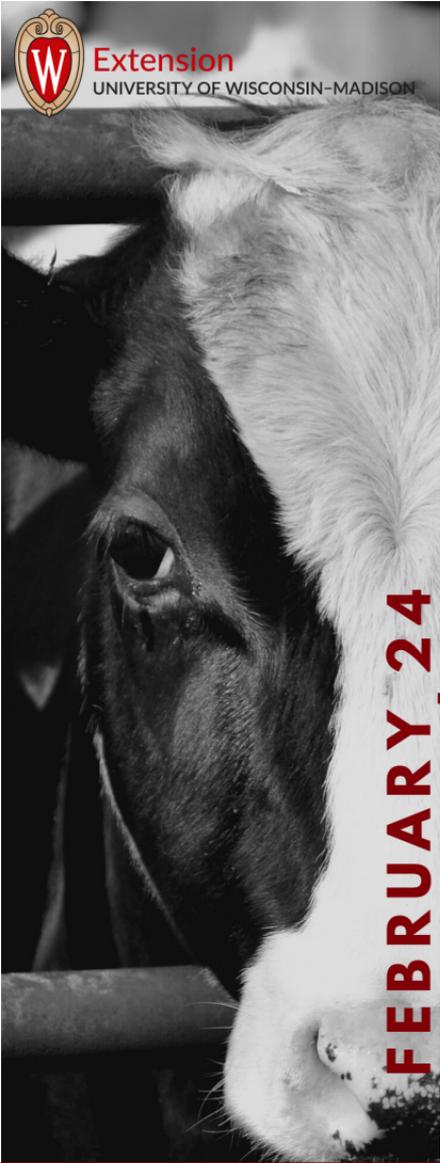
**For questions, please contact:**  
Morgan Cavitt: [morgan.cavitt@wisconsin.gov](mailto:morgan.cavitt@wisconsin.gov) | 608-224-5050 | Joy Kirkpatrick: [joy.kirkpatrick@wisc.edu](mailto:joy.kirkpatrick@wisc.edu) | 608-263-3485

## Pesticide Applicator Training Reminder:

All Private PAT licenses expiring after Jan. 31, 2020 are automatically extended until Dec., 2021. There will be no PAT training in 2021, except a temporary on-line version for new licensees only. Contact Scott if you need to go through PAT licensing for the first time.



**Extension**  
UNIVERSITY OF WISCONSIN-MADISON



**FEBRUARY 24**



**Handle.  
Transfer.  
Process.**

**2.24.21 | VIRTUAL FORMAT**

Supporting and strengthening the Midwest dairy industry through awareness, understanding, and adoption of innovative manure handling processes.



Register Here:  
[midwestmanure.org](http://midwestmanure.org)

First 100 registrants will receive a complimentary conference package

FINANCIAL SUPPORT PROVIDED BY:



DAIRY BUSINESS ASSOCIATION | DAIRY FORWARD



Journal of  
Nutrient Management



**Midwest  
Manure  
Summit**

<http://midwestmanure.org>

An EEO Affirmative Action Employer, University of Wisconsin-Extension provides equal opportunities in employment and programming, including Title IX and ADA requirements

## Questions?

Heather Schlesser

UW-Madison, Extension - Marathon County

heather.schlesser@wisc.edu

715.261.1230 x. 2



# Agenda

**9:00 am**

## Systems Modeling and Optimization for Organic Waste Management

Dr. Victor M. Zavala, Baldwin-DaPra Associate Professor of  
Chemical & Biological Engineering, UW-Madison

**10:00 am**

### Option 1

#### Agriculture's Role in Addressing Antimicrobial Resistance

Dr. Amy Schmidt, Biological Systems  
& Engineering & Animal Science,  
Univ. of Nebraska-Lincoln

