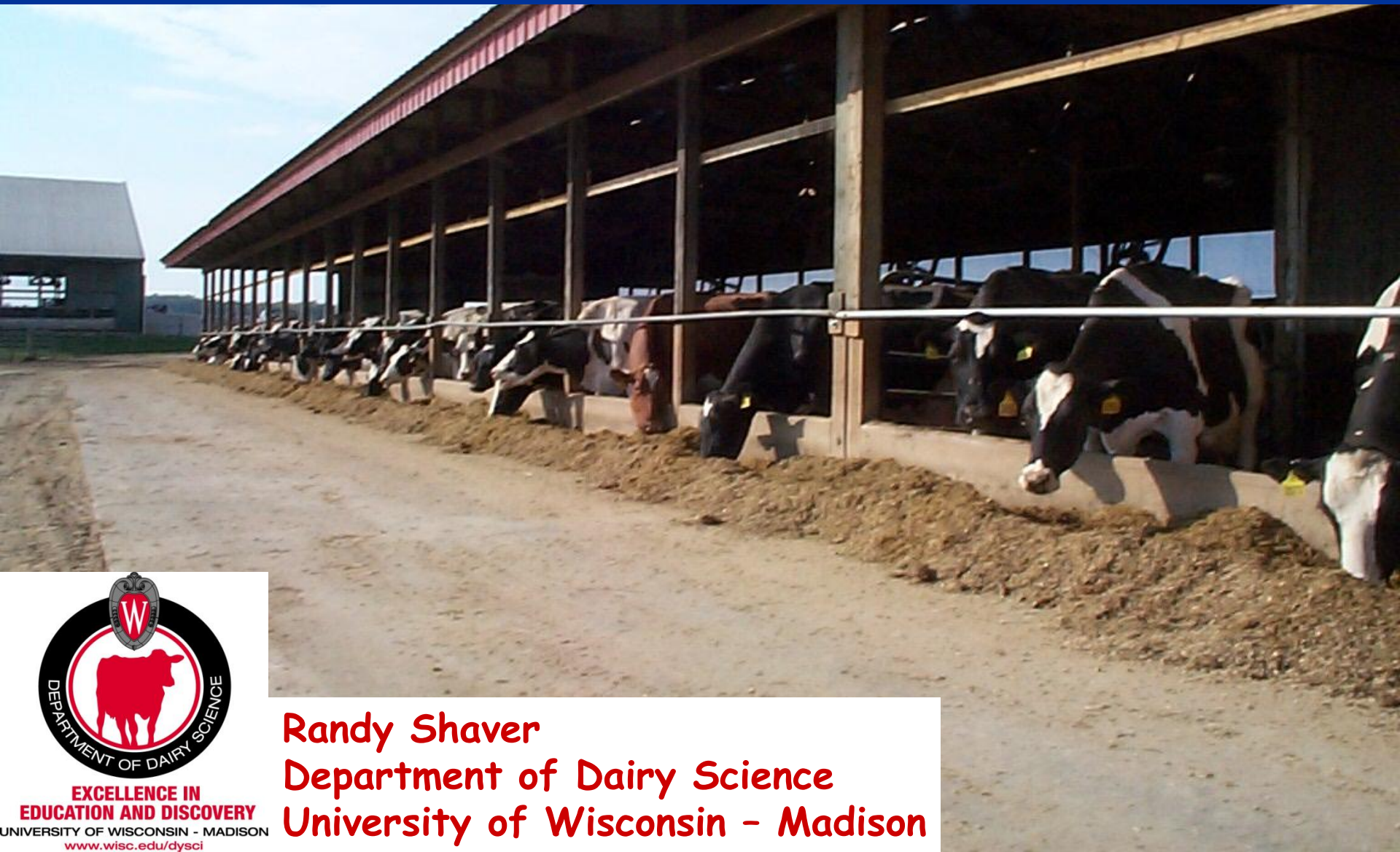
Top producing herds in Wisconsin feed more forage than you may think



