

Upper Midwest Grazing Educators Webinar Series

Green Lands Blue Waters



Teaching Resources Roundtable
October 9th, 2015

Hosted by Warren King and Jane Jewett



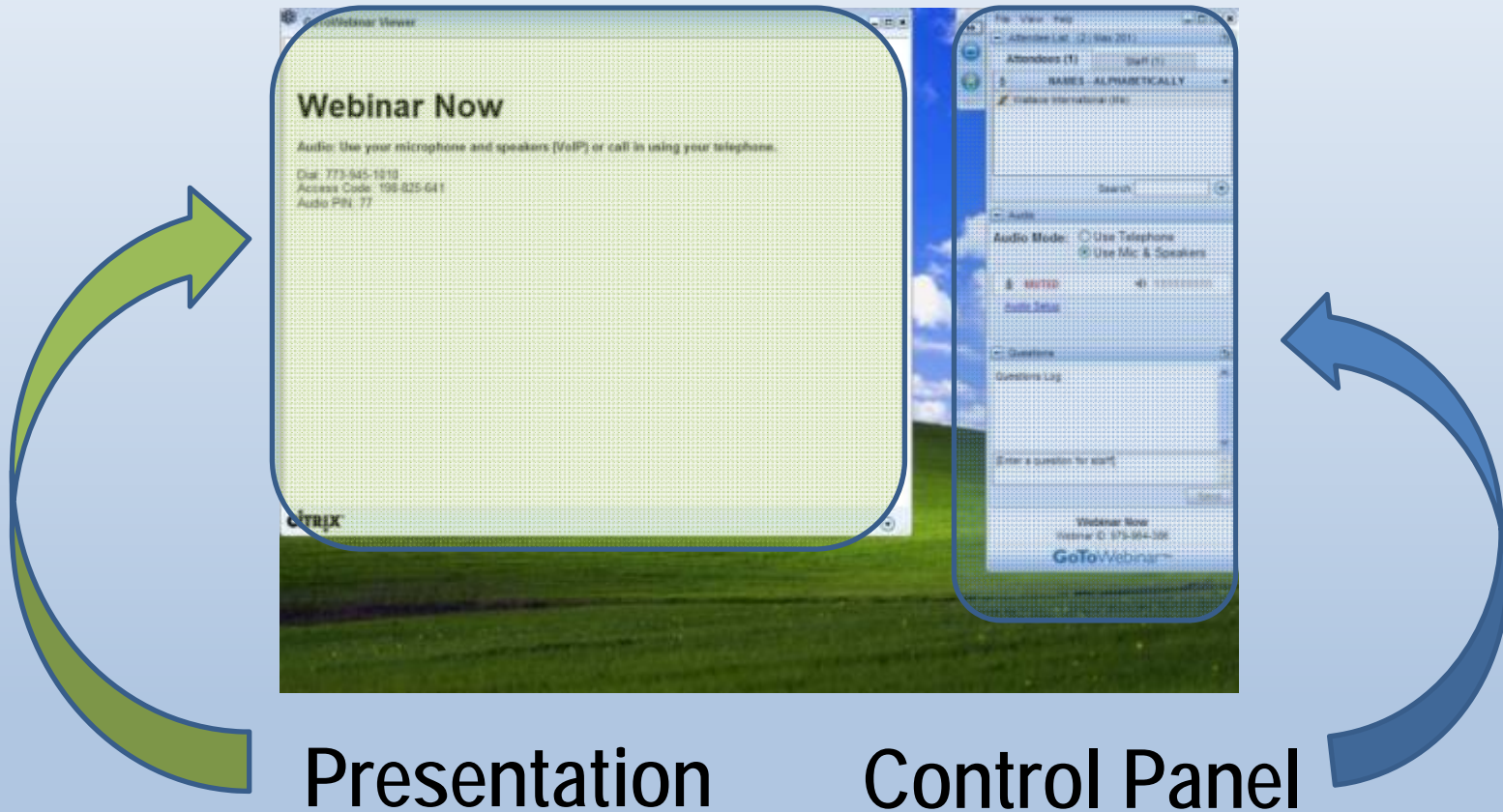
- Co-manager of the Pasture Project
- President of WellSpring, Ltd
- Work focused on expanding environmentally sustainable farming, developing local & regional food systems and improving water quality