### Option 2

#### Ammonia Capture for the Organic Market

Dr. Robert Levine, CEO,  
Digested Organics LLC

### Option 3

#### Pelletizing Manure Solids

Dr. Mahmoud Sharara,  
Biological & Agricultural  
Engineering, NC State

**11:05 am**

### Option 1

#### Feeding Strategies to Reduce Methane Production

Dr. Michel A. Wattiaux,  
Dairy Systems  
Management, UW-Madison

### Option 2

#### Capture of P from Dairy Manure as Strutivite & Its Use for Alfalfa Production

Dr. Joe Harrison, Dept. of Animal  
Sciences, Washington State  
University

### Option 3

#### Biochar and Manure Management

Dr. Rebecca Larson,  
Biological Systems  
Engineering, UW-Madison

**11:55 am Lunch**

**1:00 pm**

### Option 1

#### Manure Management to Mitigate Greenhouse Gas Emissions on Dairies

Dr. Horacio Aguirre-Villegas,  
Biological Systems  
Engineering, UW-Madison

### Option 2

#### Addressing Manure Odors at the Source

Dr. Erin Cortus, Bioproducts  
and Biosystems Engineering,  
University of Minnesota

### Option 3

#### Wet Gasification for a Dairy Farm

Peter Wright, Agricultural  
Engineer, Dept. of Animal  
Science, Cornell University

**2:00 pm**

#### Panel Discussion: Biogas Upgrading

Nick Elger, US EPA AgStar  
Devin Dobson, DTE Biomass Energy  
Farmer, TBD

## Youth-Oriented Livestock Education Series

The Wisconsin Youth Livestock Program (WYLP), in connection with the University of Wisconsin Madison Animal & Dairy Sciences Department, College of Agricultural and Life Sciences and Division of Extension, are excited to offer these LIVE Virtual Zoom educational programs for the winter/spring of 2020-2021. These current topics are for youth and adults alike and occur on the 2nd Thursday of the month through May. Each session begins at 7 p.m. CST with a presentation followed by Q&A. You must register in order to receive the connecting information through email.

For more detailed information of each presentation and to register for any or all of the events, please go to: <https://go.wisc.edu/r3x8lh>. On this webpage you can also complete an educational verification form and turn it into your county fair and or livestock committee to verify your participation. These activities may serve as “county educational requirements”.

February 11 - Feeding & caring for Swine without Ractopamine

March 11 - Lamb Live & Carcass Evaluation; Lamb Culinary products

April 8 - Artificial Intelligence in Animal Sciences using sensors and cameras

May 13 - Meat Science Cookery

For more information visit <https://go.wisc.edu/r3x8lh> or contact Bernie O'Rourke, UW- Madison Extension Youth Livestock Specialist at (608) 263-4304 or [borourke2@wisc.edu](mailto:borourke2@wisc.edu).

## On-Line Soil Health Training Courses

Free, self-paced training designed for producers or agronomic professionals. Four topics available to help increase understanding of soil health, water and soil management, and cover crops. Topic Titles are:

+ Introduction to Soil Health

+ Cover Crops and Soil Health

+ Soil Water Management

+ Soil Health Management Systems

If interested in registering for one, or more, of these courses, contact Kevin Erb at 920-391-4652, or e-mail to [kevin.erb@wisc.edu](mailto:kevin.erb@wisc.edu) You can also contact him for more information about the courses.

## Heart of the Farm – Fall/Winter ‘Coffee Chats’

‘Coffee Chats’ will be held on the 2nd Monday of each month (10 a.m. – 11 a.m.) through March 2021.

The Heart of the Farm-Women in Agriculture program addresses the needs of farm women by providing education on farm business topics, connecting them with agricultural resources and creating support networks. There is no charge for attending the series but you must register at:

<https://uwmadison.zoom.us/meeting/register/tJtceirrzkvEtfMSLLljrhSjFMymAHHUA4>

Once registered, you will receive an email confirmation containing information about joining the meeting.

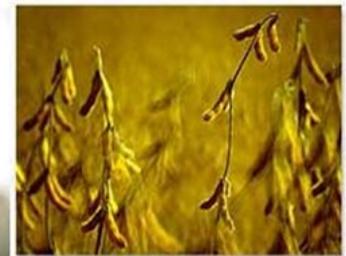
· Feb. 8, 2021: How to Read and Understand Your Milk Check; Speaker: Mark Stephenson, Director of Dairy Policy Analysis and Center for Dairy Profitability and UW-Madison Division of Extension. Are you confused about what is printed on your milk check and what all the components are? Are you having difficulty reading your statement and knowing if the payments, particularly the premiums paid, are on par with what other producers are receiving? Dr. Stephenson will review where the numbers on your milk check come from and what they mean to your operation.

