Upper Midwest Grazing Educators Webinar Series

Green Lands Blue Waters

THE PASTURE PROJECT

Teaching Resources Roundtable

October 9th, 2015

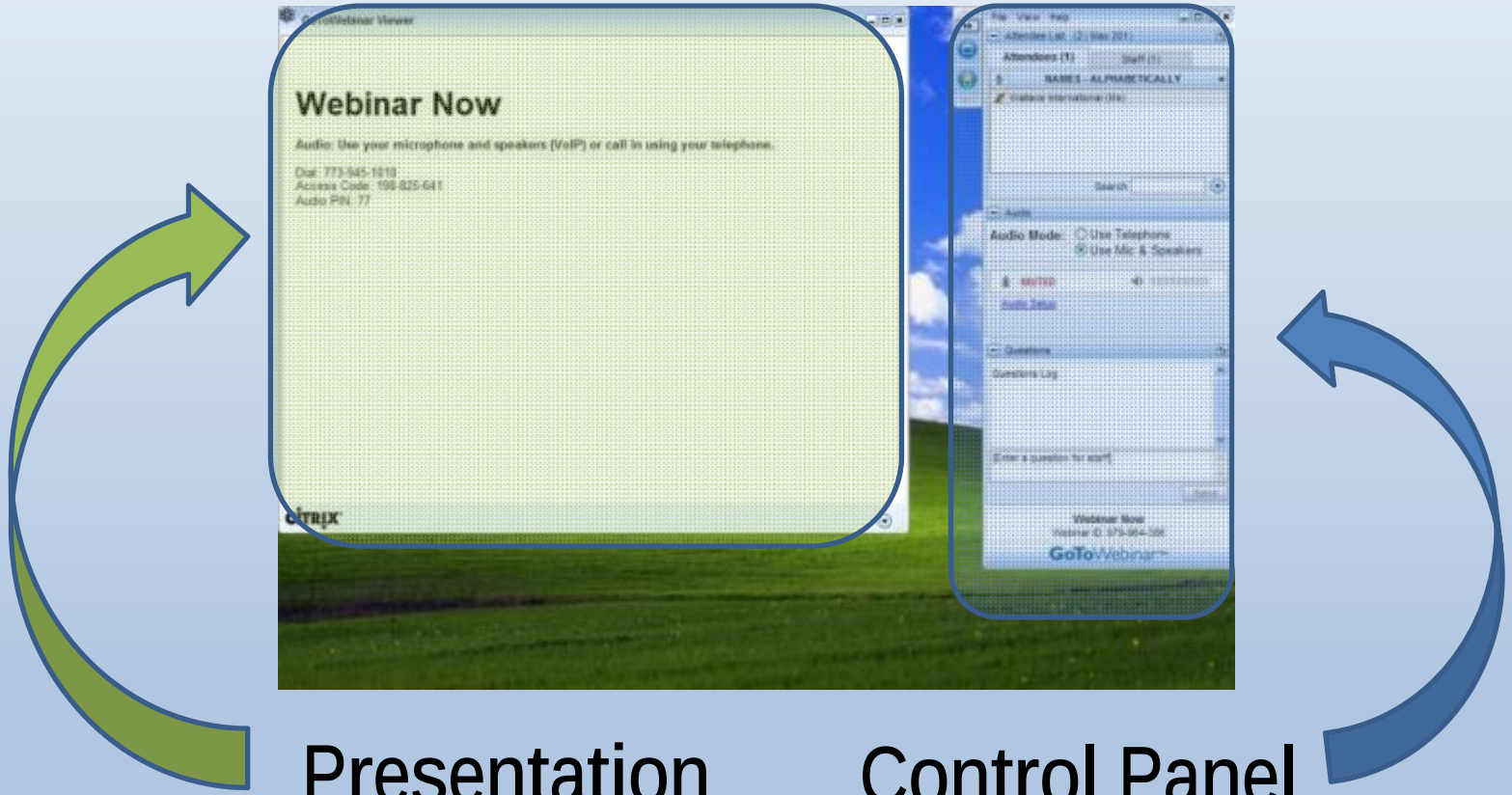
Hosted by Warren King and Jane Jewett

- 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



Presentation

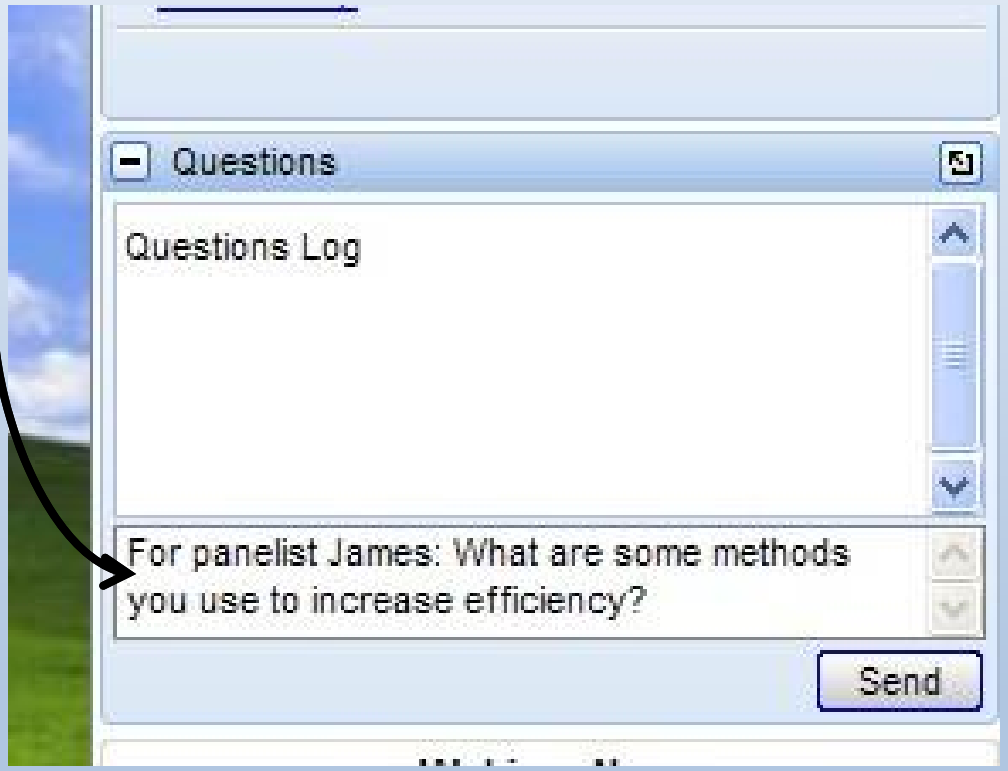
Control Panel

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 conservationist 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

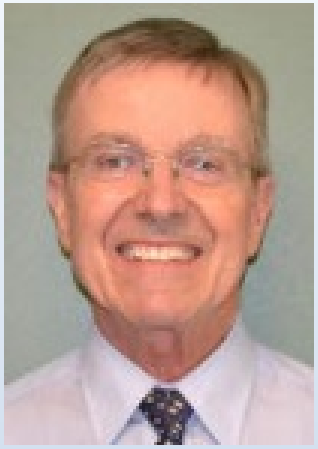