- Research Fellow, University of Minnesota
- Green Lands Blue Waters Initiative

Webinar Technical Orientation

Your Starting Screen

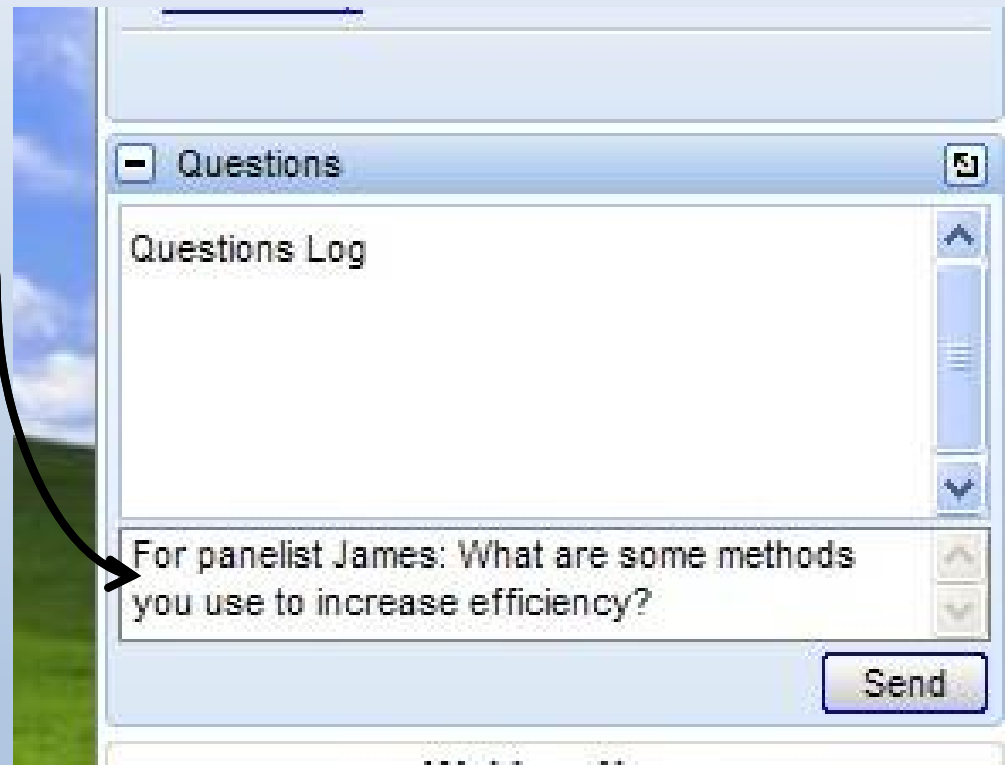


To Ask a Question

Type your question in the small box at the bottom of the chat box.

If possible, specify which panelist(s) you are addressing with your question.

Press "Send"!



Post-Webinar Survey

- We will be sending out a survey following the webinar.
- These surveys help to make for a better experience for everyone involved, if you could please take a moment to fill them out, it would be of great help to us.

Who's Sponsoring the webinar series?

Green Lands Blue Waters

Goals

- Increase perennial forage and pasture
- Improve environmental performance of farming
- Maintain production and profitability

The Pasture Project

Goals

- Expand grass-based livestock production
- Accelerate transition to sustainable farm production
- Improve water quality

Why Focus on Grazing Educators?

- The Upper Midwest is a unique geography
- More young farmers are interested in livestock production
- More landowners and conservationists are interested in livestock benefits
- More consumers want pasture raised meat and dairy products
- Less public funding for grazing networks and education
- Fewer professional development opportunities for educators
- Changes in grazing techniques and terminology
- No single source for education materials

What Could a Grazing Educator Network Achieve?

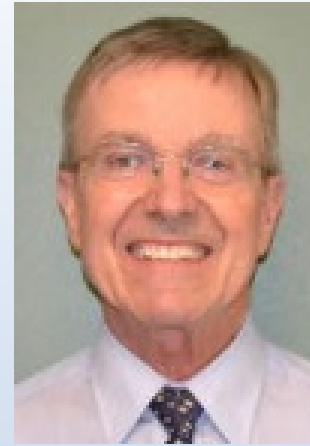
- Connect Upper Midwest Educators through discussion and sharing
- Assess education materials-tool; determine what's missing and fill the gaps
- Create a platform to house and access materials and tools
- Share what works and why
- Cross-pollination of staff, students, apprentices and programs
- Involve established grazing education programs
- Access materials-tools no longer in circulation
- Build collaboration that is more “grass-roots” than “top-down”
- Include educators of various types; farmers, academics, agency and consultants
- Establish basic principles of managed grazing that are taught by all

What is the format for today's webinar?

- **Presenters will present in four short segments, discussing resources for Grazing Education**
- **Audience is encouraged to engage in the discussion**
- **Moderators will “direct the traffic” and keep discussion moving**



- Caroline van Schaik works with farmers and landowners in the Root River watershed of southeast Minnesota as an organizer with the Land Stewardship Project.
- While cover crops, field research, conservation leases, healthy soil, custom grazing, and other aspects of agriculture occupy her with both men and women, part of her time is focused specifically on the needs of women and their expressions of land management.
- She and her family run sheep on an intensely managed grazing farm near the Mississippi River.