DEPARTMENT OF DAIRY SCIENCE

EXCELLENCE IN EDUCATION AND DISCOVERY

UNIVERSITY OF WISCONSIN - MADISON

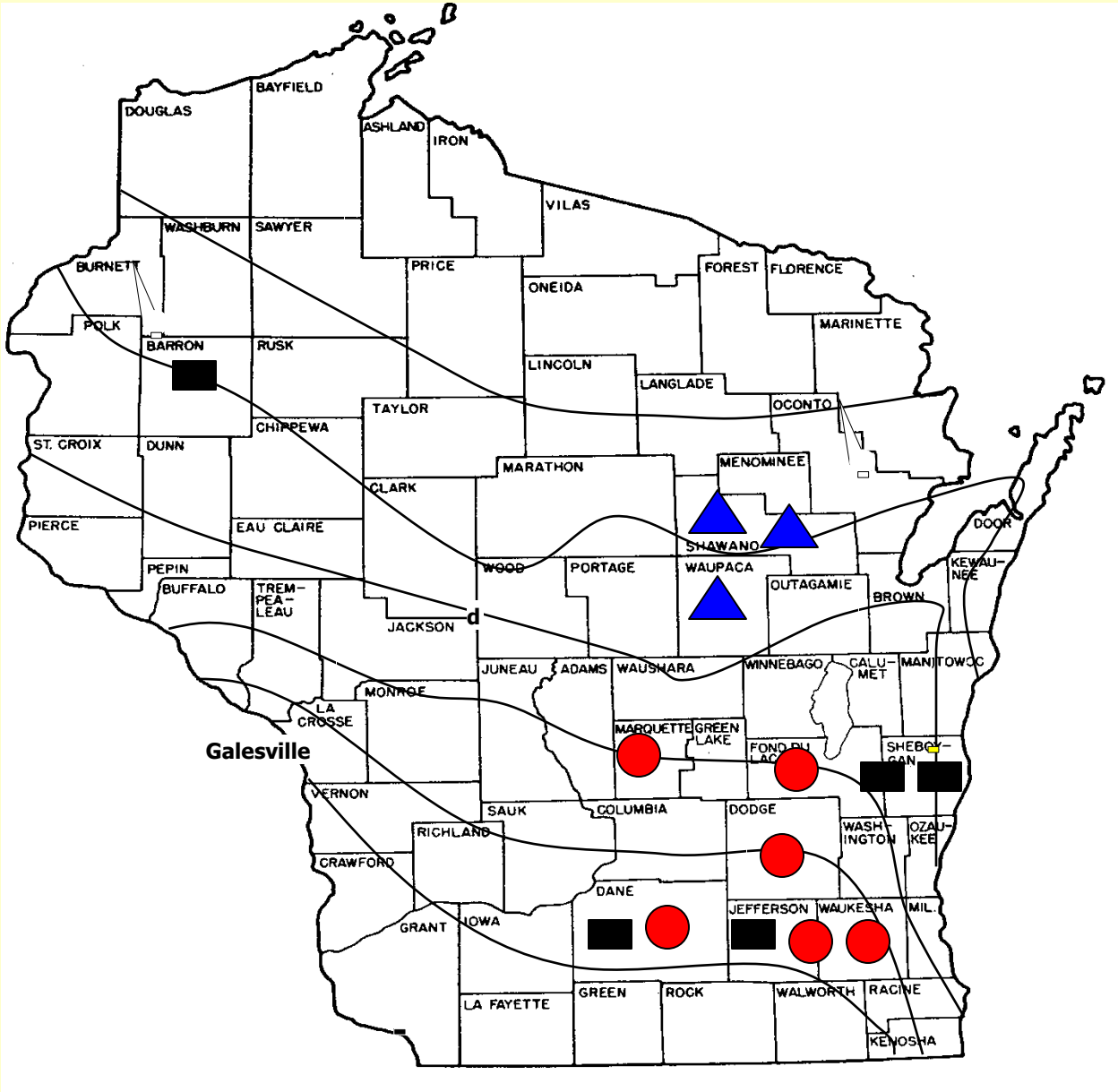
www.wisc.edu/dysci

Randy Shaver

Department of Dairy Science

University of Wisconsin – Madison

Survey Herd Locations



2010

2007

2004

Survey Herds

	Sept-2010 5-Herd Summary	Fall-07 3-Herd Summary	Feb-04 6-Herd Summary
No. Milking Cows	85 - 2274	60 - 331	280 - 570
DHI Milk RHA, lb	32k – 37k	30k – 33k	29k – 31k

KAISER
KAISER

Forage Program—Milking Cows

	Sept-2010 5-Herd Summary	Fall-07 3-Herd Summary	Feb-04 6-Herd Summary
Wheat Straw	- - -	1/3	2/6
Dry Hay	4/5	3/3	3/6
Alfalfa Silage	5/5	3/3	6/6
Corn Silage	5/5	3/3	6/6

Herd or High Group Forage

	Sept-2010 5-Herd Summary	Fall-07 3-Herd Summary	Feb-04 6-Herd Summary
Forage % of Diet DM	50 - 60	51 - 58	45 - 63
Corn Silage % of Forage DM	35 - 67	40 - 60	41 - 68

Corn Silage Nutrient Composition

	Sept-2010 5-Herd Summary	Fall-07 3-Herd Summary	Feb-04 6-Herd Summary
DM, % of as fed	28 - 35	35 - 37	29 - 36
CP, % of DM	6 - 9	8	8 – 11
NDF, % of DM	37 - 43	40 - 44	39 – 49
IVNDFD, % of NDF	60 - 67	63 - 65	61 - 67
Starch, % of DM	33 - 36	29 - 38	25 – 32
TDN_{1x}, % of DM	72 - 75	69 - 72	66 – 73