What Could a Grazing Educator Network Achieve?

- 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

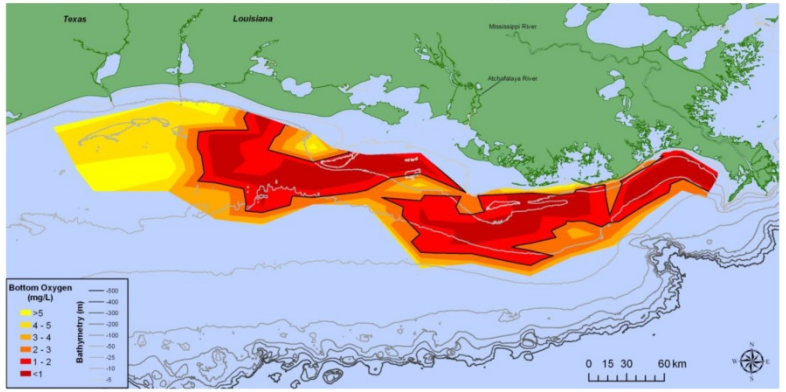
- Gene Schriefer has been the Agriculture Agent with the University of Wisconsin – Extension for the past 6 years working primarily in Iowa County in the Driftless Region.
- He organizes and leads the Southwest Wisconsin grazing network which hosts a dozen pasture walks a season and the spring and fall 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.