- Doug Gucker is a Local Food Systems and Small Farms Extension educator with University of Illinois Extension.
- He works with local producers and consumers to increase the availability of locally grown foods. In addition, his duties include being a local resource for agricultural issues within the DeWitt, Macon, & Piatt County unit.
- Doug has bachelor degrees in biology and agronomy and a master's degree in agronomy. He is an Illinois Certified Crop Adviser (CCA)
- His professional affiliations include the American Society of Agronomy and the Soil and Water Conservation Society.



- Vance J. Haugen is a University of Wisconsin Agriculture Extension Agent (since 1985) and is currently a county based faculty member located in Crawford County, Wisconsin.
- Vance was raised on a dairy farm near Thief River Falls, Minnesota and earned both his B.S. (1979) and M.S. (1984) degrees from the Ag. Engineering Department at North Dakota State University, Fargo, North Dakota.
- For the last 25 years pasture education has been the main focus of his extension work. In addition, since 1993 Vance, with his wife, Bonnie and three children, Inga, Olaf and Thor has operated a 230 acre, grass based dairy near Canton, Minnesota



- Gene Schriefer has been the Agriculture Agent with the University of Wisconsin – Extension for the past 6 years working primarily in Iowa County in the Driftless Region.
- He organizes and leads the Southwest Wisconsin grazing network which hosts a dozen pasture walks a season and the spring and fall grazing workshops.
- Prior to his extension position, he was the Grazing Specialist for Southwest Badger RC&D developing grazing management plans and grazing education for farmers and land owners in the seven southwestern counties of the Driftless region.
- Gene owns and manages a small farm in Dodgeville, WI grazing a white faced, commercial flock and crossbred beef herd focused on grass finished beef.

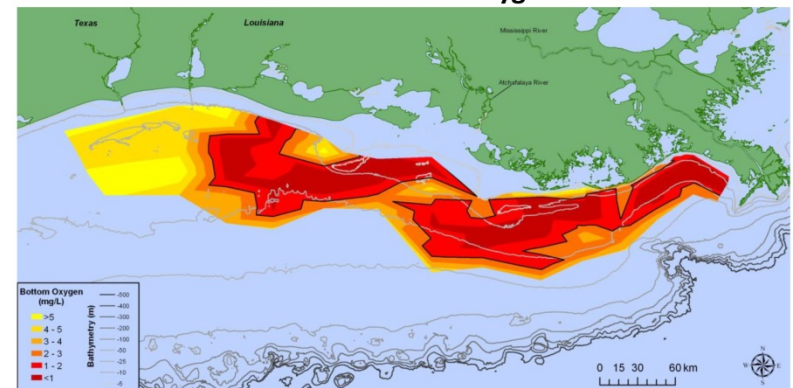
Grazing In Flat Central Illinois

- My three county area has
 - About 790,000 acres in farmland
 - 751,000 acres in Grain Crops
 - 6,000 acres in Hay Crops
 - Pasturelands too small to be reportable to USDA
- My graziers tend to be small producers on small acres not suited for row crops or houses and usually small ruminants.

Cows Grazing Stalk Field Overseeded with Cereal Rye & Brassica



Bottom Water Dissolved Oxygen – 2015



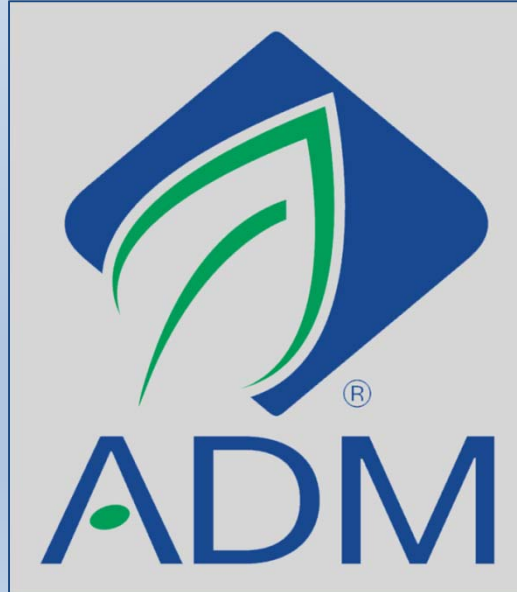
Distribution of bottom-water dissolved oxygen July 28-August 3, 2015 west of the Mississippi River delta. Black line denotes dissolved oxygen less than 2 mg/L.

Data source: Nancy N. Rabalais, LUMCON, and R. Eugene Turner, LSU
Funding sources: NOAA Center for Sponsored Coastal Ocean Research and U.S. EPA Gulf of Mexico Program



In-State Grazing Research ?

