

Central Wisconsin Agricultural Extension Report



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Industrial Hemp in Wisconsin: The First Steps!

Ken Williams—Agriculture Agent, Waushara County

The University of Wisconsin Madison and UW Extension have been inundated with questions related to industrial hemp production since the passing of the 2017 Wisconsin Act 100. The below information was authored by Patrick Robinson, Associate Dean Department of Agriculture and Natural Resources, Cooperative Extension, University of Wisconsin Extension. Patrick recognizes William (Bill) Barker Associate Dean for Research, The College of Agricultural and Life Sciences, The University of Wisconsin - Madison as a significant contributor to this article. Patrick also recognizes The Department of Agriculture Trade and Consumer Protection (DATCP) and the National Institute of Food and Agriculture (NIFA) sources as some language was copied verbatim for legal purposes.

- Wisconsin growers will be able to grow and process industrial hemp under 2017 Wisconsin Act 100, a law recently passed by the Legislature and signed by the Governor. The law directs the Wisconsin Department of Agriculture, Trade and Consumer Protection to write an emergency administrative rule that will spell out the details of the program, including requirements for growers. This is a **pilot program** to study growth, cultivation and marketing of industrial hemp. **Participants will be required to obtain a license from DATCP to grow hemp, and to pass a background check before receiving a license.** DATCP will complete the emergency rule by March 2, 2018. This rule will remain in effect until July 2020, or until the permanent administrative rule is completed – whichever comes earlier. **As of today, the rules and pilot program have not been developed. More can be found here: https://datcp.wi.gov/Pages/Programs_Services/IndustrialHemp.aspx.**
- USDA NIFA is authorized to support industrial hemp **research** where such activity complies with state law. **Further, the researcher must either 1) be an institution of higher education or state department of agriculture, 2) or grow the industrial hemp under the auspices of a state agricultural pilot program. More can be found here: <https://nifa.usda.gov/industrial-hemp>.**
- Section 7606 of the 2014 Farm Bill did not alter the approval process for new drug applications or any other authorities of the FDA, nor does it alter the requirements of the Controlled Substances Act that apply to the manufacture, distribution, and dispensing of drug products containing controlled substances. Whether hemp may be grown for food and pharmaceutical products remains a question for the FDA and/or the DEA.
- State agricultural pilot programs must provide for State registration and certification of sites used for growing or cultivating industrial hemp.
- Importing seeds into Wisconsin to begin the hemp program may require permission from the U.S. Drug Enforcement Agency, which could affect the time when production can begin.

Farmers will need to be patient as this is a very new and dynamic area for both Wisconsin farmers and the legal system.



WHAT IS AgrAbility? *of Wisconsin*



Since 1991, AgrAbility of Wisconsin has been promoting success in agriculture for farmers and their families living with a farm injury, disability or limitation. AgrAbility of Wisconsin is a partnership between the University of Wisconsin Extension and Easter Seals Wisconsin.

AgrAbility of Wisconsin has created a significant impact on Wisconsin agriculture by providing assistance in over 6,000 cases to farmers and farm families who have been able to continue farming or return to the farm work site through AAW intervention. A strong partnership between Easter Seals Wisconsin and the University of Wisconsin- Extension has been key to making Wisconsin's project one of the most successful of its kind in the country.

What does AgrAbility do?

The vision of AgrAbility is to enable a high quality lifestyle for farmers, ranchers, and other agricultural workers with disabilities. Through education and assistance, AgrAbility helps to eliminate (or at least minimize) obstacles that block success in production agriculture or agriculture-related occupations.

AgrAbility serves WI farmers

AgrAbility serves those agricultural workers who are limited by any type of physical, cognitive, or illness-related disability, such as:

- amputation
- arthritis
- back impairment
- deafness/hearing impairment
- developmental disabilities, such as cerebral palsy or autism
- disabling diseases, such as cancer or heart disease
- mental/behavioral health problems
- respiratory diseases
- spinal cord injuries
- stroke
- traumatic brain injury
- visual impairment



What services does AgrAbility provide?

AgrAbility offers the following services at no cost to customers:

- Conducting on-site assessments to identify barriers to completing tasks both in the agricultural workplace and the home.
- Recommending appropriate assistive technologies (equipment/tools/devices), modified work practices, and/or other possible solutions to overcoming disability-related limitations.
- Providing access to informational materials on a variety of topics related to disability and agriculture.
- Providing education/training opportunities through workshops, conferences, seminars, and on-line programs.
- Referring customers to other service providers for potential assistance (e.g., financial, rehabilitative, educational) specific to the clients' needs.
- Arranging for peer support opportunities that connect customers with others who have successfully accommodated their disabilities.

AgrAbility does not provide direct funding or equipment. However, AgrAbility often works with the state Vocational Rehabilitation department and other funding sources to help customers obtain needed assistive technologies and modifications.



Agricultural Equipment Exchange

Years after working with AgrAbility, farmers who have changed their operations no longer need or use equipment received through the program. As a way of paying it forward for the equipment that had once been of great use to them, the Agricultural Equipment Exchange is a website that allows farmers to pass on that equipment to make another farmer's work easier and to make it possible for others to continue to do the work that they love.

Because a farmer's resources might be affected by a chronic health condition or disability, the hope is that these items can be made available at little or no cost. That decision is made by the farmer offering the equipment.

Contact AgrAbility for more information on posting or purchasing equipment.