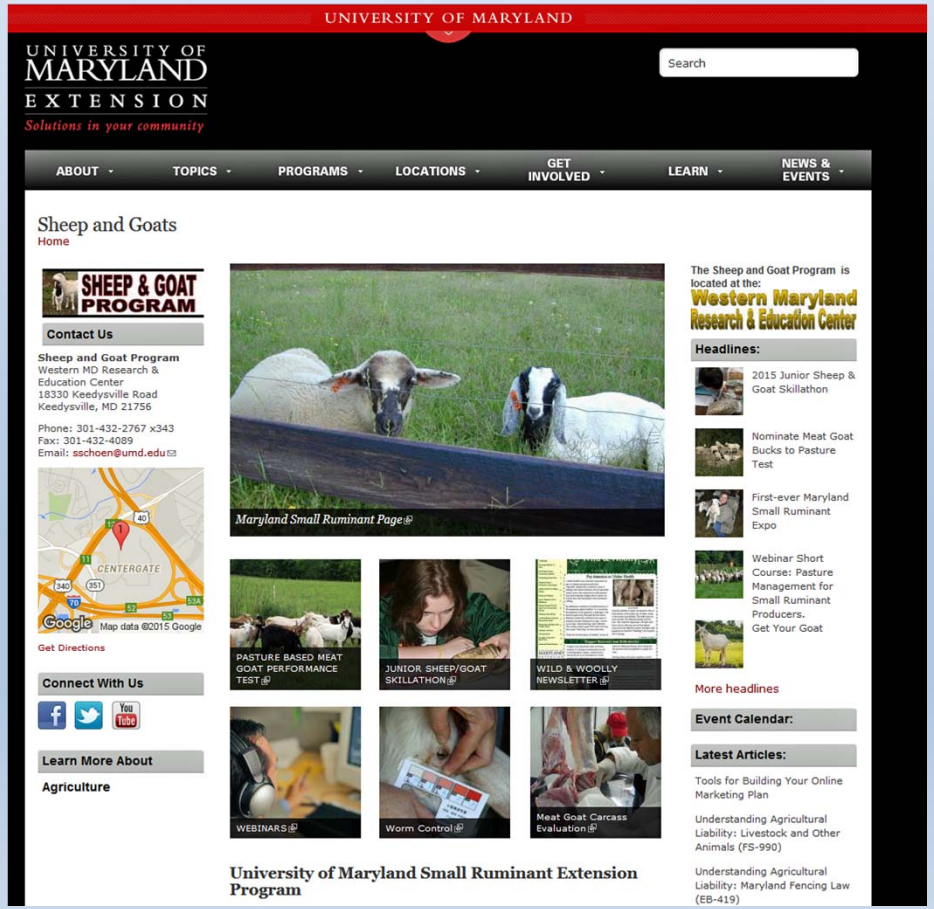
Data source: Nancy N. Rabalais, LUMCON, and R. Eugene Turner, LSU
Funding sources: NOAA Center for Sponsored Coastal Ocean Research and U.S. EPA Gulf of Mexico Program

In-State Grazing Research ?

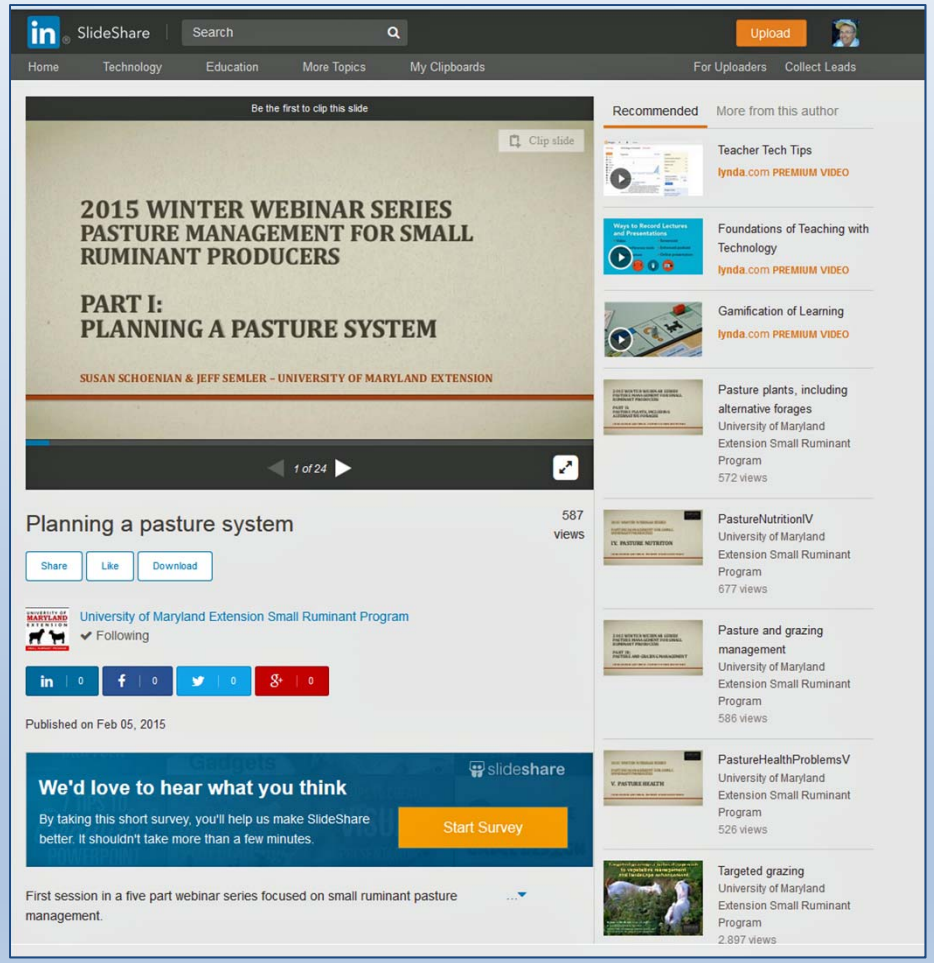
- Limited due to a by-products focus
- Last grazing specialist left in 2007
  - Dr. Justin Sexton, University of Missouri (now)

Small Ruminants

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



Susan's SlideShare Content



Great source of continuing education for me.