- Limited due to a by-products focus
- Last grazing specialist left in 2007
 - Dr. Justin Sexton, University of Missouri (now)



Small Ruminants

- Susan Schoenian, Sheep and Goat specialist, Western Maryland Research & Education Center

The screenshot displays the official website for the University of Maryland Extension's Sheep and Goats program. The header features the University of Maryland logo and a search bar. A navigation menu includes links for ABOUT, TOPICS, PROGRAMS, LOCATIONS, GET INVOLVED, LEARN, and NEWS & EVENTS. The main content area is titled "Sheep and Goats" and includes a "Home" link. A large image shows two goats in a field. To the left, there is a "Contact Us" section with the program's address (18330 Keedysville Road, Keedysville, MD 21756), phone (301-432-2767), fax (301-432-4089), and email (sschoen@umd.edu). Below this is a map showing the location of the Western Maryland Research & Education Center. The right side of the page features a "Headlines" section with links to various events and articles, including "2015 Junior Sheep & Goat Skillathon", "Nominate Meat Goat Bucks to Pasture Test", "First-ever Maryland Small Ruminant Expo", "Webinar Short Course: Pasture Management for Small Ruminant Producers. Get Your Goat", "PASTURE BASED MEAT GOAT PERFORMANCE TEST", "JUNIOR SHEEP/GOAT SKILLATHON", "WILD & WOOLLY NEWSLETTER", "WEBINARS", "Worm Control", and "Meat Goat Carcass Evaluation". At the bottom, there is an "Event Calendar" and a "Latest Articles" section with links to "Tools for Building Your Online Marketing Plan", "Understanding Agricultural Liability: Livestock and Other Animals (FS-990)", and "Understanding Agricultural Liability: Maryland Fencing Law (EB-419)". The footer of the page reads "University of Maryland Small Ruminant Extension Program".

Susan's SlideShare Content

Be the first to clip this slide

Clip slide

**2015 WINTER WEBINAR SERIES
PASTURE MANAGEMENT FOR SMALL
RUMINANT PRODUCERS**

**PART I:
PLANNING A PASTURE SYSTEM**

SUSAN SCHOENIAN & JEFF SEMLER - UNIVERSITY OF MARYLAND EXTENSION

1 of 24

Planning a pasture system 587 views

Share Like Download

University of Maryland Extension Small Ruminant Program
Following

Published on Feb 05, 2015

We'd love to hear what you think
By taking this short survey, you'll help us make SlideShare better. It shouldn't take more than a few minutes.

Start Survey

First session in a five part webinar series focused on small ruminant pasture management.

Recommended More from this author

Teacher Tech Tips
lynda.com PREMIUM VIDEO

Foundations of Teaching with Technology
lynda.com PREMIUM VIDEO

Gamification of Learning
lynda.com PREMIUM VIDEO

Pasture plants, including alternative forages
University of Maryland Extension Small Ruminant Program
572 views

PastureNutritionIV
University of Maryland Extension Small Ruminant Program
677 views

Pasture and grazing management
University of Maryland Extension Small Ruminant Program
586 views

PastureHealthProblemsV
University of Maryland Extension Small Ruminant Program
526 views

Targeted grazing
University of Maryland Extension Small Ruminant Program
2,897 views

Great source of continuing education for me.

2015 Small Ruminant Pasture Series

Susan has a lot of very current content

Management-Intensive Grazing in Indiana



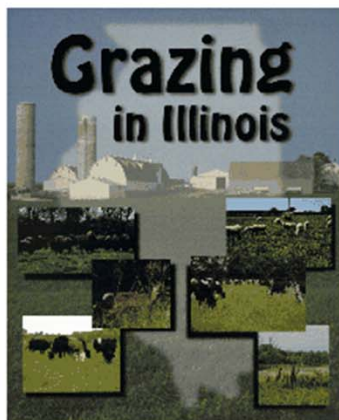
Purdue Extension
Knowledge to Go
1-888-FXT-INFO



Technical Resources

- ▣ [Conservation Planning](#)
- ▣ [Data, Maps, & Analysis](#)
- ▣ [Ecological Science](#)
- ▣ [Engineering](#)
- ▣ [Land Use](#)
- ▣ [State Technical Committee](#)

Illinois Grazing Manual



To download the entire Grazing Manual, we have split it into 4 Parts. The Part and its contents are below. For individual fact sheets, go to the appropriate item and scroll down to where you can access the PDF and print/download. Requires [Adobe Acrobat Reader](#) 5.0 or higher (FREE software).