How do I contact AgrAbility?

AgrAbility of Wisconsin
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 460 Henry Mall
 Madison, WI 53706
 (608) 262-9336 Voice
 (608) 262-1228 Fax
<http://bse.wisc.edu/agrability>
aaw@mailplus.wisc.edu email



Selecting the right Cover Crops for your Farm

Alana Voss—Agriculture Agent, Juneau County

As you look into the different cover crops that are available, it is difficult to determine which cover crop species or cover crop mixes will work best for your farm's needs. Deciding what your goal for the cover crop is will help in deciding your best option to plant. Examples of cover crop species that can help achieve different goals include:

- **Grass Species**
 - ◊ Help control erosion and increase organic matter in the soil due the large root systems
- **Brassicas**
 - ◊ Due to fall growth can assist with erosion control late in the season
 - ◊ Can be used as a forage
 - ◊ Brings diversity to the plant varieties being planted and the microbes in the soil
- **Legumes**
 - ◊ Commonly used as a cover crop or in a mix for increasing the nitrogen available
 - ◊ Helps decrease the amount of fertilizer nitrogen needed

Crop rotation, equipment needs, herbicide and manure applications are all factors to be considered prior to deciding the best cover crop for you and your farm. Evaluate all factors that can play affect into growing cover crops before selecting the option that is best for you. To evaluate your situation, some questions to ask your self are:

- What crop will you be planting prior to the cover crops?
- How will you plant the cover crop?
- What herbicides from the previous two years will the cover crops be getting planted into?
- How will you terminate the cover crop?
- When are you applying manure? Spring and/or fall?

After looking at all the factors that can affect your decision, it will be easier to determine the best fit. Also, talking with individuals who have previously tried cover crops will benefit you to learn from their experiences. Likewise, the best option for you is to start small with only a few acres and build upon your own personal experiences at growing cover crops and what works best for your farm.

Let's take a look at a brief summary of some of the best options for the traditional crops grown in Wisconsin. This overview is for cover crops to follow crops such as wheat, corn silage, soybeans, and grain corn. Since the CWAS territory is in the southern half of Wisconsin according to the map provided, we will discuss the suggestions for cover crops in southern Wisconsin. You can find more on the northern half of Wisconsin cover crops on the UW-

Extension Cover Crops Website by following this link: <https://fyi.uwex.edu/covercrop/>.

Wheat

This early harvested crop makes for a great option to have cover crops planted after the harvest season. Normally, the cover crop options to plant vary depending on the location you are at in Wisconsin, but due to the early harvest allows for many of the options to be comparable

throughout the state. One concern can be dealing with volunteer plants after harvesting. It might be a good idea to allow the volunteer plants to grow enough to use a non-selective herbicide before planting, but timing can make it difficult if harvesting after July.

Small Grains and Grasses

- Oats and Spring Barley
 - ◊ Both will grow in late summer and continue until the ground freezes
 - ◊ They create a lot of residue to help in limiting the amount of erosion in the spring
 - ◊ Oats and Spring Barley can also be used as a forage in the fall, but by doing so will take away the ability to control erosion in the spring
- Annual Rye Grass
 - ◊ Has become popular and affordable option, but is not encouraged due to the difficulties to control it as a weed
 - ◊ It is able to overwinter in Wisconsin, but can make it difficult to use herbicides on due to that ability
 - ◊ Creates a lot of seeds the next year and there has been multiple glyphosate resistant types found
- Winter Rye and Winter Triticale
 - ◊ Can be planted in September and August for late summer and over-winter coverage
 - ◊ Rye can create a thick cover in fall and grows quickly in the beginning of spring
 - ◊ If used as cover crops need to be eradicated by late April before the plant becomes too large to control
 - ◊ Can be harvested in the spring as a forage

Brassicas

- Radish



- ◇ Fast growing, can produce large taproot that can go several feet down in the ground if planted in July or August
- ◇ Help relieve compaction in the soil through the roots making its way through the many compacted layers
- ◇ However, research suggests growth of the radish can be restricted due to compaction and often is not able to break up compaction
- Other options
 - ◇ Turnips and Rapeseed are comparable to the radish with the tap-rooting, but has less root volume
 - ◇ Turnips will winter kill, but Rapeseed should survive winter and need to be chemically removed in the spring
 - ◇ They do not leave a lot of residue due to rapid decomposition and due to this will not offer a lot of help with erosion control
 - ◇ Brassicas do offer a lot of diversity into crop rotation and microbes in the soil

Legumes

- Can benefit from clover by harvesting as a forage and all options are good for wheat, corn, and soybean grain crop rotation
- Usually planted in a mixture with grasses and/or brassicas to create more residue cover to help reduce spring erosion
- Berseem Clover- fast growing clover and will winter kill, does not do well during dry conditions
- Crimson Clover- winter kills, but might survive in warm winter, pH sensitive and can tolerate dry periods, if survives winter grows very quickly in spring
- Field Peas- cool season annual that is large seeded, best if used with spring cereal grain to promote climbing and reduce lodging
- Medium Red Clover- perennial that is short lived and is best planted with spring cereal grains or frost seeding in March to April into the fall established cereal grains
- Mixes have had limited research, but some statements that hold merit is that they can add more organic material and nutrients to the soil, can improve soil structure and compaction due to the root structures of cereal grains and grasses, multiple species MAY improve the biological and physical benefits to the soil.
 - ◇ Suggested mixes with radishes:
 - ◆ Radish at 5 to 8 lbs. per-acre + 30 lbs. per-acre oats or spring barley
 - ◆ Radish, 5 to 8 lbs. per-acre + 35 lbs. field peas + 30 lbs. per-acre oats or spring barley
 - ◆ Radish, 5 lbs. per-acre + 8 lbs. berseem clover + 10 lbs. annual ryegrass

Corn Silage

Due to the extreme loss of residue after corn silage it is extremely important to consider using cover crops following this crop to protect your soil from harsh winter and

spring conditions.

