

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 UW-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 715-923-0807
scott.reuss@ces.uwex.edu

Sarah Mills-Lloyd
920-834-6845
sarah.mills-lloyd@co.oconto.wi.us

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Corn Silage 2018 Newsletter

Corn silage harvest is rapidly approaching, with the chance of some farms having already gotten started on early maturing corn or in particular situations. Make sure you collect moisture data to guide your harvesting, whether through the UWEX sampling dates below and on page 2, or through other sources, or your own equipment.

There are some different options for corn silage sampling collection this year, plus the 'traditional' route which I have been utilizing many of the last years. Please take advantage of these free opportunities to help you harvest at the optimum time.

Congratulations to all our county's youth for their efforts at the fairs in the last few weeks. Also, congrats to the 14 youth who were certified in the UWEX Tractor & Machinery Safety training last month.

Scott Reuss

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Calendar of Events (contact us if you want info on an event)

Sept. 4, 10, 18	Corn silage sampling main route (pg. 2/3)
Thurs., Sept. 6 10:30 - 2	Silage Sampling - Criv. Feed Mill
Thurs., Sept. 6 6 p.m.	Harmony Peppers, Sweet and Spicy
Tues., Sept. 11 10:30 - 2	Silage Sampling - Town of Pound
Fri., Sept. 14	Kimberly Farm Management Update (pg. 5/6)
Sat., Sept. 15 1 pm	Harmony Plant Sale & Plant Pest Clinic
Sept. 16-22	National Farm Safety & Health Week
Fri., Sept. 21 10:30 - 2	Soybean, Cover Crops Field Day, along with corn silage sampling (pg. 8)
Sept. 26- 28	Pewaukee Dairyland Initiative Workshops (pg. 7)
	- Automatic Milking System Facility Design
	- Positive Pressure Tube Ventilation Design for Calf Barns
Thurs., Oct. 4 5 p.m.	Harmony Fall Landscape/Garden Mgmt.
Mon., Oct. 8 7 p.m.	Harmony Astronomy at the Arboretum
Sat., Oct. 13 2-5 pm	Harmony Fall Family Fun Fest - great family fun for all!!

The 2018 Shawano County Forage Council 2018 Corn Silage Drydown Dates will be Wednesdays – August 22nd through September 19th. Drop off samples by 2:30 p.m. at United Co-op, 1212 Bay Lakes Road, Shawano

Corn Silage Sampling - 2018

Free to producers within Marinette, Oconto, and Shawano Counties. Sponsored by the UW-Extension offices. Other samples accepted for a \$10 per sample fee.

Tuesday, September 4th, Mon., Sept. 10th, and Tues., Sept. 18th

8:30 a.m. to 9:15 a.m.

Middle Inlet Town Hall - intersection of Marinette Cty. Hwy. X & Hwy 141.

9:45 a.m. to 10:30 a.m.

Fendryk Farms, Cty Hwy. P and 25th Road, 2 miles west of Hwy. 141. Use the 25th Road entrance to the farm (just south of Cty. P) for easiest access.

11 a.m. to 12:15 p.m.

Kuchta Farms' grain bin site on Marinette County Hwy M, 2.5 miles west of County W.

12:45 p.m. to 1:45 p.m.

Peterson Farms, 6336 Goatsville, 1.5 miles west of Hwy 141 (2 miles north of Cty. A) Use the easternmost driveway to find the sampling setup.

2:15 p.m. to 3 p.m.

Curt Kohls' farm, just northwest of Gillett on Klaus Lake Road, just south of Town Hall Road, which is the first road off Hwy. 32 north of Gillett. Sampling setup will be at the southern edge of the farm.

Thursday, September 6th

10:30 a.m. to 2 p.m.

Crivitz Feed Mill: Part of their Customer Appreciation Day, for more details contact them at 715-854-2681.

Tuesday, September 11th

10:30 a.m. to 2 p.m.

Charapata Seeds Hybrid Plot: N2915 N 9th Road, Coleman (junction of 9th Road and Cty. Hwy. B)

Plot tours and corn management discussion ongoing throughout the entire day, as well. If questions, contact Kris Charapata at 715-923-5827.

Friday, September 21st

9:30 a.m. to 1 p.m.

Along with Soy Population, Cover Crops, and Winter Wheat Field Day found on page 8. Located at intersection of Blaser Lane and Oconto Cty. Hwy. C (2.5 miles north from Cty. Hwy. S or 1.5 miles south from Cty. Hwy. D).

These opportunities are meant to be a chance to get your silage, snaplage, or HMC samples tested in a relatively convenient manner. Also take advantage of other opportunities that you may have through your agronomist, nutritionist, or by conducting your own sampling and testing. If doing the testing on the farm, just make sure you take the time to either calibrate your methodology and to do the methods properly.