[Part 1](#) (PDF, 1761kb) – General, Grazing Management, Establishment/Renovation, Noxious Weeds

[Part 2](#) (PDF, 2557kb) – Species

[Part 3](#) (PDF, 1341kb) – Animal Health, Fertility, Livestock Watering Infrastructure, Livestock Nutrition, Miscellaneous, References/Contacts

[Part 4](#) (PDF, 2613kb) – Livestock Handling Facilities

[General](#)

[Grazing Management](#)

[Inventories](#)

[Establishment/Renovation](#)

[Species](#)

[Noxious/Invasive Species](#)

[Animal Health](#)

[Fertility](#)

[Fencing Infrastructure](#)

[Livestock Watering Infrastructure](#)

[Livestock Handling Facilities](#)

[Livestock Nutrition](#)

[Miscellaneous](#)

[Reference Materials](#)



[Contacts](#)

Early Harvested Corn – Seeded Sept.




Generating Interest among
our few cow-calf producers



[Illinois](#)
[Indiana](#)
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[Kansas](#)
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[Minnesota](#)
[Missouri](#)

[Nebraska](#)
[North Dakota](#)
[Ohio](#)
[Ontario](#)
[South Dakota](#)
[Wisconsin](#)



[Home](#)

[Cover Crop Resources](#)

[Cover crop species](#)

[Cover crop selector tools](#)

[Innovator profiles](#)

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[Publications](#)

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[Links](#)

[Slurry seeding](#)

[Survey...coming soon](#)

[Calendar of Events](#)

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[Past events](#)

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WHAT ARE COVER CROPS?

Cover crops are plants seeded into agricultural fields, either within or outside of the regular growing season, with the primary purpose of improving or maintaining ecosystem quality.

The goal of the *Midwest Cover Crops Council* (MCCC) is to facilitate widespread adoption of cover crops throughout the Midwest, to improve ecological, economic, and social sustainability.

WHAT DO COVER CROPS DO FOR THE ENVIRONMENT?

- Enhance biodiversity
- Increase soil infiltration, leading to less flooding, leaching, and runoff
- Create wildlife habitat
- Attract honey bees and beneficial insects


WHAT DO COVER CROPS DO FOR FARMERS?

- Reduce erosion
- Improve soil quality, through increases in
 - Porosity (reduced compaction)
 - Soil organic matter
 - Water holding capacity
 - Beneficial microbes
 - Micro- and macro-invertebrates
- Retain nutrients that would otherwise be lost
- Add nitrogen through fixation (leguminous cover crops)
- Combat weeds
- Break disease cycles

NEWS

Cover crop events are being posted weekly, check for one in your area under [Upcoming Events](#)

New MCCC publication: [Integrating Cover Crops in Soybean Rotations](#)



The July MCCC [Board of Directors Meeting Minutes](#) have been posted.

The MCCC is hiring a [Program Manager](#), please visit the link for details!

New/improved cover crop extension publications from [Purdue University](#) on the Indiana page

- Cover Crop Selector
- Cover Crop Species
- Publications
- Extension Materials

Horses and Pastures

- Grazing or Exercise Yard?
- Information
 - Horse States: Maryland & Kentucky

The screenshot shows the University of Maryland Extension website. The header includes the logo and a search bar. A navigation menu lists ABOUT, TOPICS, PROGRAMS, LOCATIONS, GET INVOLVED, LEARN, and NEWS & EVENTS. Below the menu is a banner for "Maryland Horses" with several small images of horses and people. A sidebar on the left contains links to Home, Our Programs, Resources, Equine Rotational Grazing Demonstration Site, Our Educators, and 4-H Horse Program. The main content area is titled "Pasture Management" and "Demonstration Farm". It describes the University of Maryland's Rotational Grazing Demonstration Farm at its Central Maryland Research and Education Center in Ellicott City. It mentions that visitors can learn about grazing facility design, grazing research, and educational events. Below this, there are sections for "Publications" and "Getting Started", each with a list of resources. The "Publications" section includes "UMD's Rotational Grazing Demonstration Site" and "Development of an Equine Rotational Grazing Demonstration Site for Extension Education". The "Getting Started" section includes "A Horse Owner's Guide to Greener Pasture and Cleaner Streams", "Big Dreams for Your Horse Farm? Do Your Homework First!", "Assessing the Environmental Impact of Your Farm", and "Pasture Walks". The "General Pasture Management" section includes "Management of Established Horse Pastures".

The screenshot shows the University of Kentucky Cooperative Extension Service website. The header includes the logo and a search bar. A navigation menu lists ABOUT, TOPICS, PROGRAMS, LOCATIONS, GET INVOLVED, LEARN, and NEWS & EVENTS. Below the menu is a banner for "Establishing Horse Pastures" with a large image of horses in a field. The article is titled "Establishing Horse Pastures" and is written by Ray Smith, Garry Lucefield, Laura Schwer, and William Witt, Plant and Soil Sciences; Robert Coleman and Laurie Lawrence, Animal and Food Sciences. The article discusses the importance of establishing horse pastures and provides information on the basic establishment requirements. It mentions that high-quality seed has high rates of germination and is free of contamination from seed of other crops or weeds. It also discusses the importance of seed quality and purity, and the need to use high-quality seed of an improved variety. The article includes a section on "Basic Establishment Requirements" and a section on "Publications".