Small Grains and Grasses

- Spring Barley and Oats
 - ◇ Can be planted in mid-September and will winter kill
 - ◇ Can also be planted during the growing season of the silage
- Cereal Rye and Triticale
 - ◇ Can be planted all the way into October and can survive winter and need to be terminated in the spring
- Rye
 - ◇ Is more winter hardy than triticale and can be planted very late, but lacks the nutrition that triticale has to offer as a forage for spring cut for dairy operations

Brassicas

- Due to lack of growing days after the corn silage harvest it is not recommended to plant following corn silage

Legumes

- Due to lack of growing season for the legumes to create nodules and fix nitrogen it is not recommended to grow after corn silage

Soybeans and Corn Grain

Small Grains and Grasses

- Cereal Rye and Triticale
 - ◇ Both can be planted well into October and both will not winter kill, but rye will do better with a later planting date than the triticale
 - ◇ Both will need to be terminated in the spring, but if harvesting in the spring as a forage Triticale is preferred
- Annual Ryegrass, Oats, and barley are not suggested to be planted after soybeans due to the lack of growing days after harvesting soybeans and grain corn to create enough residue to make an impact and all will winter kill
 - ◇ However, if planted during the soybean growing season they may be able to create enough residue to make an impact for winter and spring erosion

Brassicas

- Due to lack of time for cover crop to become established and grow it is not suggested to plant brassicas after soybeans and corn grain.

Legumes

- Due to lack of growing season for legumes to form nodules and fix nitrogen it is not recommended to plant legumes after soybeans and corn grain

You can learn more about cover crops by checking out the UW-Extension Cover Crops Website by following this link <https://fyi.uwex.edu/covercrop/conference/>. Also, there is a Cover Crops Conference this winter in Stevens Point, WI on February 27, 2018. You can learn more by seeing the ad in this newsletter on this upcoming event or follow this link to learn more: <https://fyi.uwex.edu/covercrop/conference/>.



YOU'RE INVITED!

WISCONSIN COVER CROP CONFERENCE

INVESTING IN YOUR FARM'S FUTURE

FEBRUARY 27, 2018

HOLIDAY INN
STEVENS POINT, WI

This conference will help Wisconsin farmers use cover crops more successfully on their farms. There will be something there for everyone, from farmers that have never tried cover crops to veteran cover croppers.

Keynote Speaker: Barry Fisher, NRCS Indiana
Editors of "No-Till Farmer" magazine recognized Barry Fisher as one of the Nation's Top 25 No-Till Legends.

Early Registration (before February 1st): \$40 per person
Lunch & snack breaks included in registration fee

Exhibitor tables available for sponsors.
See website for more information.

<http://fyi.uwex.edu/covercrop/>



WISCONSIN COVER CROP CONFERENCE

FEBRUARY 27, 2018

Agenda

- 9:00 - 9:30 Registration
- 9:30 - 10:30 Barry Fisher - *Soil Health Principles: Using cover crops and reduced tillage to improve your crop rotations*
- 10:45 - 12:15 Concurrent Sessions: *Select a session*
 - Session 1: Cover crops for Wisconsin grain systems
 - Session 2: Cover crops for Wisconsin livestock systems
- 12:15 - 1:15 Lunch and time to visit with exhibitors
- 1:15 - 2:00 Concurrent Sessions: *Select a session*
 - Session 3: Risk management/Soil health economics
 - Session 4: Planter set-up for no-till and cover crops
- 2:15 - 3:15 Concurrent Sessions: *Select a session*
 - Session 5: Cover crop basics
 - Session 6: Advanced cover cropping - Seeding into standing crops & standing covers
- 3:30 - 4:00 Cover crops dos and don'ts
Moderator, Barry Fisher
- 4:00 Round table discussions with farmers



Thank you to our sponsors



Pesticide Applicator Training with Simultaneous Spanish Translation

Entrenamiento de Aplicador de Pesticida – Español

**January 30, UW Fond du Lac,
400 University Drive
Fond du Lac, WI 54935-2998
Room AE-205/206
9:00 am to 5:00 pm**

**March 28, Portage County
Annex Building, Rooms 1 & 2,
1462 Strongs Point
Stevens Point, WI 54481-2947
9:00 am to 5:00 pm**

Cost \$30

Registration is required (lunch provided).