2015 Small Ruminant Pasture Series

Susan has a lot of very current content

PURDUE UNIVERSITY

PURDUE EXTENSION

United States Department of Agriculture
NRCS Natural Resources Conservation Service

AY-328

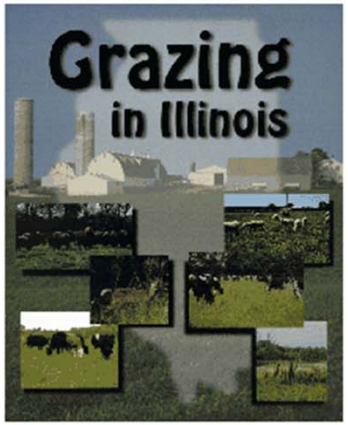
Management-Intensive Grazing in Indiana

Purdue Extension
Knowledge to Go
1-888-EXT-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, Gazing Management, Establishment/Renovation, Noxious Weeds

Part 2 (PDF, 2557kb) – Species

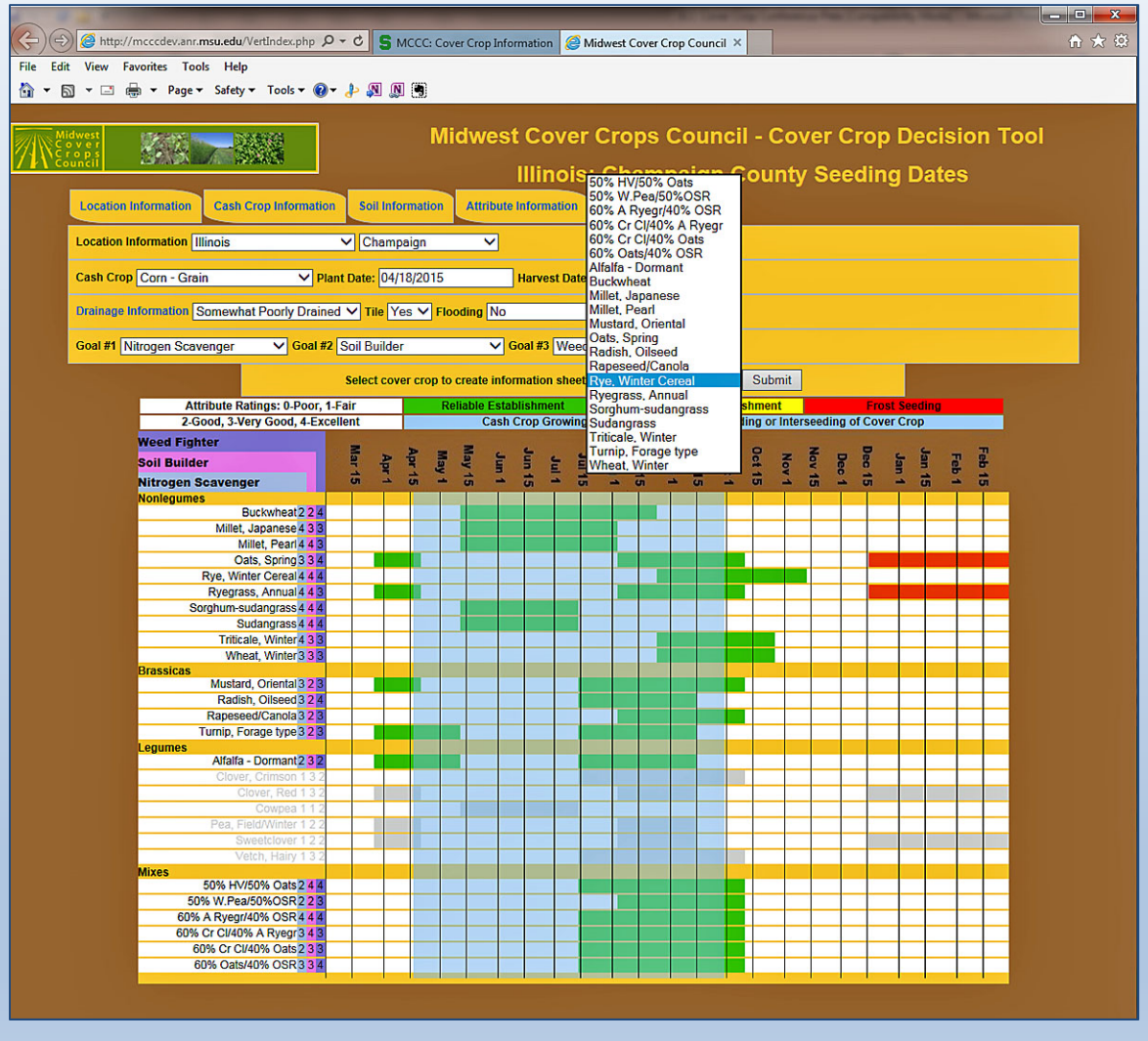
Part 3 (PDF, 1341kb) – Animal Health, Fertility, Livestock Watering Infrastructure, Livestock Nutrition, Miscellaneous, References/Contacts

