



Extension
UNIVERSITY OF WISCONSIN-MADISON
MARINETTE COUNTY

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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.

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February, 2022 Newsletter

As I switch gears in Extension programming from the state-wide webinar series to local programming, you will see many learning opportunities detailed in this newsletter. Please also take advantage of workshops being held by service providers and suppliers, as this year is going to be challenging and we need as much information as possible when making production decisions.

Scott Reuss

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Upcoming Events

February 22 & 23	WI Dells	Midwest Forage Association Symp.
Feb. 22	Manitowoc	Dairy & Beef Well Being Conf. (Pg. 5)
Feb. 24	Rothschild	WI Cover Crop Conference (page 2)
Feb. 25	Lena TH	Crop Economics / Programs wksp. (Pg. 8)
March 1	Lena TH	Forage Production wksp. (Pg. 8)
March 3	Shawano	Shawano Forage Council wksp. (Pg. 6)
March 1 & 3	webinar	Cattle Feeder Clinic sessions (Pg. 7)
March 7	GB/Luxemb.	Manure Applicator 101 Training (pg. 5)
Tues., March 8 th	Oc. Falls	Pesticide Applicator Training
March 8 & 22	webinar	Dairy/Beef Cross webinar series (pg. 7)
March 9	Escanaba	Agriculture for Tomorrow conf. (Pg. 4)
March 10	webinar	PPE for Women in Ag. (Pg. 2)
March 16	Lena TH (pg. 8)	Employee Training, Recruitment, and Retention
March 22	Lena TH	Nutrient Management in 2022 (pg. 8)

AND there are still Dairy Insight, Farm Management, and Small Ruminant Management webinars being held. Register for any of these free webinars at extension.wisc.edu/agriculture/farm-ready-research/ I realize that they may be tough to join live some days, but you will then at least have access to the recorded versions (when available).

Badger Dairy Insights 1-2:30pm March 15 - Managing Heifer Maturity
March 29 - The Randomness of Repro

Farm Management Fridays March 4 - Farm Succession - Cultivating your (11 am to noon) Farm's Future

March 18 - Who's the Boss? Transfer of Management on the Farm.

Small Ruminants: March 8 - Parasite Mgmt. In grazing systems. 7:30-9 pm



Registration fee of \$75. Register at <https://cropsandsoils.extension.wisc.edu/events/wisconsin-cover-crops-conference/>

Event being held at Central Wisconsin Convention & Expo Center.

- 8:00 – 9:00** Early Riser – Farmers Figuring it Out Discussions +2021 Weather Challenges & Cover Cropping
+ Interseeding Cover Crops: 30 & 60 Inch Corn + Interseeding Alfalfa in Corn Silage
+ Growing & Selling Cover Crop Seed + Emerging Cover Crop Species
- 9:30 – 10:30** Keynote Speaker: Dr. Abbey Wick, North Dakota State University, Extension Soil Health Specialist
Soil Health in Northern Climates
- 10:45 – 12:00** Concurrent Sessions: *Select a Session*
- Session 1:** Creating Opportunities for In-Season Manure Applications & Cover Crops in Forage
Session 2: Planting Green – Managing Equipment & Agronomics to Improve Success
Session 3: Incorporating Cover Crops into Vegetable Rotations
- 12:00 – 1:00** Lunch & Time to Visit with Exhibitors
1:00 – 2:15 Concurrent Sessions: *Select a Session*
- Session 4:** Cover Crops 101
Session 5: Adaptive Rye Management – Spring Management with Challenging Weather
Session 6: Cover Crop Economics & Impact on Crop Yields
Session 7: Cover Crops as Forage – Grazing & Harvest Opportunities
- 2:15 – 2:45** Networking & Time to Visit with Exhibitors
2:45 – 3:45 Ecosystem Services of Cover Crops & Carbon Markets

Citizen Science for Great Lakes Cover Crops: Seeking Study Farms

The Blesh Soil & Agroecosystems Lab at the University of Michigan is seeking farmers to participate in a citizen science study investigating variation in cover crop growth across different farming conditions. This research will help inform context-specific recommendations for improving cover crop performance across the Great Lakes region (MI, OH, IN, IL, WI, MN). If you or someone you know is currently growing overwintering cover crops, please consider participating! Participating involves two easy steps: 1) a 15 minute online survey about farm and management factors, and 2) a short (~30 minute) cover crop field assessment in the spring. All participants will receive \$50 per cover crop field, and a personalized cover crop performance report.

For more information, contact herricke@umich.edu directly, or send an email to Scott at scott.reuss@wisc.edu and he will forward you the message that has links to an informational video and the registration page to participate.