Alfalfa Silage Nutrient Composition

	Sept-2010 5-Herd Summary	Fall-07 3-Herd Summary	Feb-04 6-Herd Summary
DM, % of as fed	33 - 46	44 - 50	28 - 52
CP, % of DM	17 - 25	19 - 23	19 – 26
NDF, % of DM	34 - 47	37 - 38	35 – 42
IVNDFD, % of NDF	- - -	57 - 59	39 - 58
NFC, % of DM	22 - 35	31 - 34	24 – 35
TDN_{1x}, % of DM	56 - 65	63 - 64	58 – 65

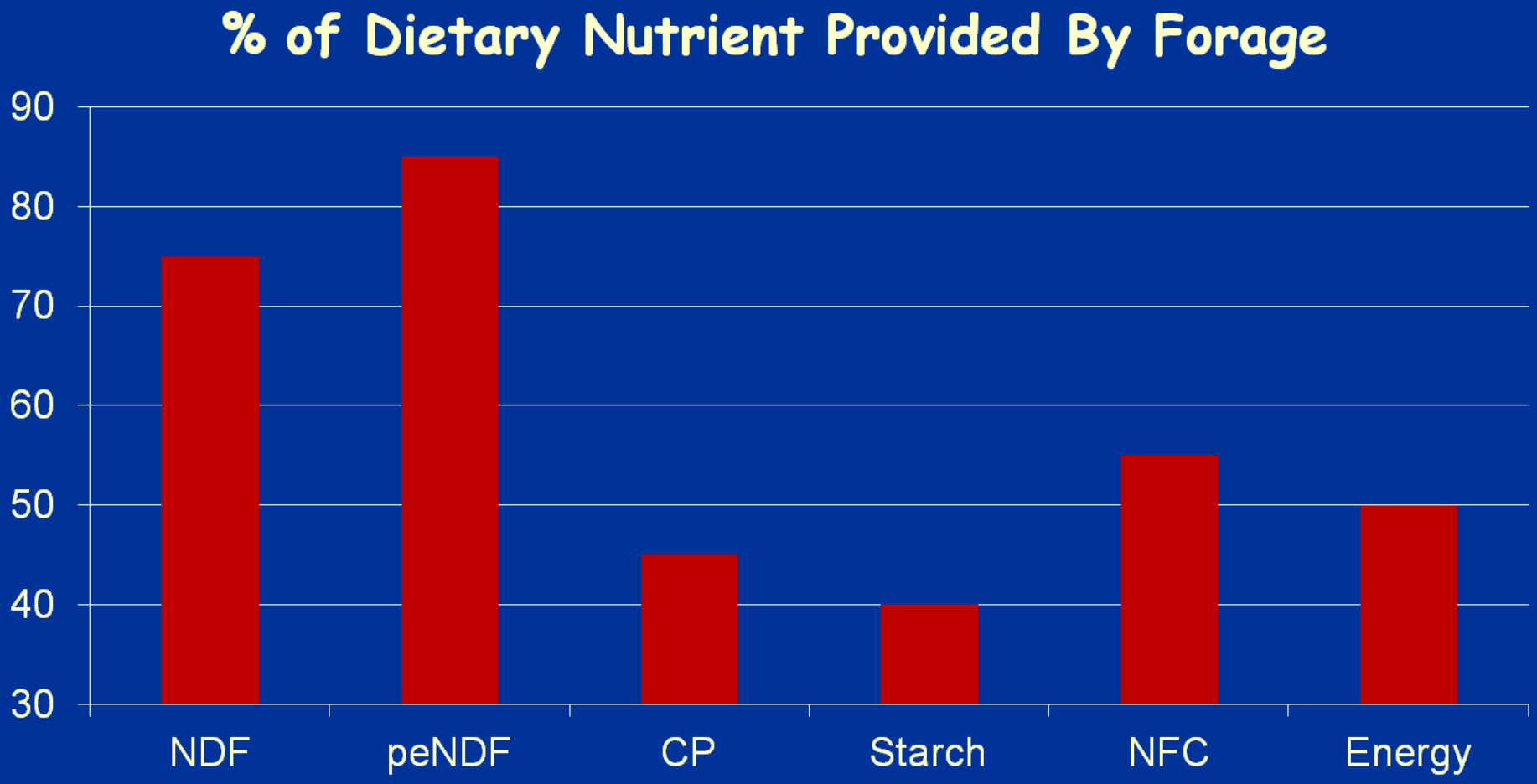
Herd or High Group DMI & Feed Efficiency

