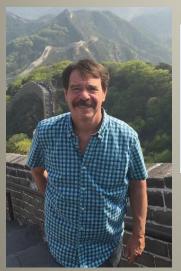
Connecting the Agronomist & the Nutritionist to Make Management Decisions



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Mention of companies, labs, trade names, products or assays solely for the purpose of providing specific information or examples and does not imply recommendation, endorsement or exclusion.

2012 US Milk Production by Herd Size

Feb.-2013

Herd Size	% Dairies	% Cows	% Milk
2000+	1.5%	32.6%	34.7%
1,000-1,999	1.8%	14.0%	15.9%
500-999	3.1%	11.9%	12.4%
200-499	7.5%	12.5%	12.6%
Total ≥ 200	13.9%	71.0%	75.6%

Feed & Forage Use on 4000-Cow Dairy

- Assumptions for calculations:
 - 3200 milk cows; 800 dry cows; no growing heifers
 - -80 lb. Milk/cow/day
 - Total DMI
 - Lactating Cows (LC) 50 lb/d; Dry Cows (DC) 30 lb/d
 - Dietary Forage Content (% of DM)
 - LC 50%; DC 80%; Total 54%
 - -Forage DMI:
 - LC 25 lb/d; DC 24 lb/d

Total Feed Use on 4000-Cow Dairy

	TMR Fed ^a (tons DM)	
Daily	95	
Weekly	663	
Monthly	2,843	
Annually	34,587	
	Approx. Annual \$ Value	
	\$7,000,000 to \$9,000,000	
Approx. Milk \$ Value	\$15,000,000 to \$20,000,000	

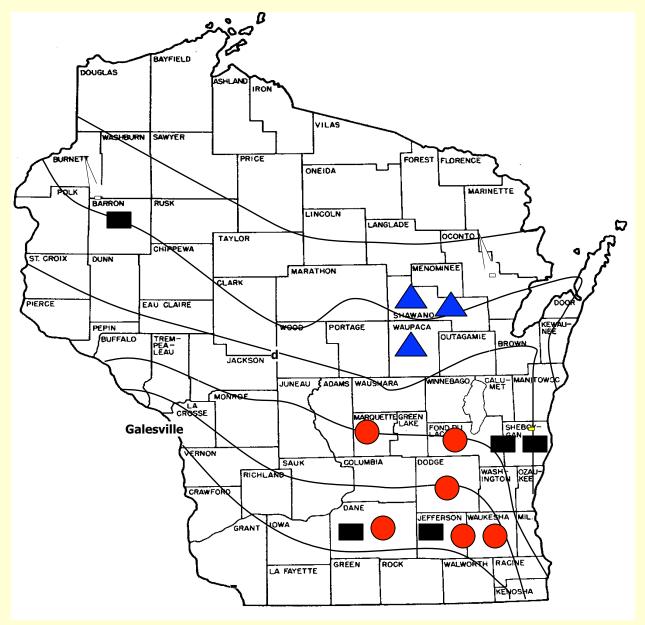
Forage Use on 4000-Cow Dairy

	Forage Needs @ 15% Shrink Tons DM	Acres Needed @ 6 ton DM avg. yield
Daily	51	9
Weekly	411	69
Monthly	1,763	294
Annually	21,444	3,574

Forage Use on 4000-Cow Dairy

	Acres Needed
10% Yield Drag	+397
10%-units more forage in LC Diet DM	+576
Both	+1,038