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

Early Harvested Corn – Seeded Sept. 5

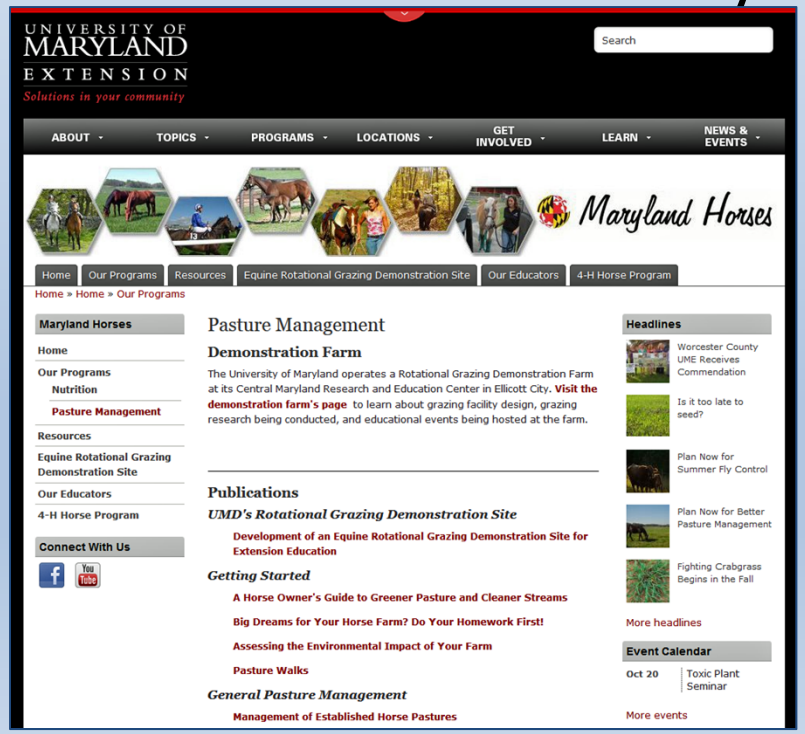
Generating Interest among our few cow-calf producers

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


http://mcccdev.anr.msu.edu/VertIndex.php
MCCC: Cover Crop Information
Midwest Cover Crop Council
File Edit View Favorites Tools Help
Page Safety Tools
Midwest Cover Crops Council - Cover Crop Decision Tool
Illinois: Champaign County Seeding Dates
Location Information
Cash Crop Information
Soil Information
Attribute Information
Location Information Illinois Champaign
Cash Crop Corn - Grain Plant Date: 04/18/2015 Harvest Date
Drainage Information Somewhat Poorly Drained Tile Yes Flooding No
Goal #1 Nitrogen Scavenger Goal #2 Soil Builder Goal #3
Select cover crop to create information sheet
Submit
50% HV/50% Oats
50% W.Pea/50%OSR
60% A Ryegr/40% OSR
60% Cr Cl/40% A Ryegr
60% Cr Cl/40% Oats
60% Oats/40% OSR
Alfalfa - Dormant
Buckwheat
Millet, Japanese
Millet, Pearl
Mustard, Oriental
Oats, Spring
Radish, Oilseed
Rapeseed/Canola
Rye, Winter Cereal
Ryegrass, Annual
Sorghum-sudangrass
Sudangrass
Triticale, Winter
Turnip, Forage type
Wheat, Winter
Attribute Ratings: 0-Poor, 1-Fair
2-Good, 3-Very Good, 4-Excellent
Reliable Establishment
Cash Crop Growing
Frost Seeding
Weed Fighter
Soil Builder
Nitrogen Scavenger
Mar 15 Apr 1 Apr 15 May 1 May 15 Jun 1 Jun 15 Jul 1 Jul 15 Oct 15 Nov 1 Nov 15 Dec 1 Dec 15 Jan 1 Jan 15 Feb 1 Feb 15
Nonlegumes
Buckwheat 2 2 4
Millet, Japanese 4 3 3
Millet, Pearl 4 4 3
Oats, Spring 3 3 4
Rye, Winter Cereal 4 4 4
Ryegrass, Annual 4 4 3
Sorghum-sudangrass 4 4 4
Sudangrass 4 4 4
Triticale, Winter 4 3 3
Wheat, Winter 3 3 3
Brassicas
Mustard, Oriental 3 2 3
Radish, Oilseed 3 2 4
Rapeseed/Canola 3 2 3
Turnip, Forage type 3 2 3
Legumes
Alfalfa - Dormant 2 3 2
Clover, Crimson 1 3 2
Clover, Red 1 3 2
Cowpea 1 1 2
Pea, Field/Winter 1 2 2
Sweetclover 1 2 2
Vetch, Hairy 1 3 2
Mixes
50% HV/50% Oats 2 4 4
50% W.Pea/50%OSR 2 2 3
60% A Ryegr/40% OSR 4 4 4
60% Cr Cl/40% A Ryegr 3 4 3
60% Cr Cl/40% Oats 2 3 3
60% Oats/40% OSR 3 3 4