· March 8, 2021: Developing your Farm Product Brand; Speaker: Jenni Gavin, Gavin Farms, Reedsburg, WI. Ever wanted to brand and market your farm's product? Jenny Gavin will discuss how she and her husband developed a brand and began to market their beef directly to consumers. They just opened a farm store where they market their beef as well as other local food products. Jenni is very excited to share their story, how they created their brand and what it has looked like for them to market their beef locally.

For more information, please visit the Heart of the Farm website or contact Jenny Vanderlin, [jenny.vanderlin@wisc.edu](mailto:jenny.vanderlin@wisc.edu), 608-263-7795. The ‘Coffee Chat’ series is partially funded by a CHS Community Giving Grant.

# 2021 Agronomy Day

Eastern Wisconsin



## 2021 Agronomy Day - Eastern Wisconsin

Online via Zoom

Thursday, February 25, 2021

12:30 P.M. - 2:45 P.M.

For online registration visit: [go.wisc.edu/2021agronomyday](https://go.wisc.edu/2021agronomyday)

**No cost to attend. An email with the Zoom link will be sent to those registered the morning of the program on February 25th.**

**12:30 p.m. Welcome**

**2021 Agronomy Day—Eastern Wisconsin**

Mike Ballweg, Extension Sheboygan County, John Thompson, Extension Winnebago County, Kevin Jarek, Extension Outagamie County and Scott Reuss, Extension Marinette /Oconto Counties

**12:35 p.m.**

- Exploring Soybean Herbicide Tolerant Traits and Waterhemp Control Strategies for 2021
- Putting Together a Effective Herbicide Program

*Rodrigo Werle, UW-Madison Weed Science Specialist*

**1:15 p.m.**

- How do Low, Medium and High Growing Environments Impact Soybean Seeding Rates?
- Planting Dates and Maturity Groups—Setting yourself up for Winter Wheat Success
- Soybean Herbicide Traits and Yield
- Planting Soybeans Green—What Does the Data Say?

*Shawn Conley, UW-Madison Soybean and Small Grains Specialist*

**2:00 p.m.**

- What a Difference a Year Makes. What Fundamentally Changed to Create Favorable Grain Prices in Recent Months.
- What is the Market Outlook Ahead?

*Naomi Blohm, Senior Market Advisor, TFM—Stewart Peterson*

For more information Contact the Sheboygan County Extension Office at 920.459.5904.

Supporting Extension Offices: Washington, Ozaukee, Sheboygan, Fond Du Lac, Manitowoc, Calumet, Winnebago, Outagamie, Brown, Kewaunee, Door, Shawano, Oconto and Marinette

# annual CAFO update series

hosted by UW-Madison Extension in collaboration with WI DNR

## Each online session held 9:30 am to 11:30 am



### Tuesday | February 2, 2021 | first permit considerations

- Why and when a permit is required | Tyler Dix, WI DNR
- Overview of the permit application process | Tony Salituro, WI DNR
- Considerations for working with an existing farm site/production area | Mark Cain, WI DNR, LWCD staff, private sector engineer
- Farmer panel discussion: What we learned, what we'd do differently next time | Kurt Olson Jr, Olson Dairy and Greg Friendshuh, Friendshuh Farms.



### Wednesday | February 3, 2021 | nutrient management

- Submitting the "perfect" CAFO nutrient management plan | Aaron O'Rourke, WI DNR
- Pre-application field check | Danielle Block, WI DNR
- Managing manure in tiled fields | Ben Uvaas, WI DNR & Eric Cooley, Discovery Farms
- Root causes of manure spills | Racheal Osterhaus, UW-Platteville & Kevin Erb, UW-Madison Extension



### Thursday | February 4, 2021 | production area management

- Virtual tour: Innovative clean water diversion practices | Danielle Block & Bernie Michaud, WI DNR
- The economics of keeping clean water clean | Emily Micolichuk, Miller Engineering
- Calf health considerations of roofs or shade over housing | Tina Kohlman, UW-Madison Extension
- Farmer panel: Feed storage, open lot changes that save spreading \$ | Dan Wiese, Wiese Bros Farms; Nick Dallmann, East River Dairy; and Andy Buttles, StoneFront



### Friday | February 5, 2021 | managing for the future

- Nitrate TPS update | Chris Clayton, WI DNR
- Design/review process for plans and specifications | Bernie Michaud, WI DNR
- Discharging clean water from a manure treatment system: permit considerations | Tyler Dix & Trevor Moen, WI DNR
- Nutritional considerations of feeding cover crops | Kimberly Schmidt, UW-Madison Extension
- More than N-P-K: Managing non-nutrient components of manure | Jamie Patton & Dan Smith, UW-Madison

\$10 for one session/\$20 for series if registered by Jan 31. \$10 late fee beginning Feb 1.