Teaching Resources Roundtable Discussion:

Women Farmers &

Landowners

Caroline van Schaik
Land Stewardship Project
October 9, 2015

2015 webinar series hosted by
Green Lands Blue Waters and *The Pasture Project*





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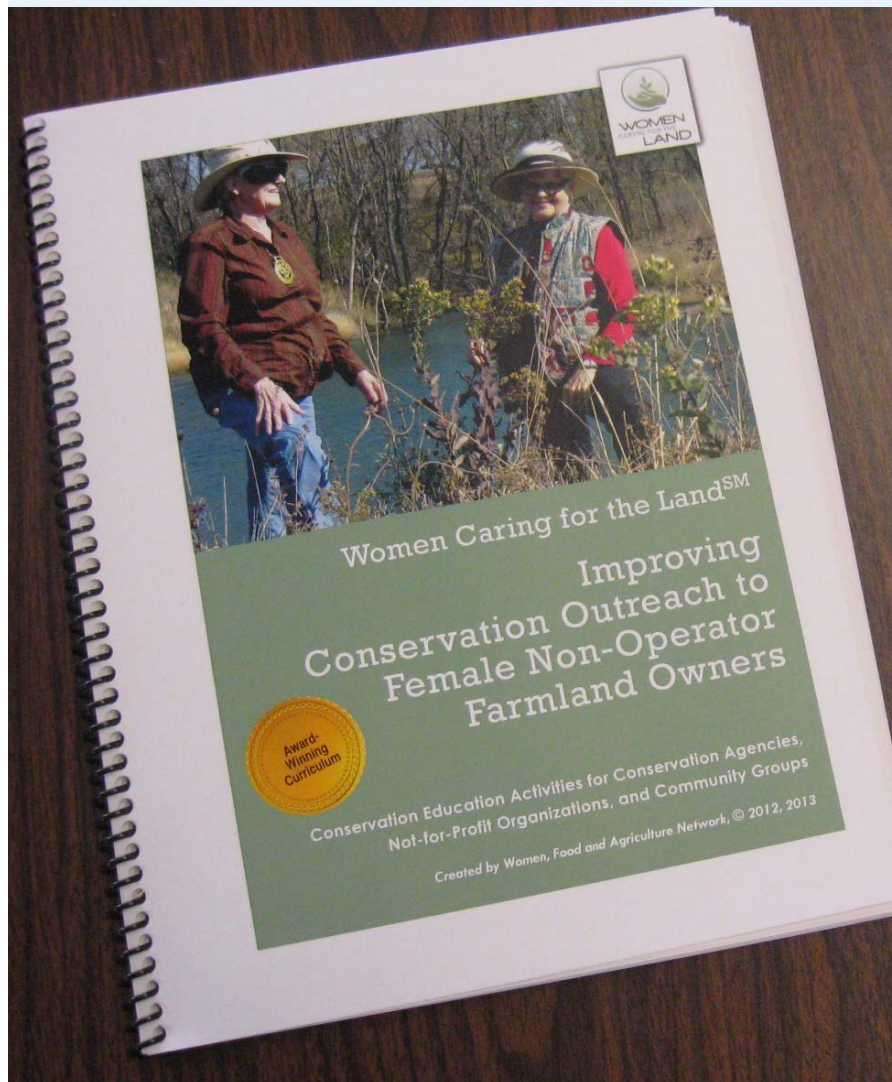


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WOMEN, FOOD AND AGRICULTURE NETWORK

info@wfan.org

515-460-2477

www.womencaringfortheland.org



Caroline van Schaik
Land Stewardship Project
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caroline@landstewardshipproject.org
507-523-3366 (ext. 102)



Pasture Walk Method

Vance Haugen
University of Wisconsin Extension
October 2015

Great River Graziers Pasture Rules

Rule Number 1:

At this official and sanctioned Great River Grazier Pasture walk one person talks and the rest listen because if John has the answer to Ted's question but he is talking to Ann no education gets done, and we want to tap all the available knowledge present.

Pasture Walk Rules Continued

- A corollary to rule number 1 is if people are listening, an answer need only be given once and therefore the farmer or speaker isn't answering the same question over and over again.

Great River Graziers Pasture Rules

Rule Number 2:

We want you to disagree but disagree agreeably.
Do not draw blood and no personal attacks.

Pasture Walk Rules Continued

- A corollary to rule number 2 is if people put forth their observations or deductions they must be ready and able to back their statements with data or research. Beliefs, feeling or tradition is not a substitute for facts, but vigorous discussion with personal observations and multi year usage of a practice is encouraged.