Collecting a Good Sample

Sample collection is very important to getting good test results. The first step to collecting a good sample is to think about all the different fields and/or varieties that you want tested. Each variety will mature and dry-down differently, and there are always differences from field to field, so plan on sampling most of the fields that you are thinking about ensiling this year.

When collecting the actual sample plants, collect your sample according to the variability in the field. If the field is pretty consistent, collect at least five plants in a W-shaped pattern from the area being sampled. If the field is variable, collect more plants and collect at least one or two from each size of plants found in the field. Wrap the plant stems in wet paper and bring all your separate samples to the collection site nearest you. If in doubt, collect a few more plants for each given sample, or collect more than one sample according to field variability, whether it be soil type, variety, or whatever else.

Lastly, collect them as soon as possible before you leave for the collection site. Call Scott's cell phone at 715-923-0807 if you are running behind so that he can either wait for you or arrange a meeting point.

Storage considerations for corn silage

High-quality corn silage can be produced in many different types of storage structures. However, each structure type - bunker silo, silage bag, upright silo, or silage pile - needs to have the corn silage at a certain range of whole-plant moisture to achieve the best possible results. The recommendation is to hit the following ranges:

Silo Type	Recommended Moisture %
Upright	60-65
Upright, oxygen-limiting	50-60
Horizontal silos	65-70
Silage bags and piles	60-70

Packing Capacity – When packing silage into a bunker silo, you must have enough packing weight to adequately handle the forage coming into the bunker. If you do not pack adequately, you will lose dry matter and forage quality. A quick rule-of-thumb is that you need about 800 lbs of weight per delivered wet ton per hour. For example, 80 tons delivered per hour requires 64,000 lbs of packing capacity. Stated Simply: Pack or Lose! If you do not take the time to pack correctly, you will have lost 2 to 5 times as much silage to spoilage as you should. So do your best by:

1. Use the heaviest tractors you can. Total weight has shown to be more important than per tire weight.
2. Unload the silage in thinner layers. This will allow each layer to be more properly packed.
3. If feasible, slow down your delivery rates. The single most important variable to final silage density in a significant study a couple years ago was delivery rate. If the rate was less than 60 ton/hour, the final density was sufficient, if more than that, the density decreased.
4. Harvest at the right moisture for your system. See above.

Assistance with buying/selling corn silage / snaplage / HMC

There are always fields of corn that get sold from producer to producer. Make sure you work together to come up with a 'good for both of you' contract that spells all appropriate features out clearly. I am willing to assist in yield estimations, valuation, contract wording, or however else you need assistance. Contact me and let me know what you need and we will set times to get it done.



Hybrid Winter Rye Forage Trial Results - 2018

Shawn P. Conley, State Soybean and Wheat Extension Specialist
Adam Roth, Senior Research Specialist
John Gaska, Senior Outreach Specialist
University of Wisconsin, Madison

A research trial was established in the fall of 2017 at the Arlington Agricultural Research Station, Arlington, WI to help determine the value of hybrid winter rye as a forage. Three hybrid winter rye varieties were tested along with one winter triticale variety. The first cutting was taken at Feekes 10.1 (head emergence), and a second cutting was taken at Feekes 11.1 (kernel milky ripe).

Experimental Procedure				Field Information			
Exp. Design:	RCB			Previous Crop:	Soybean		
Replicates:	2			Soil fertility:	pH: 7.3	O.M.: 3.4%	
Plot size:	Planted:	7.5' x 18'		Tillage:	P: 31 ppm	K: 119 ppm	
	Harvested:	5' x 14'			No-tillage		
Row Spacing:	7.5"			Planted:	September 25, 2017		
Seeding Rate:	Rye =	800,000 seeds/acre		Nitrogen:	55 lb N/a @ green up in spring		
	Triticale =	1,500,000 seeds/acre					

Variety	Species	Harvest		Crude Protein (%)	RFQ ¹	Dry Matter Yield (ton/acre)	Milk per			
		Growth Stage	Date				Ton (lbs)	Acre (lbs)		
KWS Daniello	Rye	10.1	23-May	16.4 A	139.8 A	2.85 DE	3,186 A	9,073 D		
KWS Progas	Rye	10.1	23-May	15.3 B	132.3 AB	3.05 D	3,082 A	9,385 D		
KWS Propower	Rye	10.1	23-May	13.8 C	123.3 B	3.00 DE	2,875 BC	8,615 D		
Trical 815	Triticale	10.1	29-May	15.9 AB	135.0 AB	2.68 E	3,064 AB	8,204 D		
KWS Daniello	Rye	11.1	22-Jun	6.9 E	100.4 C	5.47 B	2,515 DE	13,756 B		
KWS Progas	Rye	11.1	22-Jun	7.5 DE	110.3 C	5.70 AB	2,699 CD	15,358 A		
KWS Propower	Rye	11.1	22-Jun	7.1 E	108.8 C	5.84 A	2,660 D	15,523 A		
Trical 815	Triticale	11.1	22-Jun	8.5 D	98.9 C	4.45 C	2,460 E	10,921 C		

¹ RFQ = Relative Feed Quality

Results followed by the same letters are statistically the same.