Order at the PAT Store

(https://patstore.wisc.edu/secure/browse_cat.asp?category_id=30)

The Certification Exam will be offered in English and is optional. Attendance does not guarantee certification

A pesticide applicator training designed specifically for Spanish-speaking individuals will be held on January 30 and March 28. The training will be presented in English and simultaneously interpreted into Spanish by a team of professional language interpreters. The day will also include Worker Protection Standard training for workers and show the EPA approved training video in Spanish. Participants will have the option of taking the private applicator certification test following the training. *Please note: The training is offered in both English and Spanish, but the test is only offered in English. Employers, foremen and managers are welcome to accompany their employees.*

Un entrenamiento de aplicador de pesticidas, diseñado específicamente para personas de habla hispana se llevará a cabo el 30 de enero en la UW Fond du Lac en el Condado de Fond du Lac. El entrenamiento se presentará en Inglés y simultáneamente interpretado al español por un equipo de intérpretes de lengua de profesionales. El día también incluirá entrenamiento sobre el Estándar de Protección del Trabajador para los trabajadores y se mostrará el video de entrenamiento aprobado por la EPA en español. Los participantes tendrán la opción de tomar el examen de certificación de aplicador privado después del entrenamiento. Tenga en cuenta: El entrenamiento se ofrece en Inglés y Español, pero el examen sólo se ofrece en Inglés.

Para registrarse por favor vaya a la tienda del Programa PAT de la Universidad de Wisconsin Programa PAT y seleccione "General Farming" 100/101 bajo el título "Private Applicator Training".

**Para obtener más información, póngase en contacto con:
languageaccess@ces.uwex.edu or 608.263.1125**



Partners:

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Loretta Ortiz-Ribbing, Crops & Soils Agent, Fond du Lac County Extension
Dominic Ledesma, Language Access Coordinator, UW Cooperative Extension
Translation Services by: Motiva Training & Consulting
Wisconsin Department of Agriculture, Trade & Consumer Protection
UW - Pesticide Applicator Training (PAT) Program,



Our Mission: To bring University of Wisconsin unbiased, research-based educational information to the residents of Portage County. University of Wisconsin, U.S. Department of Agriculture and Wisconsin counties cooperating. UW-Extension provides equal opportunities in employment and programming including Title VI, Title IX and ADA.

2018 Private Pesticide Applicator Training Classes Offered

Ken Schroeder—Agriculture Agent, Portage County

Private Pesticide Applicator Training classes will once again be offered by your local UW-Extension office. Anyone who intends to purchase, mix, load, apply, or direct the use of restricted use pesticides as a private applicator must be certified. Certification is good for five years. There are two ways to become certified. Purchase and study the training manual and attend an all-day training class offered by your local UW-Extension office. These classes consist of presentations followed by a written exam

at the end of the day. If you are unable to attend one of the classroom sessions, the second option is to self-study and schedule time through the UW-Extension office to take the exam on your own. Training manuals are available at your local UW-Extension office and must be purchased prior to exam day.

Please register at least one week prior to the exam date at the Extension office where you will be taking the exam.

January 5	-	Green Lake County
January 9	-	Waushara County
January 16	-	Adams County
February 9	-	Portage County
February 9	-	Juneau County
February 15	-	Marquette County
February 16	-	Wood County (Marshfield)
February 21	-	Marathon County (Wausau)

February 22	-	Marathon County (Stratford)
March 1	-	Waupaca County (Waupaca)
March 2	-	Portage County
March 2	-	Clark County (Neillsville)
March 7	-	Clark County (Colby)
March 9	-	Clark County (Thorp)
March 16	-	Portage County
March 23	-	Adams County



**Heart of the
Farm
Coming to
Marquette
County**

Save the date!

New this year for Marquette County will be a Heart of the Farm program for farm women. The Heart of the Farm program will be March 16 at the Neshkoro Area Community Center. More details to come. If you are interested in knowing more about this program and to get on the mailing list for when registration details are available, please contact Lyssa Seefeldt at 608-297-3141.

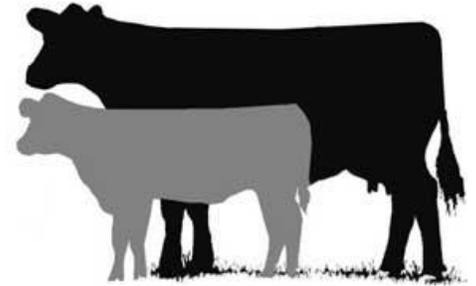
Wisconsin Dairy & Beef Well-Being Conference

Lyssa Seefeldt—Agriculture Agent, Marquette County

The annual Wisconsin Dairy and Beef Well-Being Conference will be held March 21, 2018 at the Tundra Lodge in Green Bay, WI. New to the conference this year is a pre-conference on March 20 geared toward dairy workers. The pre-conference will focus on dairy worker skills and will be simultaneously presented in Spanish. Topics that will be covered include pain management of dehorning, managing lameness, animal handling as it relates to carcass quality, and more. Topics for the conference and pre-conference will be posted as they are available on the conference website. Regular conference pricing is available by registering prior to March 9. Cost is \$50 for one day registration or \$80 for veterinarians. Two day registration is \$75 or \$105 for veterinarians. A \$20 late fee applies for any registrations re-

ceived after March 9. Continuing education credits are available for veterinarians, veterinary technicians, hu-

mane officers, and ARPAS members. For farmers with a Beef Quality Assurance Certification, you will be eligible for one continuing education credit to maintain your BQA certified status. Registration details will be available at <http://fyi.uwex.edu/animalhusbandryconference/> by late January 2018. For questions on this conference, contact Lyssa Seefeldt at 608-297-3141.