Horses and Pastures

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



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*

LAND STEWARDSHIP PROJECT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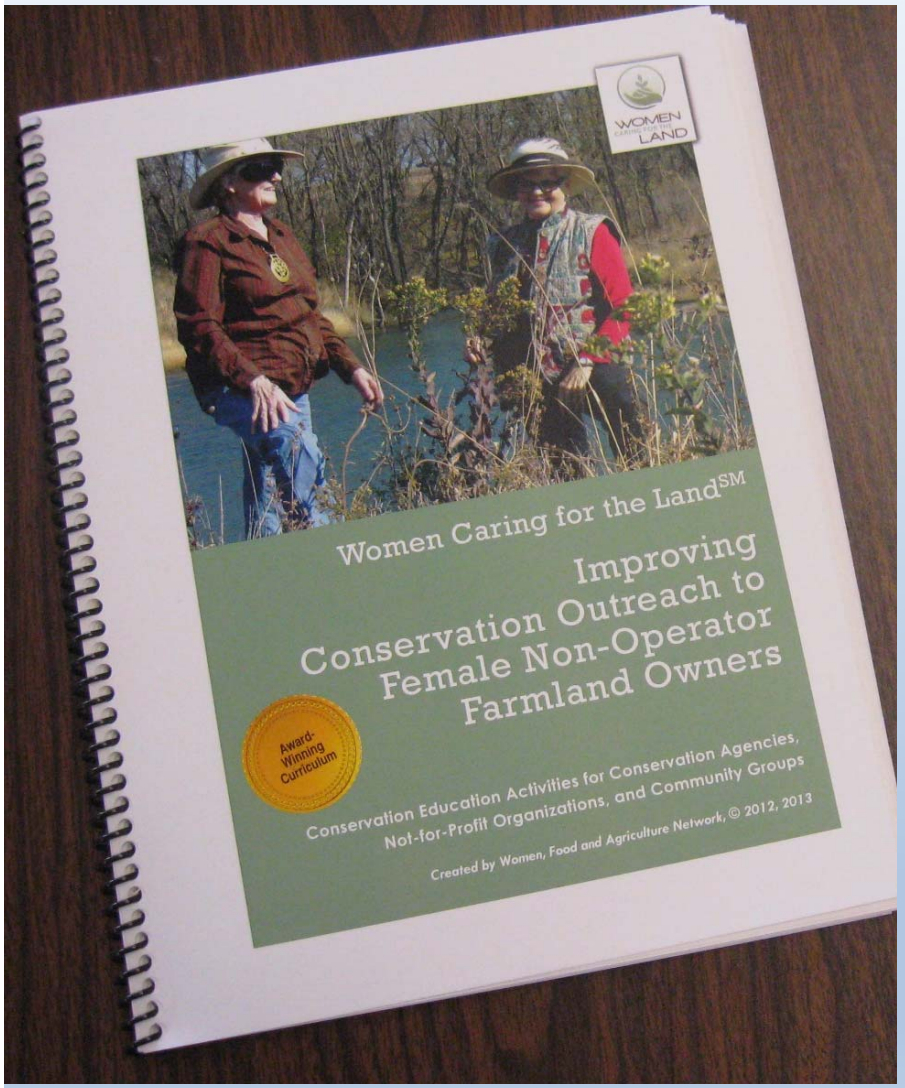

Women, Food and Agriculture Network

info@wfan.org

515-460-2477

www.womencaringfortheland.org

LAND STEWARDSHIP PROJECT

Caroline van Schaik
Land Stewardship Project
180 E. Main St. Lewiston, MN 55952
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,

http://websoilsurvey.sc.egov.usda.gov/App/HomePage.htm

Web Soil Survey - H...

USDA United States Department of Agriculture
Natural Resources Conservation Service

Web Soil Survey

Home | About Soils | Help | Contact Us

You are here: Web Soil Survey Home

Search

Enter Keywords Go

All NRCS Sites

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**

http://www.uwex.edu/ces/forage/

Dashboard | ... × University of Wiscon... ×

UW Extension

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

Can't find it…then search our web site

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***

Wisconsin TEAM Forage

Cool Season Grass Initiative

MFA Midwest Forage Association

To get to these sites above…click logo

http://www.ars.usda.gov/main/site_main.htm?modecode=50-90-15-00

U.S. Dairy Forage Re... | EPA Proposes Stronger ...