Appropriate Personal Protective Equipment for Women in Agriculture

**Thursday, March 10, 2022
12 PM - 1 PM Central Time**

This training will address the different hazards in agricultural work and the appropriate PPE for women. Additionally, this training will review how to conduct both a respirator fit test and a fit check (seal check) procedure. This presentation aims to guide the selection and effectiveness of PPE worn by women in the agricultural field. Free, sponsored by AgriSafe Network. Email Scott at scott.reuss@wisc.edu for the registration site.

Nitrogen Rate Study Results from 2021

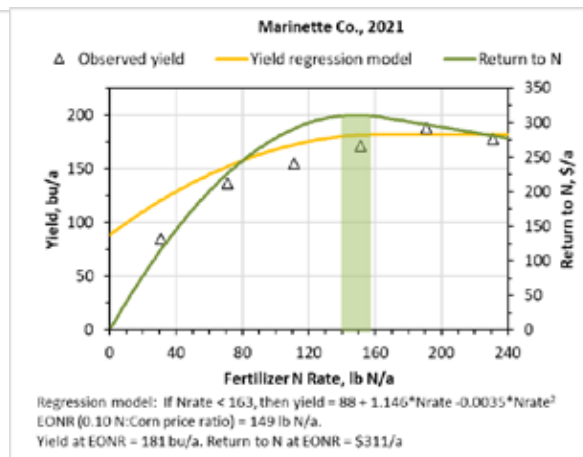
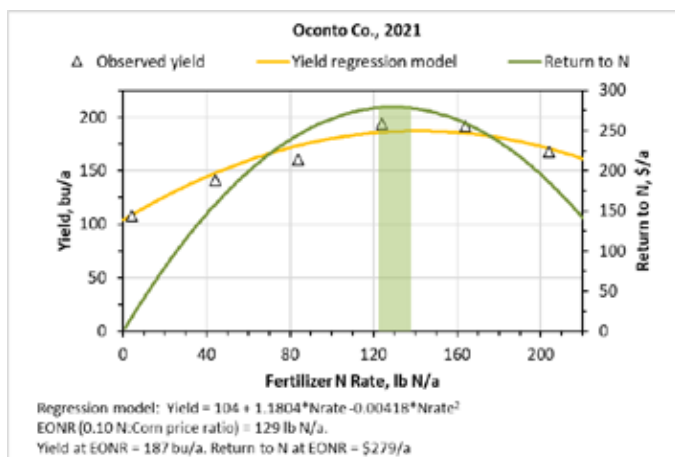
There were three sites in our two counties which hosted what is termed the Adaptive Nitrogen Management study. Dudkiewicz Farms hosted a site just north of Crivitz. Chuck & Judy Kehl hosted a site SE of Lena about 5 miles. Sievert Farms hosted a site SW of Abrams a couple miles. The Sievert Farms' site was actually a double plot, as we did a full comparison of these nitrogen rates with and without Envita. Those results and the results of a corollary plot hosted by Aaron Behnke will be reported in the next newsletter (and in depth at the March 22nd event).

What you will notice quickly as you look at the data presented below is that the Lena and Crivitz sites showed fairly similar trends and that the Abrams site had unaccounted for high yield at all nitrogen rates. The table below is organized so that you can compare the same nitrogen rates at each of the three sites and see the yield response. The only difference between sites was how much nitrogen was applied in the starter fertilizer mix. The primary six nitrogen rates were applied at the V-6 stage of growth at each site. The '120 at planting' rate had 120 lbs N/acre applied at planting, and no additional nitrogen applied. The '160 split' rate had 80 lbs N/acre applied at V-6 and another 80 lbs N/acre applied at the V-10 growth stage.

Corn Grain yield response to varying nitrogen application rates – 2021 (Average yield from four repetitions of each treatment.)

	Crivitz	Lena	Abrams
N applied	31 lbs. N applied in starter	4 lbs. N applied in starter	30 lbs. N applied in starter
0	85e	108c	228
40	136d	142b	237
80	155c	161b	239
120 at planting	158c	180a	228
120	171b	194a	237
160	188a	192a	236
160 split	165bc	Not done at this site	244
200	178ab	168ab	240
Calculated Economically Optimum Nitrogen Rate	140 to 160 lbs. N/acre	120 to 140 lbs. N/acre	0 lbs. N/acre
N credit from Pre-Plant Nitrate testing	0 lbs.	5 lbs.	41 lbs.

Note: yield results with different letters behind them within a site's results are significantly different from each other. The graphs below show yield and calculated return to N from the Lena and Crivitz sites.