Register today <https://go.wisc.edu/p241p7>

For more information: Kevin Erb | [kevin.erb@wisc.edu](mailto:kevin.erb@wisc.edu) | 920.391.4652  
CCA CEUs pending & PDH Certificates available for Professional Engineers



Extension

## ARC/PLC Decision-Making Information and Learning Opportunities

All producers have the opportunity to sign up for either the Agriculture Risk Coverage (ARC) or the Price Loss Coverage (PLC) program by March 15<sup>th</sup>. This voluntary program provides payments to farms when either revenue or crop price are below set guarantees. The decision is made on a crop by crop basis at the county level, unless the individual option under ARC (ARC-IC) is selected.

To assist producers in Marinette, Oconto, and Shawano Counties, a pair of educational webinars are being offered to provide county-specific information designed to help in this decision-making process. These free events are cooperatively sponsored by the USDA-Farm Service Agency offices of Oconto/Marinette and Shawano Counties, along with the three counties' UW-Madison, Division of Extension offices.

The two live events are being held: Tuesday, February 2<sup>nd</sup> starting at 11 a.m.  
and on Thursday, February 4<sup>th</sup>, starting at 7 p.m.

Both will feature the same information. Extension Agriculture Agent Scott Reuss will share the information and decision-making tools that are available to producers as they analyze this decision for their farms. He will showcase the current projections for 2021 and what they mean for good ARC vs. PLC decision for area farms. Nancy Swenty, Farm Service Agency CED for the three counties will be joined by other FSA staff and will discuss program logistics as well as give producers pointers regarding the sign-up process in 2021.

Following (and during) the topic discussion, attendees will be able to ask any questions they may have. A demonstration of the use of available decision-assisting tools will also be conducted.

Registration is required to attend either live event. Register by sending an e-mail to Extension Agriculture Agent/Educators Scott Reuss or Kimberly Schmidt at either [scott.reuss@wisc.edu](mailto:scott.reuss@wisc.edu) or [Kimberly.schmidt@wisc.edu](mailto:Kimberly.schmidt@wisc.edu). When you e-mail, please include your name, county(ies) in which you farm, and the crops for which you have FSA base acres. If you do not have webinar capacity but want to join in the events, a phone-only option is available which will allow you to hear the discussion. Call Scott Reuss at the Marinette office, 715-732-7510, to register for that option.

Dr. Paul Mitchell, Grain Crops Economist with UW-Madison/Extension, has also posted recommendations on his website at: <https://aae.wisc.edu/pdmitchell/extension/arc-plc-signup/>

### Beans n' Bull: Virtual sessions led by industry experts (Free, but limited registration)

**2/4 Waterhemp & White Mold the Scourge of WI | Rodrigo Werle, Damon Smith 7pm - 8pm**

**2/11 Early Season Soybean Management Decisions | Shawn Conley, Damon Smith 7pm - 8pm**

**2/18 On-Farm Technologies | Brian Luck, Rodrigo Werle 7pm - 8pm**

**2/25 Marketing & Corn Management | Naomi Blohme, Joe Lauer 7pm - 8pm**

Register Online at [badgerbean.com](http://badgerbean.com)



Division of Extension  
University of Wisconsin-Madison



### Focus on Forage Webinars – Wednesdays at 12:30 p.m.

February 3 "Using Small Grains to Fill a Forage Niche" with Scott Reuss, and Matt Akins, Extension Dairy Specialist

February 10 "Alternative Forage Strategies When Alfalfa Fails" by Tom Kilcer, Forage Consultant, Advanced Ag Systems

Feb. 17 – Midwest Forage Association Symposium, no Focus on Forage webinar

February 24 "Alfalfa-Grass Mixtures for Dairy Forage: Using Tall & Meadow Fescue" by Jerry Cherney, Cornell Forage Specialist. Alfalfa-grass mixture BMP's for Wisconsin.

March 3 – Topic to be determined.

Register for any, or all, of these free forage-focused webinars by visiting <https://go.wisc.edu/334pqz>

Contact Scott Reuss with any questions about this series.