Useful Materials For Pasture Education

Grazing Systems Planning

- <http://www.extension.umn.edu/agriculture/dairy/grazing-systems/grazing-systems-handbook.pdf>,
- Identifying Pasture Grasses
- http://pss.uvm.edu/pdpforage/Materials/ID/A3637_GrassID_UWis.PDF,
- Identification of Legumes
- <http://www.midwestforage.org/pdf/404.pdf.pdf>,

Useful Materials For Pasture Education

- Common Pasture Grasses and Legumes
- <http://www.extension.umn.edu/agriculture/horse/pasture/docs/common-pasture-grasses-and-legumes.pdf>,
- Early Version of “The Pasture Walk Method”
- <http://crawford.uwex.edu/files/2010/05/The-Pasture-walk-method-2012.pdf>,

Using the “Pasture Walk Teaching System” for your outdoor educational event.

- [https://drive.google.com/file/d/0By_iaxS75L8oRkJuYzJCSEU5R28/view?usp=sharing,](https://drive.google.com/file/d/0By_iaxS75L8oRkJuYzJCSEU5R28/view?usp=sharing)



You are here: Web Soil Survey Home

Search

All NRCS Sites v

Browse by Subject

- Soils Home
- National Cooperative Soil Survey (NCSS)
- Archived Soil Surveys
- Status Maps
- Official Soil Series Descriptions (OSD)
- Soil Series Extent Mapping Tool
- Geospatial Data Gateway
- eFOTG
- National Soil Characterization Data
- Soil Quality
- Soil Geography

The simple yet powerful way to access and use soil data.

START WSS

Welcome to Web Soil Survey (WSS)



Web Soil Survey (WSS) provides soil data and information produced by the National Cooperative Soil Survey. It is operated by the USDA Natural Resources Conservation Service (NRCS) and provides access to the largest natural resource information system in the world. NRCS has soil maps and data available online for more than 95 percent of the nation's counties and anticipates having 100 percent in the near future. The site is updated and maintained online as the single authoritative source of soil survey information.

Soil surveys can be used for general farm, local, and wider area planning. Onsite investigation is needed in some cases, such as soil quality assessments and certain conservation and engineering applications. For more detailed information, contact your local [USDA Service Center](#) or your [NRCS State Soil Scientist](#).

Four Basic Steps

1 Define.

Area of Interest (AOI)

Use the Area of Interest tab to define your area of interest.

I Want To...

- Start Web Soil Survey (WSS)
- Know the requirements for running Web Soil Survey — will Web Soil Survey work in my web browser?
- Know the Web Soil Survey hours of operation
- Find what areas of the U.S. have soil data
- Find information by topic
- Know how to hyperlink from other documents to Web Soil Survey
- Know the SSURGO data structure

Announcements/Events

- Web Soil Survey 3.1 has been released! View description of new features and fixes.
- Web Soil Survey Release History



University of Wisconsin-
Extension
Cooperative Extension

University of Wisconsin Forage Research and Extension

Mission: To develop and disseminate information on the
establishment, production, harvesting and storage of forages

Dr. Dan Undersander

Department of Agronomy, 1575 Linden Drive, Madison, WI 53706 (608) 263-5070

- Selecting Forage Varieties

- Forage Variety Trials Results
- Compare Alfalfa Varieties
- Marketers of Forage Varieties
- Traits for: **Alfalfas** **Grasses** **Red Clovers**
- Identifying Pasture Legumes
- Identifying Pasture Grasses
- Selecting Pasture Grasses
- Assessing Alfalfa Stand in the Spring

- Forage Information

- Forage Articles
- UWEX Forage Resources
- U.S. Dairy Forage Research Center
- Forage Publications Web Site
- Variety Trial Results from other States
- Milk 2006 for corn silage
- Milk 2013 for alfalfa/grass
- Other Related Links
- Forage PowerPoint Slide Sets

- UW Web Sites

- Agronomy Department
- UW Alternate Field Crops Manual
- UW-Extension Corn Program
- UW-Extension Soybean & Small Grain Program
- UW-Extension Weed Science Program
- UW Soil and Plant Analysis Lab

Current Issues

- 2014 Forage Variety Trial Entry Forms**
- 2013 Trial Results, Forage Variety Update Book**
- Weekly Hay Market Prices for the Upper Midwest**
- Pasture and Hay Seeding Rate Calculator**



Can't find it...then search our web site

To get to these sites above...click logo

You are here: [MIDWEST AREA Home](#) / [MADISON, WISCONSIN](#) / [U.S. DAIRY FORAGE RESEARCH CENTER](#)

U.S. Dairy Forage Research Center

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Dairy Forage

Enhance the productivity, efficiency, and environmental sustainability of integrated dairy and forage systems through development of improved traditional and novel forages and management strategies.