Agriculture for Tomorrow Conference

Wednesday, March 9, 2022 - Bay College, Escanaba, MI

9:15-9:45 (EST)	Registration & Educational Exhibits			
9:45-10:30 RM 952	Welcome: Dr. James DeDecker, Director Upper Peninsula Research & Extension Center Keynote Address: Youth in schools around the UP are learning about agriculture and food systems in hands-on ways – in the classroom, in the school garden, and on farms. Learn about current agriculture education initiatives with an update from CTE Agriculture Teacher Lori Wardynski and Extension Educator Abbey Palmer.			
	<u>SPECIALITY CROPS TRACK</u>	<u>CROP TRACK</u>	<u>FARM HOMESTEAD TRACK</u>	<u>LIVESTOCK TRACK</u>
10:45-11:40	A1 FSMA Subpart E: Making Sense of Proposed Water Rule Changes	A2 Past and projected climate trends in Michigan's Upper Peninsula: Impacts on agriculture	A3 Maple Syrup for the Beginner	A4 Reduce Hay Fed to Beef Cows
11:40-12:10	Visit Tradeshow Exhibitors & Sponsors in Rm 952			
12:10-1:00	Lunch			
1:00-1:55	B5 Vegetable Variety Selection for Yield, Quality and Flavor	B6 Get the most out of your hay fields	B7 Northwoods Beekeeping 201	B8 Pasture Rest Periods
2:05-3:00	C9 Food SPICE: Technical and Financial Assistance Resources for UP Food Entrepreneurs	C10 John Deere's latest in hay and forage equipment	C11 Priority Invasive Species in the Central Upper Peninsula	C12 Feedlot Research at UPREC
3:10-4:05	D13 Hemp Production for Grain, Fiber or CBD in the UP	D14 The 2022 fertilizer situation: What to expect	D15 Seed Saving with Annual Vegetables	D16 Finding Technology that Pays

Registration Form

Name(s): _____

Please indicate by session number which four sessions you plan to attend:

A _____ B _____

C _____ D _____

Cost of attendance is \$25 pre-registration

(Due by March 2– no phone registrations accepted)

After March 2, the registration fee will be \$35 per person at the door

Fee includes lunch and materials

Number of attendees-- _____ x \$25 = _____

For **registration information** contact Frank Wardynski @ wardynsk@msu.edu, 906-884-4386

If you are **interested in being a sponsor, vendor, and/or exhibitor**, contact Paul Naasz @ naasz@msu.edu or 906-439-5114

Make checks payable to: MSU Extension

Send check and form to:

MSUE Ontonagon County

725 Greenland Rd.

Ontonagon, MI 49953-1492

Receipts will be available at the door

To register on-line go to: <https://events.anr.msu.edu/AGFORTOMORROW22/>

MSU is an affirmative-action, equal-opportunity employer. Michigan State University Extension programs and materials are open to all without regard to race, color, national origin, gender, gender identity, religion, age, height, weight, disability, political beliefs, sexual orientations, marital status, family status or veteran status. Accommodations for persons with disabilities may be requested by calling 906-884-4386 at least one week prior to the scheduled event to ensure sufficient time to make arrangements. Requests received after this date will be met when possible.

Wisconsin Dairy & Beef Well-Being Conference



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website

National Dairy FARM 4.0

Fitness for transport

Heat stress

Disbudding and pain management

Maternity cow management

Genetic selection

Registration \$50

3.5 Veterinary CEUs \$25

1 BQA CEU - Free with registration

<https://bit.ly/AnimalWellbeing2022>

2.22.22

**Farm Wisconsin
Discovery Center
Manitowoc, WI**

2022 Manure Applicator 101 training

Focused on the needs of for-hire manure applicators and farmers who apply their own manure, these 3-hour sessions review the basics of safe application, setbacks, spills response and public relations.

Locations for 2022 include

- Abbotsford City Hall: March 29, 12:30
- Barron, Barron County Government Center, March 8, 9:30 am
- Birnhamwood, Matsche Farm, March 16, 1 pm
- Chilton, Room 025, Courthouse Annex, March 1, 1 pm and 6 pm
- Chippewa Falls, Room 003, Courthouse, March 21, 1 pm
- Darlington, Lafayette County Multi-Purpose Building, March 3, 8 am
- Green Bay, Rm 138, Brown County STEM Center, UW-GB Campus, March 7, 6 pm
- Luxemburg, Fairgrounds, March 7, 12:30 pm and March 10, 12:30 pm
- Zoom (on-line) Date TBD

The sessions are \$10 in advance, \$15 at the door. Online registration is available at <http://go.wisc.edu/482h87>. For more information,

contact Jerome.Clark@wisc.edu, Kevin.Erb@wisc.edu or Joshua.Kamps@wisc.edu, or call Kevin Erb at 920-391-4652.