USDA United States Department of Agriculture
Agricultural Research Service

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- Publications
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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.

2 / 5

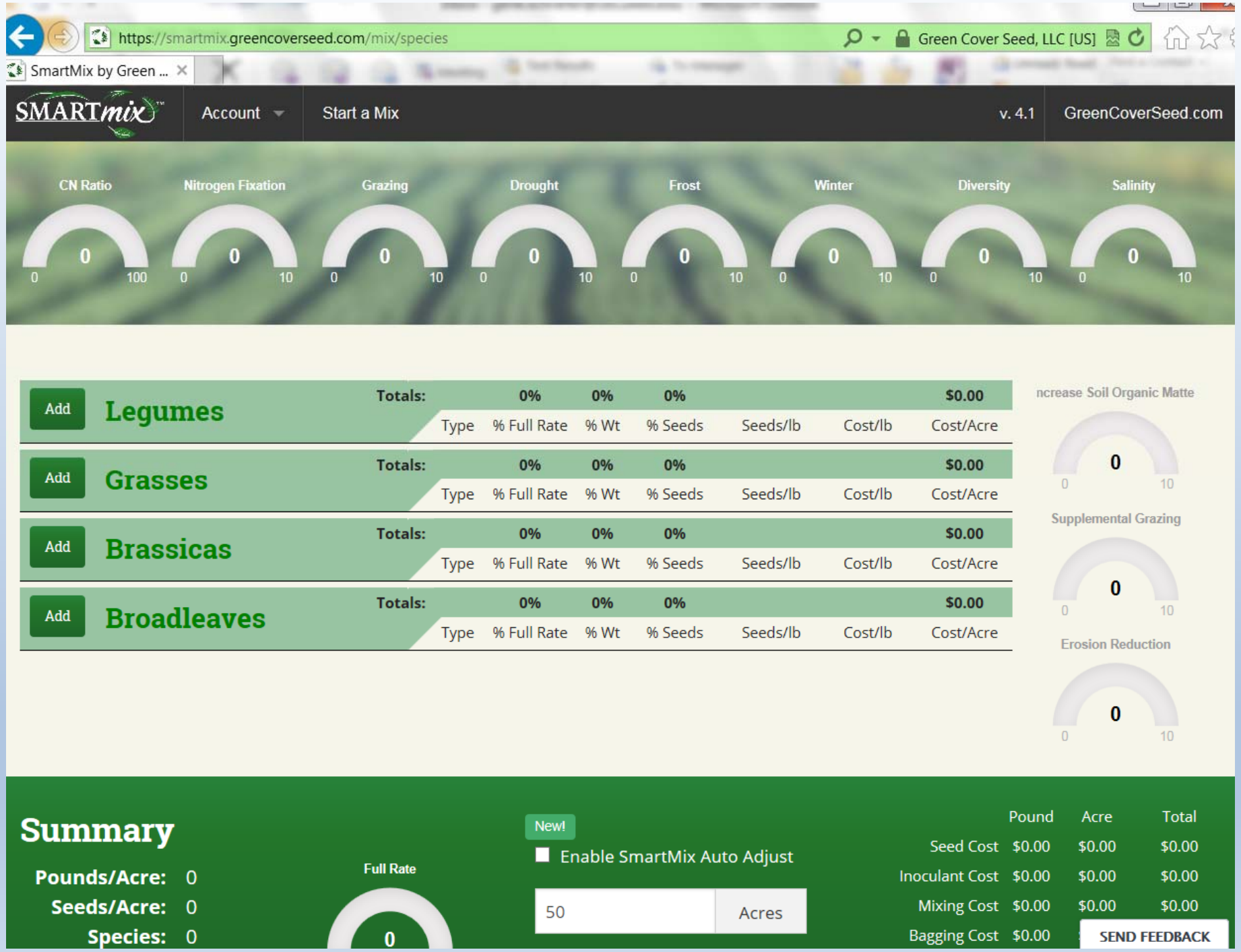
Research | News | Publications

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
mark.boggess@ars.usda.gov
(608) 890-0050
U.S. DAIRY FORAGE RESEARCH CENTER
1925 LINDEN DRIVE
Madison WI 53706