Harsdorf Encourages Farmers to Complete Ag Census

News Release—Wisconsin Department of Agriculture, Trade & Consumer Protection

EDITORS NOTE: A video message from Secretary Harsdorf is available online at <https://youtu.be/TI-x5OQgDbc>. MADISON – Tis' the season when mailboxes and front porches are overflowing with holiday cards and wrapped packages. Through all the hustle and bustle, farmers should also look for their 2017 Census of Agriculture form, set to arrive in the mail this December. Wisconsin Department of Agriculture, Trade and Consumer Protection (DATCP) Secretary Sheila Harsdorf encourages farmers to complete and return their Census this winter.

"I know how busy you are with fall harvest and farm chores, but I promise you that filling in your Census is time well-spent," said Harsdorf. "As a legislator, I saw how valuable census data was when making policy decisions. I know as Secretary, we here at DATCP will use the census information often when working with government officials, agribusinesses and industry partners."

The Census of Agriculture is a complete count, taken every five years, of America's farms, ranches and the people who operate them. About 84% of Wisconsin farmers completed the 2012 Census of Agriculture, which was one of the highest response rates in the country. Wisconsin State Statistician Greg Bussler hopes that we can exceed that number this year.

"The Census of Agriculture is the only source of uniform, comprehensive and impartial agricultural data for every county in the nation," explained Bussler. "The more farmers who complete the census, the more accurate the in-

formation we'll have available for decision makers to rely on."

Data on land use and ownership, operator characteristics, production practices, expenditures and more is captured. Information provided in the Census of Agriculture will be kept confidential, and results will be available in aggregate form only.

Farms of all sizes, whether in rural or urban areas, should be counted. A farm is any place from which at least \$1,000 of agricultural products were produced and sold, or normally would have been sold, during 2017.

"The Census is each farmer's opportunity to report how big of an impact agriculture really has on our local communities, state and country," added Harsdorf. "This is the chance for farmers to share their story and influence future budgets, services, programs and policies. Thank you for taking time to complete the Census."

New this year, farmers can complete the Census online or via the mail. The online form is accessible on any electronic device, calculates totals automatically and skips questions that do not pertain to your operation. Visit www.agcensus.usda.gov for more information.

The deadline for farmers to complete the census is February 5, 2018. Census data will be available in February 2019.

For more information, call the National Agricultural Statistics Service at (888) 424-7828.

Pork Quality Assurance (PQA) Plus and Transport Quality Assurance (TQA) Training

Lyssa Seefeldt—Agriculture Agent, Marquette County

Pork Quality Assurance and Transport Quality Assurance training is a good marketing tool that can show consumers that you care about doing things in a responsible manner while delivering a high quality end product. The training can help guide you with best management practices to ensure a safe work environment while maintaining animal well-being.

Transport Quality Assurance focuses on helping swine transporters, producers and handlers understand how to handle, move and transport pigs and the potential impacts of those actions on pig well-being and/or pork quality. The TQA training also covers rules and regulations that handlers and transporters need to be aware of.

Area swine producers and their employees will have an opportunity to become PQA and TQA certified:

- **January 17, 2018 starting at 9 am** at the Marquette County UW-Extension office in Montello
- **March 23, 2018 starting at 9 am** at the Portage County UW-Extension office in Stevens Point

Other training dates and locations are available per request for individuals with expiring PQA Plus certifications. More training dates will be available throughout the year. Please note that a Spanish version of the training is also available.

This training is an opportunity to certify in the program, or renew your certification(s). The PQA training session will focus on the 10 Good Production Practices, which are common sense practices based on sound scientific principles. The PQA training will take approximately 3 hours. Individuals must pass an open-book exam, missing three questions or less. Certification is good for three years from the training date.

For TQA training, the session will last about 2 hours. You must pass a 50 question, open-book exam. Successful completion of the training results in certification that is good for three years from the date of your training.

To register for this session, please call the Marquette County UW-Extension office at 608-297-3141 with your name, phone number, which location, and

how many are attending by **January 12 or March 19** re-



spectively. Please include the names of any additional people attending. Please contact the Marquette County UW-Extension office to register for the Spanish version to ensure that the Spanish materials are available for the training. If you need an accommodation to fully participate in this program, please contact Marquette County UW-Extension at 608-297-3141 or WI Relay 711. Please allow us sufficient time to arrange the accommodation.

Does January 17 or March 23 not work for your schedule to re-certify? An online option is available to you. Contact the Marquette County UW-Extension office to enroll in this option. Other training days and locations can be arranged to get producers certified as needed. Please contact Lyssa Seefeldt at 608-297-3141 to discuss additional training days and location.

UW-Extension Crop Research Updates from State Specialists

Do you want to know the latest and greatest research coming out from the UW-System? Check out the links below for the most current research on field crops and variety performance.

- 2018 Pest Management in Wisconsin Field Crops: <https://goo.gl/X5FYc9> (Note: lengthy file at 270 pages)
- 2017 Forage Variety Update for Wisconsin (A1525): <https://goo.gl/hvPzzF>
- 2017 Corn Hybrid Performance Trials (A3653): <https://goo.gl/5TMDnn>
- 2017 Oats & Barley Performance Tests (A3874): <https://goo.gl/au2169>
- 2017 Winter Wheat Performance Trials (A3868): <https://goo.gl/dwDBHr>
- 2016 Soybean Variety Performance Trials (A3654): <https://goo.gl/x646Hp>
- 2017 Commercial Vegetable Production in WI (A3422): <https://goo.gl/UtZDHD> (Note: lengthy file at 318 pages); the 2018 version will be available late January 2018.