Top-Producing Survey Herd Locations



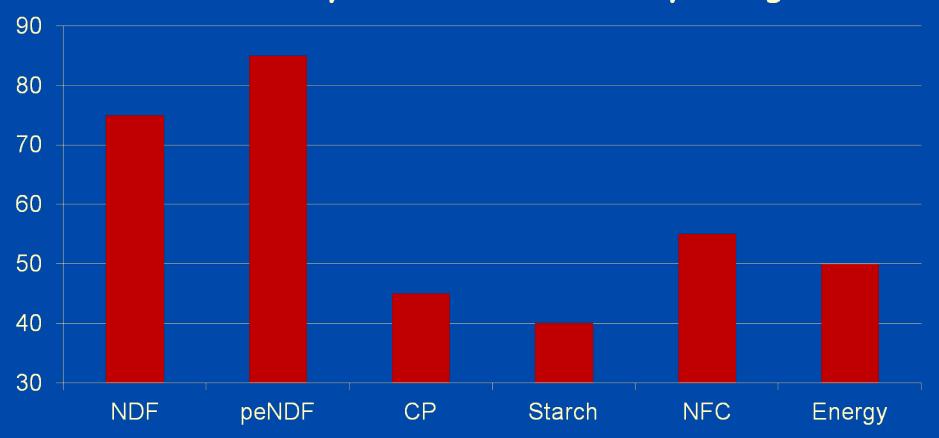
Survey 3

Survey 2

Survey 1

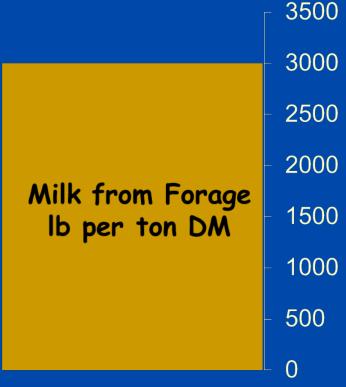
Calculated from Survey Summaries

% of Dietary Nutrient Provided By Forage



Calculated from Survey Summaries





Maintenance & BWG energy requirements apportioned to forage or concentrate according to diet F:C ratio

- Feed Inventory & Crop Rotations
 - Lactating Cows vs. Dry Cows vs. Replacements
 - Corn Silage vs. Haycrop Silage
 - Carry-Over of Corn Silage & High-Moisture Corn
 - Cover-Crop Forages
 - Low-K Forages
- Manure Storage & Application
- Nutrient Management Plans
- Expansion Planning

- · Yield vs. Quality
 - Targeting relative qualities to livestock groups
 - Targeting harvest maturity by crop/livestock group
 - Proportion of corn silage to haycrop silage
 - Opportunities grasses or alfalfa: grass mixtures
 - Hybrid, Variety Selection
 - BMR corn silage; Reduced-lignin alfalfa
 - Crop Fungicides
- Feed Testing
 - Reducing variation
 - Benchmarking

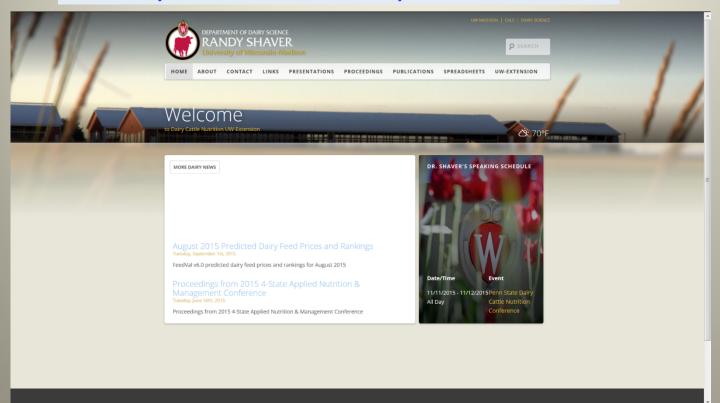
- Harvest & Storage
 - Custom Harvesting
 - Firm Selection; Cost; Communication; QC
 - Harvest Maturity, Moisture Guidelines; QC
 - Chop Length, Processing Guidelines; QC
 - Silo Packing, Covering, Face Mgmt.; QC
 - Silage Inoculant Selection & Use

- Feed Value
 - Nutrient value
 - Pricing
 - Purchase
 - · Sell
 - Assets
 - Contracts

- Management/Consultant Team Meetings
 - Define Roles
 - Provide Leadership
 - Set/Review Goals
 - Forward Planning
 - Benchmark Comparisons
 - Identify Bottlenecks
- Staff Training

Visit UW Extension Dairy Cattle Nutrition Website

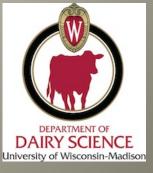
http://www.shaverlab.dysci.wisc.edu/











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