Shawano County Forage Council will pay the first year of local membership for all NEW members regardless of county residence, who attend the meeting!

Forage Production Clinic

March 3, 2022

10:00 am to 3:00 pm

Backroom Angie's Main Cafe

132 S Main St, Shawano, WI

Presentations (CCA credits applied for)

Management Tips for Waterhemp in Alfalfa

Mark Renz, Management Tips for Waterhemp in Alfalfa

Research Update: Effects of Potassium, Sulfur, & Boron on Alfalfa Production

Scott Reuss, UW Madison Extension Marinette & Oconto Crops and Soils Educator

Dairy Revenue Protection and Livestock Gross Margin tools in Risk Management

Robert Netrefa, GreenStone Farm Credit Services Senior Crop Insurance Specialist

Auction and Annual Meeting to follow lunch



Advance Registration Required by February 24th

Make checks payable to: Shawano County Forage Council

Return to: Shawano County UW Extension 311 North Main Street, Shawano, WI 54166

Registration & Membership Options (lunch included in all options):

___ Midwest Forage Assoc & Shawano Co Forage Council Membership + Registration @ \$65

___ Shawano County Forage Council Membership + Registration @ \$40

___ Meeting Registration \$20

___ ***Meeting Registration and NEW Shawano County Forage Council Membership @ \$20***

Name(s) _____

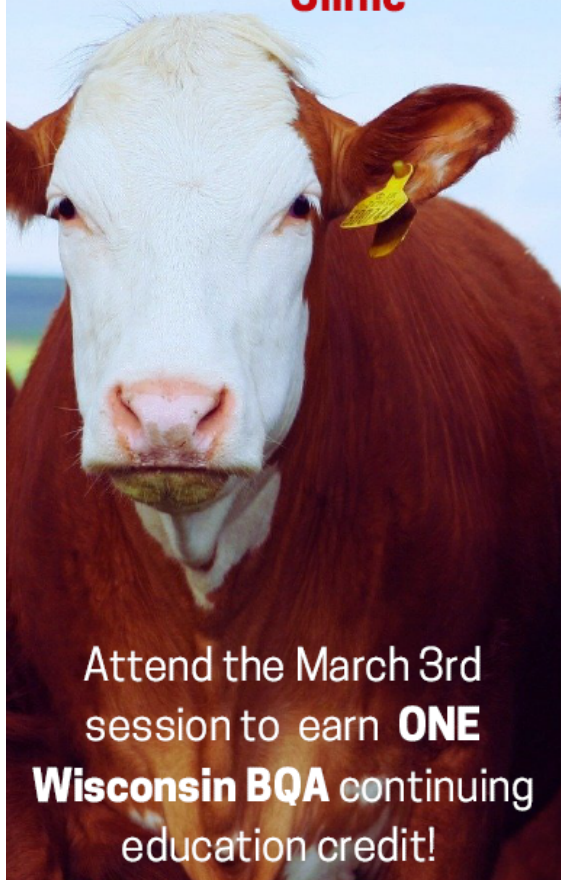
Address _____

Phone _____ Email _____



**UW-Madison
Extension 2022**

**VIRTUAL
Cattle Feeder
Clinic**



Attend the March 3rd
session to earn **ONE**

Wisconsin BQA continuing
education credit!



JOIN US!

TUESDAY, MARCH 1, 2022, 7:00 PM

Using Enogen Corn Hybrids in Feedlot Rations

Dr. Galen Erickson - University of Nebraska Extension Feedlot Specialist

Market Outlook for Cattle Feeders in 2022

Dr. Brenda Boetel - Livestock Marketing Specialist, UW-Extension

THURSDAY, MARCH 3, 2022, 7:00 PM

**Stockmanship: How Does Your's Affect
Cattle Performance?**

Bill Halfman - UW-Madison Extension Ag Agent - Monroe County

**Management Considerations for Cattle Feeders When
Feed Prices are High**

Dr. Galen Erickson - University of Nebraska Extension Feedlot Specialist



REGISTER HERE

or visit us at

www.extension.wisc.edu/events

or scan the code

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Optimizing value of dairy beef cross cattle webinar series-March 8 & 22

Many dairy farms breed a portion of their herd to beef bulls. Current observations indicate these animals can be extremely variable in health, growth, performance, and carcass traits, which creates problems for feeders and packers.