Hosted by the Midwest Forage Association & Wisconsin Custom Operators

SYMPOSIUM

February 19-21, 2018
Chula Vista
WI Dells

2018

Brochure available at <https://goo.gl/tDx8JC>



Driftless Beef Conference

The annual Driftless Beef Conference will be held January 25-26, 2018 in Dubuque, IA. More information is available at <http://www.aep.iastate.edu/beef/>.

Pork/Corn/Soy Expo

The Wisconsin Pork Expo is held in conjunction with the Corn/Soy Expo every year. Once again, the expo will be held in Wisconsin Dells on February 1-2, 2018. The UW-Extension swine team will be present and there will be an opportunity to get PQA Plus certified as well as Transport Quality Assurance certified. Expo details are available at <http://www.wppa.org/expo/>. The training is free of cost, and you do not need to register for the Expo to attend the training. Please RSVP to the Wisconsin Pork Association at 608-723-7551 if you plan on attending the PQA or TQA training so there can be enough training materials on-hand.

Cattle Feeder Meeting

Lyssa Seefeldt—Agriculture Agent, Marquette County

Once again, the central Wisconsin area will be hosting a cattle feeder meeting. This year we will be in Stevens Point at the Extension office, time to be determined yet, but save the date of February 28, 2018. Topics to include: corn starch and feedlot cattle performance, transportation quality assurance opportunities, market outlook, and beef decision making tools. A registration form with more details will be mailed to farmers on the Marquette County beef mailing list. If you are unsure of whether you are on the mailing list, contact the Marquette County UW-Extension office at 608-297-3141.



GrassWorks Grazing Conference

The annual 2018 GrassWorks Grazing Conference will be held January 30-February 1 at the Chula Vista Resort in Wisconsin Dells. Grassworks.org has more information and registration details. To view the conference brochure, visit <https://goo.gl/mZzmkb> (this is a direct link to the GrassWorks Conference Brochure).



WI Garden Expo

The Wisconsin Garden Expo will be held February 9-11, 2018 at the Alliant Energy Center in Madison. More details can be found at <http://www.wigardenexpo.com/>.

Visit the
Central Wisconsin Agricultural Specialization Team
on the web <http://fyi.uwex.edu/cwas/>

Hoof Health

Matt Lippert—Agriculture Agent, Wood County

As I write this we have had a real old fashioned start to the winter. Sometimes we think of lameness as being a problem associated with summer or fall as cows sometimes experience lameness as a follow up to heat stress. However cows not getting the exercise they need in a tie stall barn due to cold weather can also contribute to lameness. In free stalls in cold weather cows may avoid certain stalls or even entire rows of stalls because of frozen, lumpy hard surfaces. During extreme cold weather it is not unusual to find that cows are standing significantly more than is desirable. Cows in many different environments are at risk of becoming lame. Concrete can be a problem but also in grazing systems where cows need to walk from field to milking center cows are at risk of becoming lame. Lameness is a condition that can vary in severity. Counting all degrees of lameness studies in several countries have typically shown 20% of cattle showing some degree of lameness on average.

Lameness can be influenced by nutrition, genetics, environment, contagious pathogens, hoof care programs and age. During cold weather make effort to keep stalls even and useable, use sand or shavings to make frozen walking surfaces less slick, if cows walk to the parlor try to minimize time that cows are away from their stalls. Cows should be able to lie down 12 to 14 hours per day. It may appear that

cow's schedules are not very rigid but it takes time to eat and drink, to

be milked etc. In the end cows scheduled do need to be watched to make sure they have time to do important things such as lying down. Too much time in the parlor, too much time in headlocks for herd examinations, crowding causing competition for stall space or cows standing avoiding uncomfortable stalls can all rob cows of important lying time.

There are a couple of publications at the UW I encourage you to look at regarding lameness: <https://fyi.uwex.edu/dairy/1765-2/>. Here you will find Hoof Health and Nutrition and the rest of the "Walking Strong" Series of Extension Publications.

Also I recommend a web browser search for "The Effect of Housing Type on Lameness Prevalence in Wisconsin..." a poster by Nigel Cook of the UW Vet School.

We know that the soundness of a cow's feet and legs are an important basis for her profitability and overall health. We also know there are big differences among herds in the prevalence of lameness and that it is an area we need to continue to work on to do better.



SNAP-Plus Training: February 27, 2018

Green Lake County UW-Extension & Land Conservation

SNAP-Plus is computer software designed for Wisconsin farmers to prepare their Nutrient Management plan. You will have a chance to work on your nutrient management plan using SNAP-Plus. It is an excellent tool for tracking nutrient applications and updating your nutrient management plan every year.

Benefits of SNAP-Plus training include: saving money by writing your own plan; reduced fertilizer cost; managing soil fertility; maximizing crop yields; tracking your crop nutrient application; and crop rotation history. Todd Morris, Soil Conservationist, Department of Land Conservation, Green Lake County will be the instructor for the training.

The training will be held at the Green Lake County Government Center on February 27, 2018 from 10

am-3 pm. Please ask your lab for an electronic copy of the soil test report in SNAP-Plus. If you don't have an electronic copy, just bring your written copy and we will download it into SNAP-Plus for you. Please bring your laptop with SNAP Plus downloaded or staff will help with downloading on day of training. If you do not have a computer, please let us know and we will provide you with one.