About Us & Contact Info


https://smartmix.greencoverseed.com/mix/species
Green Cover Seed, LLC [US]
SmartMix by Green ...
SMARTmix
Account
Start a Mix
v. 4.1
GreenCoverSeed.com
CN Ratio
Nitrogen Fixation
Grazing
Drought
Frost
Winter
Diversity
Salinity
Add
Legumes
Grasses
Brassicas
Broadleaves
Totals:
0%
$0.00
Type
% Full Rate
% Wt
% Seeds
Seeds/lb
Cost/lb
Cost/Acre
ncrease Soil Organic Matte
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

http://grazingwedge.missouri.edu/

MU-Grazing Wedge

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

2. Select Farm
Choose Farm

3. Select Date
Choose Date

Reset

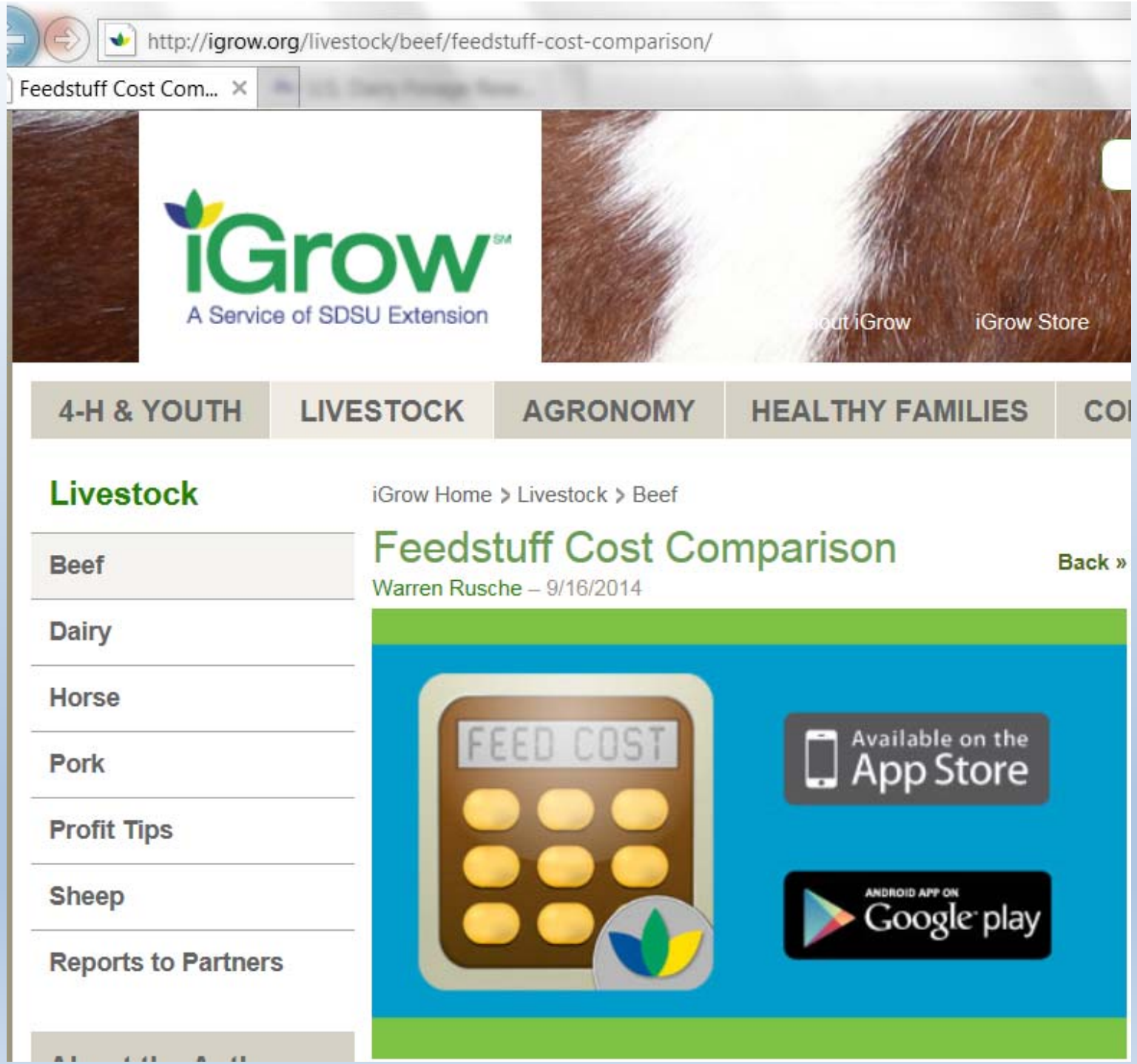
Summary Table

Harvested Yield

Grazing Wedge

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

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


http://igrow.org/livestock/beef/feedstuff-cost-comparison/
Feedstuff Cost Com...
iGrow
A Service of SDSU Extension
iGrow Store
4-H & YOUTH
LIVESTOCK
AGRONOMY
HEALTHY FAMILIES
Livestock
Beef
Dairy
Horse
Pork
Profit Tips
Sheep
Reports to Partners
iGrow Home > Livestock > Beef
Feedstuff Cost Comparison
Back »
Warren Rusche – 9/16/2014
FEED COST
Available on the App Store
ANDROID APP ON Google play

The Webinar Series

http://greenlandsbluewaters.net/Perennial_Forage/grz_ed_webnr.html

Thank you!