Forage samples were analyzed using near infrared spectroscopy.

For more information, contact
UW-Extension Ag Agent
Greg Blonde
715-258-6231
greg.blonde@ces.uwex.edu

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Extension Offices in the
following counties:**

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Outagamie County
Ozaukee County
Shawano County
Sheboygan County
Washington County
Waupaca County
Winnebago County



Farm Management Update for Ag Professionals



**Friday, Sept 14, 2018
9:00 am - 3:00 pm
Liberty Hall, Kimberly**

800 Eisenhower Drive
Kimberly, Wisconsin
(920) 731-0164





Farm Management Update for Ag Professionals

Friday, September 14, 2018

Liberty Hall, Kimberly

- 9:00 am **Registration, milk, coffee, juice, and rolls**
- 9:30 am **“Market Outlook / Strategies”**
- Robin Schmahl, Ag Marketing Consultant, AgDairy LLC
- 10:15 am **“Exit Planning”**
- Scott Gunderson, Manitowoc County Extension Dairy & Livestock Agent
- Stephanie Plaster, Washington/Ozaukee County Extension Agriculture Agent
- 11:00 am **“Extension Beef Budgets & Benchmarks”**
- Bill Halfman, Monroe County Extension Agriculture Agent
- 11:45 am **Lunch**
- 12:45 pm **“Crop Update”**
- Kevin Jarek, Outagamie County Extension Crops/Soils Agent
- 1:00 pm **“WI AgFA Farm Bench Program”**
- Jenny Vanderlin, UW Madison Center for Dairy Profitability
- 1:30 pm **“Dairy Policy / Farm Bill Update”**
- Dr. Mark Stephenson, UW Madison Center for Dairy Profitability
- 2:15 pm **“2018 Farm Building Collapse Update”**
- Dr. Dave Bohnhoff, UW-Madison Agriculture Structural Engineer
- 3:00 pm **Adjourn**



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Farm Management Update for Ag Professionals Registration Form

Name(s): _____

E-Mail(s): _____

Business: _____

Address: _____

City: _____

Zip: _____

Phone: _____

Registration Fee: \$40 per person

Make check payable to: **Waupaca County**

Mail this registration form and check to:

Waupaca County UW-Extension

811 Harding Street

Waupaca, WI 54981

715-258-6231

Registration Deadline: Sept 7, 2018

Local/Regional Events - Agriculture & Horticulture

Dairyland Initiative Workshops, Sept. 26, 27 & 28 in Pewaukee, WI

Online registration is now open at <https://apps.vetmed.wisc.edu/cereg/>; see the brochure for registration by phone or fax. Up to 24.6 veterinary continuing education credits are available.

Wednesday Sept. 26: Positive Pressure Tube Ventilation Design for Calf Barns

For the last time in-person, Dr. Ken Nordlund and Courtney Halbach will lead participants through hands-on exercises to learn how to use the Positive Pressure Tube Calculator (PPTC) to design positive pressure tube ventilation (PPTV) systems for calf barns. Participants will leave this workshop with field-ready skills to improve respiratory health in calf barns. Trainees will be listed on The Dairyland Initiative website as trained consultants in positive pressure tube design. Following the workshop, trainees will have the opportunity to become a Dairyland Initiative Certified Consultant in PPTV design for youngstock housing. Participants *must* bring a computer that has Microsoft Office installed.

Thur. and Friday, Sept. 27-28: AMS Facility Design

The Dairyland Initiative is excited to host the first independent workshop on how to design adult cow barns with automatic milking systems (AMS). Dr. Nigel Cook and 4dBarn advisors, the global leaders in AMS facility design, will walk you through how to create AMS facilities that maximize labor efficiency and optimize cow health. Main points of discussion will include barn layout, gating systems, transition cow housing, stall design, and ventilation.

This interactive, two-day workshop will combine lectures, discussion, and case-based group exercises. Participants will leave the workshop with the ability to tackle AMS building projects and provide solutions that maximize animal well-being and performance.

Thanks to the generous support of [Saputo Inc.](#), all U.S. dairy producers are eligible for a 20% discount on registration for the AMS facility design workshop.

Program questions may be directed to:

Courtney Halbach, Associate Outreach Specialist
608-262-6800

courtney.halbach@wisc.edu

Registration, transportation & accommodation questions may be directed to:

Kathy Nelson, Director of Continuing Education
School of Veterinary Medicine, University of Wisconsin
608-265-5206

Kathy.nelson@wisc.edu

Programs at Harmony Arboretum yet this fall

Peppers: Are you Sweet or Spicy?