There is no registration fee, but pre-registration is appreciated in advance so we may make lunch arrangements. For registration, please call Kathy Ninneman at 920-294-4032 OR email at: Kathleen.Ninneman@ces.uwex.edu OR stop by Green Lake County UW-Extension office located at 571 County Road A, Green Lake.

North Central Heart of the Farm Women in Agriculture Conference



Matt Lippert—Agriculture Agent, Wood County

The North Central Heart of the Farm - Women in Agriculture Conference will be held at the Belvedere Supper Club, M329 St. Hwy 97, Marshfield, WI on February 14, 2018 from 9:30 am to 3:30 pm. UW-Extension offices from Clark, Marathon, Taylor and Wood counties, the UW- Center for Dairy Profitability, Ruder Ware, Marathon County Farm Bureau and AgCountry Farm Credit Services are providing support for this conference.

The Heart of the Farm - Women in Agriculture Conference series is a UW-Extension program that is committed to addressing the needs of farmwomen by providing education on farm business topics, connecting them with agricultural resources and creating support networks.

Topics and Presenters Include:

Developing Your Goals for Farm Succession: UW-Extension Agriculture Agents will guide participants through the family dynamics involved when formulating goals for a farm's succession. During this interactive session, participants will discuss the family goals to be discussed before visiting an attorney.

Expectations from the Farm Succession Attorney: a Ruder Ware attorney will provide her perspective regarding the farm-succession attorney relationship, stressing the items discussed when visiting your attorney.

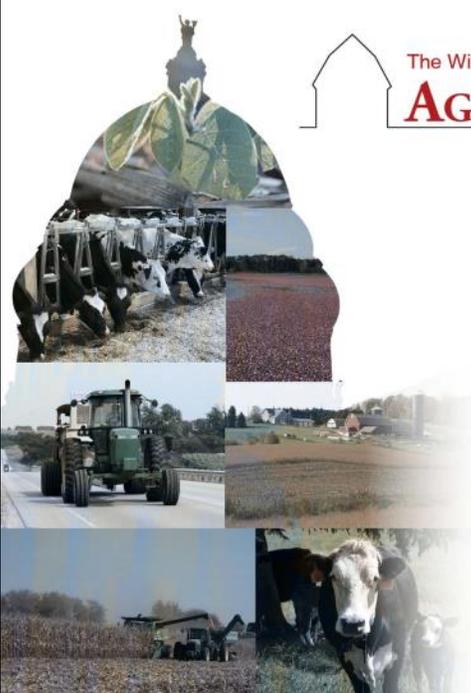
Taking Care of You: UW-Extension Family Living Agents will share this presentation to help participants increase their awareness of how stress influences their body, emotions, thoughts and health behaviors. Participants will also increase their knowledge of healthy strategies and skills to manage their stress levels. Throughout the day, free 10-minute chair massages will be by Back to Bliss.

When Starting Your Business: Join this panel to hear tips from area women entrepreneurs regarding what it takes to start a home-based business.

The registration deadline with payment is February 7, 2018 and costs \$25 per person (includes materials, lunch, snacks and chair massage). After February 7, registration costs \$35/person. Registrations are non-refundable, except with prior authorization of the planning committee.

Visit the UW-Extension Wood County website, <https://wood.uwex.edu/> to view the agenda, register online or to obtain a brochure and paper registration, and for more information about this conference. Contact UW-Extension Wood County by calling 715-421-8440.

For more information on the Heart of the Farm Program, contact: Jenny Vanderlin, jmvander@wisc.edu, 608-263-7795, <http://fyi.uwex.edu/heartofthefarm/>.



The Wisconsin Farm Bureau Federation invites you to attend

AG DAY AT THE CAPITOL

January 24, 2018

Monona Terrace Convention Center • Madison, WI

Early Registration Deadline: January 18

Cost: \$25 per person by registration deadline.
\$30 after deadline and at the door.

Schedule of Events:

11:00 a.m. Registration
11:30 a.m. Opening Program
11:45 a.m. Lunch
12:30 p.m. Governor Walker Speaking
1:00 p.m. Legislative Briefings
3:00 p.m. Leave for Capitol Visits

Presented by:  Wisconsin Farm Bureau Federation

Thank You to Our Sponsors:

 Rural Mutual Insurance Company  FS GROWMARK

Nutrient Management Planning

This course is designed to develop a nutrient management plan that will meet the NRCS 590 Standard requirements. Participants will enter soil test information into the software program, SNAP-Plus, and will develop a plan using the data. Subjects include conservation plans, field mapping, soil test analysis, manure management and crop selection and requirements.

It is highly recommended that you have current soil tests no more than four years old, sampled on a one sample per five acre basis and analyzed by a DATCP approved lab.



These courses are in partnership with the Marathon, Clark, Lincoln, Taylor and Wood county UW-Extension offices and the county conservation departments from Marathon, Clark, Lincoln, Taylor and Wood counties.

**Please register for the Full Course if you are new to Nutrient Management Planning. If you have already taken the Full Course in the past, please register for the Refresher Course.

Additional family members and/or farm employees may attend with a registered attendee at no additional charge.

