

Using MU Extension Website & Tools on Pasture-Based Dairying

Pasture-Based Dairy Website

University of Missouri Extension

Pasture Based Dairies in Missouri

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Introduction

The University of Missouri Extension has been actively involved in guiding the evolution of pasture-based dairying in Missouri in recent years. These new dairy systems use minimal concentrate feeding, optimal grass management and highly labor efficient parlors. More than \$100 million dollars in new dairy investment has occurred in the state since 2004, as new grazing operations relocate to Missouri and existing grazing operations increase scale.

Missouri's Pasture-based Dairy System

```
graph TD; Cows[Cows  
•Crossbreeding  
•Seasonal production] <--> Facilities[Facilities  
•Labor efficient  
•2 to 2.5 hours/milking]; Forage[Forage  
•Simple forage system  
•Monitored & managed] <--> Dairy[Dairy Career Path  
•Desirable lifestyle  
•Competitive income]; Profitability(Profitability  
Cash Generation  
Wealth Accumulation); Cows <--> Profitability; Facilities <--> Profitability; Forage <--> Profitability; Dairy <--> Profitability;
```

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Includes information on:

- History of Program
- Grazing Wedges
- Grazing Dairy Models
- Newsletters
- Protocols
- Resources
- Contact Information

Web Address: <http://agebb.missouri.edu/dairy/grazing/>


Grazing Wedge Tool

Click on



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Missouri's Pasture-based Dairy System

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graph TD; Cows[Cows] <--> Facilities[Facilities]; Forage[Forage] <--> Dairy[Dairy Career Path]; Cows <--> Forage; Facilities <--> Dairy; Cows <--> Profitability((Profitability  
Cash Generation  
Wealth Accumulation)); Facilities <--> Profitability; Forage <--> Profitability; Dairy <--> Profitability;
```

Cows
•Crossbreeding
•Seasonal production

Facilities
•Labor efficient
•2 to 2.5 hours/milking

Forage
•Simple forage system
•Monitored & managed

Dairy Career Path
•Desirable lifestyle
•Competitive income

Profitability
Cash Generation
Wealth Accumulation

Grazing Wedge Tool Main Page

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Grazing Wedge MU Extension Home

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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
2008

2. Select Farm
Choose Farm

3. Select Date
Choose Date

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

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

E-Mail Address:

Password:

[Create New Account](#)
[Forgot Password](#)
[Report Problems](#)
[User Guide](#)

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Search existing public wedges

Setup an account and login

Web Address: <http://plantsci.missouri.edu/grazingwedge/>

Set up a New Account

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Grazing Wedge

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Create an Account

First Name:

Last Name:

City:

State:

Email Address:

Password:

Farm ID:

Please separate different farms with a comma.
(Farm1,Farm2,etc.)

Agreement Statement

I acknowledge that any field data collected on this site may be used for research purposes including but not limited to publications. However, personal information (such as name and farm) may not be used to identify my data or be shared with other organizations.

Yes, I agree

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Answer these questions and check the agreement statement box.
Hit Submit and then proceed to the grazing wedge entry page.

Grazing Wedge Entry Page

New Search
Add New Data
Edit Grazing Data
Report a Problem
Edit User Info
User Guide
Logout

Add New Paddock Data

1. Farm

test2

Select your farm (only if you have multiple farms)

2. Measurement Date

(mm/dd/yyyy)

Enter date when paddocks were measured

3. I would like my data to be*...

Private Public

* By selecting private, only you and the system administrators will be able to read your data. If you select public, any user of this website will be able to view the reports for this data. You can change the privacy status of your data by going to the "Edit Data" section of the website after the data has been input.

Hit submit when completed

Check private or public for your data

Search the Database

1. Select Year

2008

You are only allowed to edit data for your own farms.

2. Select Farm

Choose Farm

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

3. Select Date

Choose Date

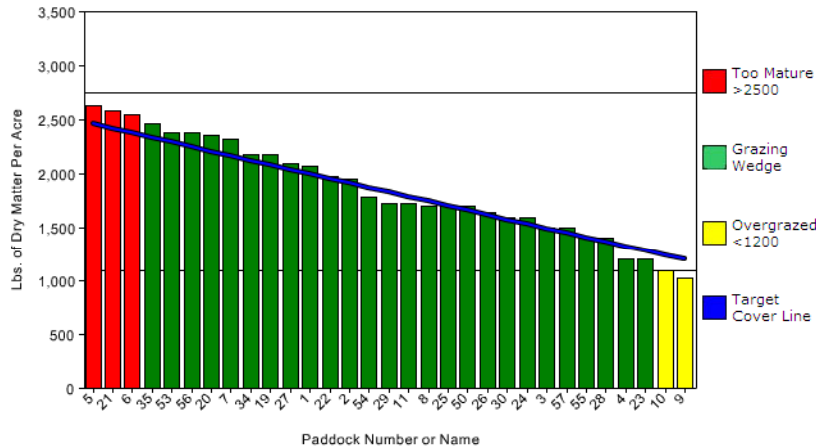
Year, Farm and Date are required fields to view a grazing wedge.

Completed Grazing Wedge

- New Search
- Add New Data
- Edit Grazing Data
- Report a Problem
- Edit User Info
- User Guide
- Logout

Grazing Wedge
Edgewood Dairy
05/13/2008

Print All



Paddocks are shown in order of greatest to least pasture cover. Based on your minimum and maximum cover levels, colors are shown for too mature, in line with grazing wedge or overgrazed.

Growth rates are calculated (growth rate is only calculated if a prior wedge was completed within 30 days).

Average pasture cover calculated

Other parameters are shown if reported

Print report option

Summary of KEY INDICATORS for Grazing Management and Animal Performance		
Livestock Class		Dairy Milking
Estimated Growth Rate (lbs of dry matter accumulation per acre per day)		51
Cover when cows turned onto a paddock (lbs DM/Acre)	Actual: 2630	Ideal: 2500
Cover when cows removed from paddock (lbs DM/Acre)	Actual: 1025	Ideal: 1200
Average Pasture Cover (lbs DM/Acre)	Actual: 1858	Ideal: 1850
Rotation length current (days till cows return to given paddock)		18
Milk production (lbs per day)		
Lbs of hay for milking herd currently being fed (per cow per day)		
Lbs of grain for milking herd currently being fed (per cow per day)		
Lbs of hay for dry cows currently being fed (per cow per day)		
Lbs of grain for dry cows currently being fed (per cow per day)		
Critical issues right now:		



Print Report

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Add New Paddock Data

1. Farm
2. Measurement Date
(mm/dd/yyyy)
3. I would like my data to be*... Private Public

* By selecting private, only you and the system administrators will be able to read your data. If you select public, any user of this website will be able to view the reports for this data. You can change the privacy status of your data by going to the "Edit Data" section of the website after the data has been input.

Select year, farm and date to access a grazing wedge

Any completed wedges by your farm or public farms will be accessible here by the database

Search the Database

1. Select Year
2. Select Farm
3. Select Date

You are only allowed to edit data for your own farms.

Year and Farm are required to view a year-to-date summary table.

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

Summary table shows major parameters of all wedges in a year for a specific farm; just select year and farm

Edit any completed grazing wedges, just select year, farm and date

MU Grazing Wedge Contacts

- For any problems or troubleshooting with the grazing wedge tool, please e-mail Tonya Mueller at plantsciweb@missouri.edu
- General questions can be e-mailed to Rob Kallenbach at KallenbachR@missouri.edu