University of Wisconsin-Madison Extension is hosting a webinar series in March to present information on practices that can help optimize the value of dairy beef cross animals. The workshops are slated for March 8 and March 22, 2022 with two discussion sessions each day, the first from 11 a.m. to noon and the second from 12:30 to 1:30 p.m. There is no charge to participate in the webinar series, but registration is necessary at <https://livestock.extension.wisc.edu/events/>

On Tuesday March 8, the first discussion will address selecting beef bulls to best compliment dairy cows to consistently produce cattle with desirable carcass and feedlot performance traits. The second discussion (which will also be translated in Spanish) will address how the quality of post-partum and early age calf care impact their health, growth, and performance for their entire lives. Wisconsin BQA certified participants attending the calf care session can receive one Wisconsin BQA continuing education credit.

On Tuesday March 22, the first discussion will address feeding and managing dairy beef cross cattle from 400 lbs to finish. The second discussion will present information on marketing options for dairy beef cross cattle. Presenters include Jerad Jeborak, Michigan State Feedlot Specialist, Dan Schaefer, UW-Madison Professor Emeritus Beef Nutrition, Brenda Boetel, Extension and UW-River Falls Livestock Economist and Bill Halfman, UW-Madison Extension Agriculture Agent. Wisconsin BQA certified participants attending the feeding and management session can receive one Wisconsin BQA continuing education credit.

Local Workshops

All of these events are being held at the Lena Town Hall (6087 Goatsville Road, at Jagiello Road intersection - northwest of the Village of Lena). As there will be lunch served at all of them, I ask that you pre-register (by the day before the event) so that I can have enough food. However, if you didn't register and decide to attend the day of the event, please do so, there will be no late fees. Register by calling me at 715-732-7510, text/call to 715-701-0966, or email to scott.reuss@wisc.edu All events will have a \$10 registration fee per person, payable at the event.

Crop Economics and Programs Decision-Making Friday, February 25 10 a.m. to 3 p.m.

The morning program will feature discussions and scenario analysis regarding the ARC vs. PLC decision; Crop Insurance selection; and integrating the two into a strong risk management program. Scott Reuss will lead the ARC vs. PLC discussion and introduce crop insurance opportunities. Mel Gross, Pound Insurance Center, will be providing detailed crop insurance decision-making points, including reminders of ways that producers can maximize coverage or possibly cut their per acre premiums.

After lunch, attendees will work through base budgets for differing crops and cropping rotation situations. Risk management practices are most effective when a farm fully understands the costs and risks involved with different crop input situations. During this process, producers will be able to think through and analyze how different input levels may impact both their costs of production, as well as their potential return. The analysis will be facilitated by Reuss, but will be driven by the producers and agronomists in attendance.

Forage Management: Maximizing Return per Acre Tuesday, March 1 10 a.m. to 3 p.m.

- + Corn fields grown for silage versus grain: Maximizing profitability by fine-tuning management – Joe Lauer, UW-Madison Corn Agronomist
- + Nitrogen rate decision-making on alternative forages – 2021 results from NE WI.
- + Cocktail forage mixes: How they fit into a rotation, Management tips, Recent field, feeding, and fermentation research in WI. – Matt Akins and Luiz Ferraretto, UW-Madison Dairy Science
- + Alfalfa fertilizer management in a high-cost year – balancing rotation vs. in-year economics.
- + Perennial Forages: Mixing grasses and alfalfa appropriately.

Employee Training, Recruitment, and Retention Wednesday, March 16 10 a.m. to 3 p.m.

Split program with Training issues in the morning and Recruitment/Retention discussion in the afternoon. Mel Gross, Pound Insurance Center, will be leading discussion on OSHA requirements and training, how an insurance program may fit in, or be benefitted by, having a good training program, and other aspects. Reuss will be leading discussion and skills building exercises regarding recruitment and retention and we will watch a presentation by UW-Madison Farm Safety specialists regarding how to conduct effective training and how to build an environment of safety on the farm.

Nutrient Management in 2022: Maximizing Return to applied nutrients Tues., March 22 10 a.m. – 3 p.m.

Join Jamie Patton, Regional Nutrient & Pest Management Specialist, and Scott Reuss as they lead discussion and calculation exercises regarding optimizing economic return to 2022 nutrient applications. Morning discussion will focus on corn, soybean, and small grains. Afternoon discussion will finish off grains and soil testing and then focus on forage crops, including annual crops such as sorghum sudangrass and other grass alternative forages, as well as perennial forages with a focus on alfalfa.

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