FULL COURSE - 12 HOURS TOTAL (SIX 2-HOUR SECTIONS)

Thursdays, January 18 - February 22 7:00 p.m. - 9:00 p.m.	\$260**
NTC Spencer Campus	Class #65125

FULL COURSE - 12 HOURS TOTAL (THREE 4-HOUR SECTIONS)

Fridays, January 5 - 19 10:00 a.m. - 3:00 p.m.	\$260**
NTC Medford Campus	Class #65122

Wednesdays, January 17 - 31 10:00 a.m. - 3:00 p.m.	\$260**
NTC Wausau Campus	Class #65123

Thursdays, January 18 - February 1 10:00 a.m. - 3:00 p.m.	\$260**
NTC Spencer Campus	Class #65124

Thursdays, March 1 - 8 and Tuesday, March 13 10:00 a.m. - 3:00 p.m.	\$260**
Wood County Courthouse, Wisc. Rapids	Class #65126

REFRESHER COURSES - 6 HOURS TOTAL

Friday, January 5; 10:00 a.m. - 3:00 p.m. Friday, January 12; 10:00 a.m. - 12:00 p.m.	\$130*
NTC Medford Campus	Class #25127

Wednesday, January 17; 10:00 a.m. - 3:00 p.m. Wednesday, January 24; 10:00 a.m. - 12:00 p.m.	\$130*
NTC Wausau Campus	Class #25128

Thursday, January 18; 10:00 a.m. - 3:00 p.m. Thursday, January 25; 10:00 a.m. - 12:00 p.m.	\$130*
NTC Spencer Campus	Class #25129

Thursdays, January 18 - February 1 7:00 p.m. - 9:00 p.m.	\$130*
NTC Spencer Campus	Class #25130

Thursday, March 1; 10:00 a.m. - 3:00 p.m. Thursday, March 8; 10:00 a.m. - 12:00 p.m.	\$130*
Wood County Courthouse, Wisc. Rapids	Class #25131

***Participants will receive a \$130 reimbursement upon completion of a nutrient management plan. Reimbursements are provided by a DATCP Nutrient Management Farmer Education Grant and administered by the county conservation departments.*

***Participants will receive a \$260 reimbursement upon completion of a nutrient management plan. Reimbursements are provided by a DATCP Nutrient Management Farmer Education Grant and administered by the county conservation departments.*

GET STARTED TODAY

To register, call 715.675.3331 and press "1" or visit www.ntc.edu/ce

QUESTIONS? Contact Continuing Education at 715.803.1034 or email ce@ntc.edu

Wisconsin Public Service Farm Show

EAA Grounds - Oshkosh, Wisconsin
March 27-29, 2018

9 a.m. to 4 p.m. Tuesday and Wednesday

9 a.m. to 3 p.m. Thursday

FREE ADMISSION—Parking \$3 per vehicle

For more than five decades, the WPS Farm Show has provided an opportunity for the agricultural community to check out the latest farming equipment, machinery, tools and services. Powered by [NatureWise®](#), the 2018 WPS Farm Show promises to be better than ever. The WPS Farm Show has exhibitors both indoors and outdoors.

- Free motorized scooters, manual wheelchairs and wagons for attendees who need mobility assistance.
- Three-day silent auction to benefit the Wisconsin FFA Foundation.
- On-site agricultural consultants from WPS to answer energy management questions
- More than 700 booth spaces
- More than 400 vendors will fill the EAA grounds
- The WPS Farm Show is expected to draw visitors from throughout Wisconsin, Michigan's Upper Peninsula, Minnesota, Illinois and Canada
- Centrally located Food Tent offering a wide selection of food
- Seminars on energy-efficient equipment and techniques
- Kiddie tractor pull to be held on Wednesday at 1:00 p.m.

The WPS Farm Show is a proud member of the Farm Show Council. For more information visit the website: <https://accel.wisconsinpublicservice.com/business/show.aspx> about the WPS Farm Show or call toll free at 866-920-3276.



Wisconsin Public Service

UW-Extension Non-discrimination Policy

Periodically, UW-Extension takes steps to assure that our partners know and understand our policy of nondiscrimination. This letter is to remind or notify you that the University of Wisconsin-Extension does not discriminate in the treatment of individuals, in the admission or access to its programs and activities, in the provision of services, or in employment.

Further, UW-Extension an institution receiving federal financial assistance through the U.S. Department of Agriculture, cannot participate with or partner with organizations that discriminate on the basis of any of the legally prohibited categories of discrimination, based on Civil Rights laws. Categories of prohibited discrimination include race, color, gender/sex, creed, disability, religion, national origin, ancestry, age, sexual orientation, pregnancy, marital or parental status, arrest or conviction record, or membership in the national guard, state defense force or any other reserve component of the military service.

Consistent with the Americans With Disabilities Act, persons who need materials in alternative format or other accommodations must write or call the UW-Extension contact person for the specific program or call the main telephone number of your local County Extension Office as early as possible prior to the event so appropriate arrangements can be made. Requests are kept confidential.

Individuals who need special access due to hearing impairment may contact TTY access may contact your local County Extension Office by calling the Wisconsin Telecommunications Relay System, 1-800-947-3529 or 711.





Green Lake County

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CENTRAL WISCONSIN AGRICULTURE SPECIALIZATION (CWAS)

A cooperative effort of seven
Central Wisconsin Counties and
University of Wisconsin Extension.



Our Mission

To be the primary source of research based
agricultural information and education for the
agricultural community in Central Wisconsin.

*University of Wisconsin, State Department of Agriculture and Wisconsin counties cooperating.
An EEO/AA employer, University of Wisconsin-Extension provides equal opportunities in employment
and programming, including Title IX and American with Disabilities (ADA) requirements.*