Research

News

Publications

Combating Viral Hemorrhagic Septicemia and Improving Yellow Perch Aquaculture for the Great Lakes Region

Determining Influence of Microbial, Feed, and Animal Factors on Efficiency of Nutrient

Boggess, Mark
Center Director
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1925 LINDEN DRIVE
Madison WI 53706

About Us & Contact Info



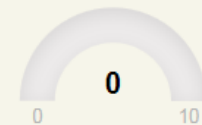


Add	Legumes	Totals:	0%	0%	0%	\$0.00	
		Type	% Full Rate	% Wt	% Seeds	Seeds/lb	Cost/Acre
Add	Grasses	Totals:	0%	0%	0%	\$0.00	
		Type	% Full Rate	% Wt	% Seeds	Seeds/lb	Cost/Acre
Add	Brassicas	Totals:	0%	0%	0%	\$0.00	
		Type	% Full Rate	% Wt	% Seeds	Seeds/lb	Cost/Acre
Add	Broadleaves	Totals:	0%	0%	0%	\$0.00	
		Type	% Full Rate	% Wt	% Seeds	Seeds/lb	Cost/Acre

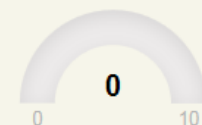
Increase Soil Organic Matter



Supplemental Grazing



Erosion Reduction



Summary

Pounds/Acre: 0
Seeds/Acre: 0
Species: 0

Full Rate



New!

☐ Enable SmartMix Auto Adjust

50

Acres

	Pound	Acre	Total
Seed Cost	\$0.00	\$0.00	\$0.00
Inoculant Cost	\$0.00	\$0.00	\$0.00
Mixing Cost	\$0.00	\$0.00	\$0.00
Bagging Cost	\$0.00		

[SEND FEEDBACK](#)

UNIVERSITY OF MISSOURI Extension Grazing Wedge



Home

Pasture Based
Dairies

Conference

Course

Grazing Wedge

Publications

Protocols

Resources

Sharemilking

History

Contacts

Welcome

The grazing wedge is a key tool for managing feed on a pasture based dairy farm. It visually represents the quality and quantity of forage dry matter available both now and during the next round of grazing.

University of Missouri Extension developed an online grazing wedge calculator for producers. Users can set up an account, input their paddock measurements and add other key indicators of grazing management for their farm.

Search the Public Grazing Wedges

1. Select Year

2015 ▼

Reset

2. Select Farm

Choose Farm ▼

Summary Table

Harvested Yield

Year and Farm are required fields to view a year-to-date summary table or harvested yield to date table.

3. Select Date

Choose Date ▼

Grazing Wedge

Year, Farm and Date are required fields to view a grazing wedge.



About iGrow

iGrow Store

4-H & YOUTH

LIVESTOCK

AGRONOMY

HEALTHY FAMILIES

CO

Livestock

iGrow Home > Livestock > Beef

Beef

Feedstuff Cost Comparison

Back »

Dairy

Horse

Pork

Profit Tips

Sheep

Reports to Partners

Warren Rusche – 9/16/2014




Available on the
App Store

ANDROID APP ON
Google play

The Webinar Series

<http://greenlandsbluewaters.net/Perennial Forage/grz ed webnr.html>



GRAZING EDUCATORS WEBINAR SERIES

SCHEDULE
9:00-10:30 AM CDT

TEACHING THE BASICS OF GRAZING
Done!
[View the webinar, slides, and resources here.](#)

GRASS-BASED FARM FINANCIALS
Done!
[View the webinar, slides, and resources here.](#)

ADAPTIVE HIGH STOCK DENSITY GRAZING
Done!
[VIEW THE WEBINAR, SLIDES, AND RESOURCES HERE](#)

AUGUST 7
Integrating Livestock into Cropping Systems


SEPTEMBER 11
Grazing for Conservation and Soil Health

OCTOBER 9
Teaching Resources Roundtable

All sessions will be online and archived for future use. To sign up for upcoming sessions or to receive reminders about future sessions, you can register with us [here](#).

Are you a grazing specialist, land manager, or grazing educator?
Want to be involved in the development of grazing education?



If so, please [join us in our webinar series](#), hosted by [Green Lands Blue Waters](#) and [The Pasture Project](#). The monthly series will present topics important to grazing, with perspectives from scientists, experts, and producers.



The webinars are free, and will be designed to encourage an active and lively discussion on issues important to the grazing community.

Look for more information about the series and the next webinar, scheduled for August 7th, at our websites. Contact [Jane Jewett](#) or [Warren King](#) with any questions.

Green Lands Blue Waters



THE PASTURE PROJECT



Thank you!