Thursday, September 6 from 6 to 7:30 p.m.

Tasting peppers can become an adventure in taste bud trauma if you don't know what you are sampling. This evening will give you the chance to knowingly sample a wide array of mild, warm, or spicy (if you so desire) pepper cultivars and possibly a few dishes made from them. We'll also review plant care, proper harvest and storage procedures, and some ways you can preserve them for later use.

Fall Plant Sale & Plant Pest Clinic

Saturday, Sept. 15 from 9 a.m. to Noon

Support the work done at Harmony Arboretum by purchasing plants from the Northern Lights Master Gardener Volunteers. Also an opportunity to bring samples of plants for identification or plant pest problems for both identification and management information.

Fall Landscape & Garden Management

Thursday, Oct. 4 from 5 p.m. to 6:30 p.m.

Although the growing season is mostly over by mid-October, there are still a litany of tasks we can and should be doing to get our gardens and landscapes ready for the next growing season. Join in the discussion and hands-on activities at this session led by Scott Reuss.

Halloween Family Fun Fest

Saturday, October 13 from 2 to 5 p.m.

Join in the fun and learning that takes place at this kid-oriented family event. Consider it a mini-version of our counties' breakfast on the farm events, with dairy calf and other small farm animals on site for learning and experiencing. In addition, there are multiple hands-on nature crafts, activities, games, and food stand available with fall-oriented theme foods.

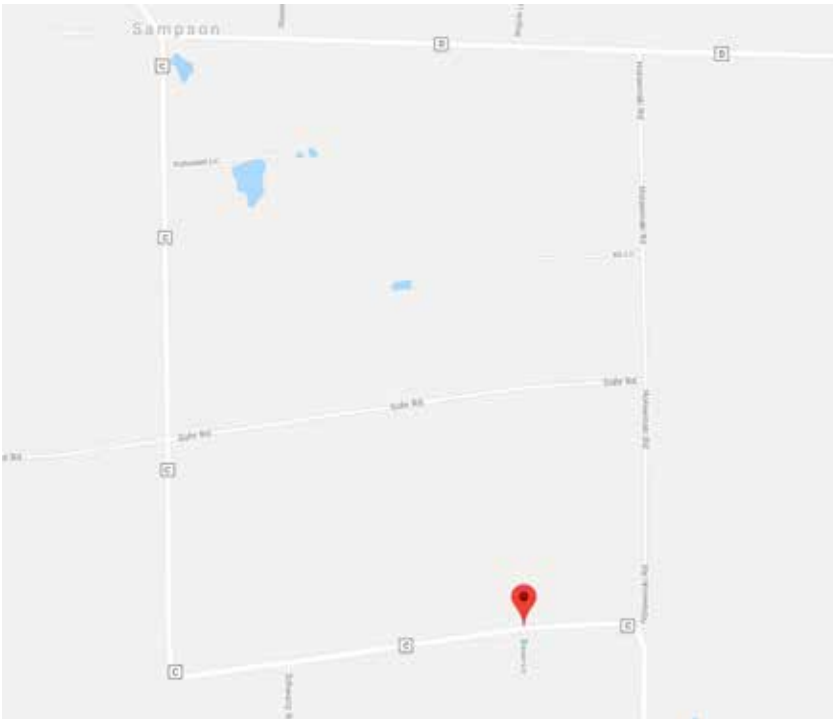
Entrance free for all. Food pantry donations are accepted and food stand items are low cost. Thank you to Marinette County Dairy Promotions for supporting this event with chocolate milk and string cheese for all youth attendees.

Soybean Population, Cover Crops, and Winter Wheat

An in-field workshop

Friday, September 21st Town of Chase

10 a.m. to 1 p.m.



Field site is located on east side of Blaser Lane adjacent to Cty. Hwy. C. North of Cty. Hwy. S about 2.5 miles or south from Cty. Hwy. D about 1.5 miles. Signs and a pop-up tent or two will be present.

Free to attend, light lunch at end of program, and reference materials given out to all attendees

****Also the last 2018 corn silage sample collection event. Bring your corn samples along if you have fields yet to test for silage, snaplage, HMC, etc... If only bringing corn samples, please try to be there toward the end of event.**

Hosted by Greg Blaser in a field that was winter wheat, planted to a cover crops mix in mid-August. Field across the road is a soybean population plot planted in 30" rows, with planted populations in 30K increments from 60,000 to 180,000.

What we'll see and/or discuss at this event:

- Effects of soy population on yield potential and disease risk; what are the best planting rates for different soil/yield conditions in our area?
- Cover crop efficacy in dry conditions; timing and mixes of cover crops to consider.
- NRCS Cost-share opportunities, economic realities of cover crops.
- Winter wheat planting and management considerations in fall.
- Open discussion opportunity on all other topics