	Sept-2010 5-Herd Summary	Fall-07 3-Herd Summary	Feb-04 6-Herd Summary
DMI, lb per day	57 - 68	55 - 59	57 - 68
Milk/DMI	1.6 – 1.8	1.8 - 1.9	1.7 – 1.8
FCM/DMI	1.6 – 1.9	--	1.6 – 1.8

Herd/HGRP Diet Nutrient Composition

	Sept-2010 5-Herd Summary	Fall-07 3-Herd Summary	Feb-04 6-Herd Summary
DM, % as fed	42 - 53	--	40 - 57
CP, % DM	16.3 – 17.5	17.3 - 18	17 – 18.5
NDF, % DM	25 - 31	28 - 31	26 – 32
Forage NDF, % DM	20 - 24	21 - 24	18 - 23

Calculated from Survey Summaries



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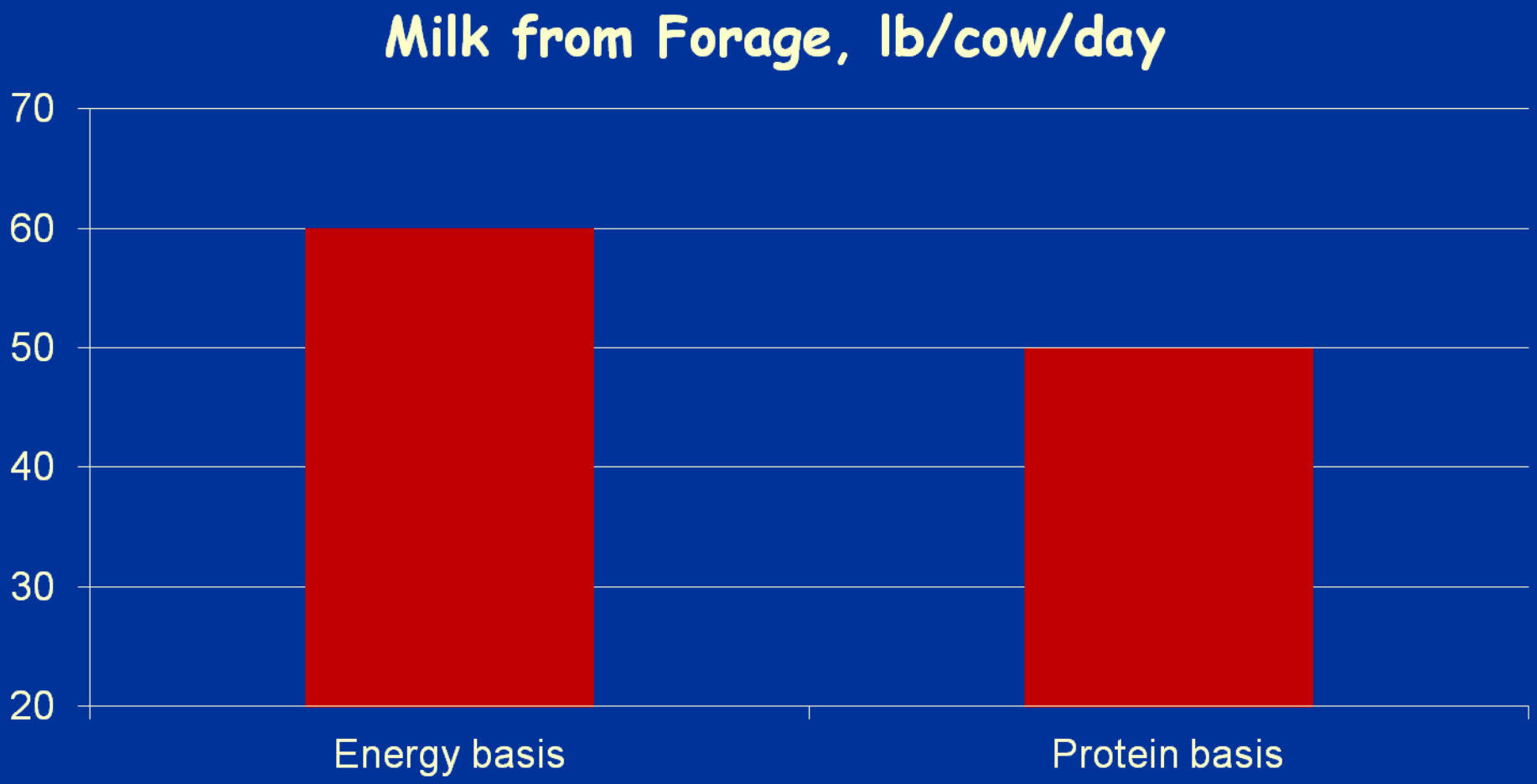
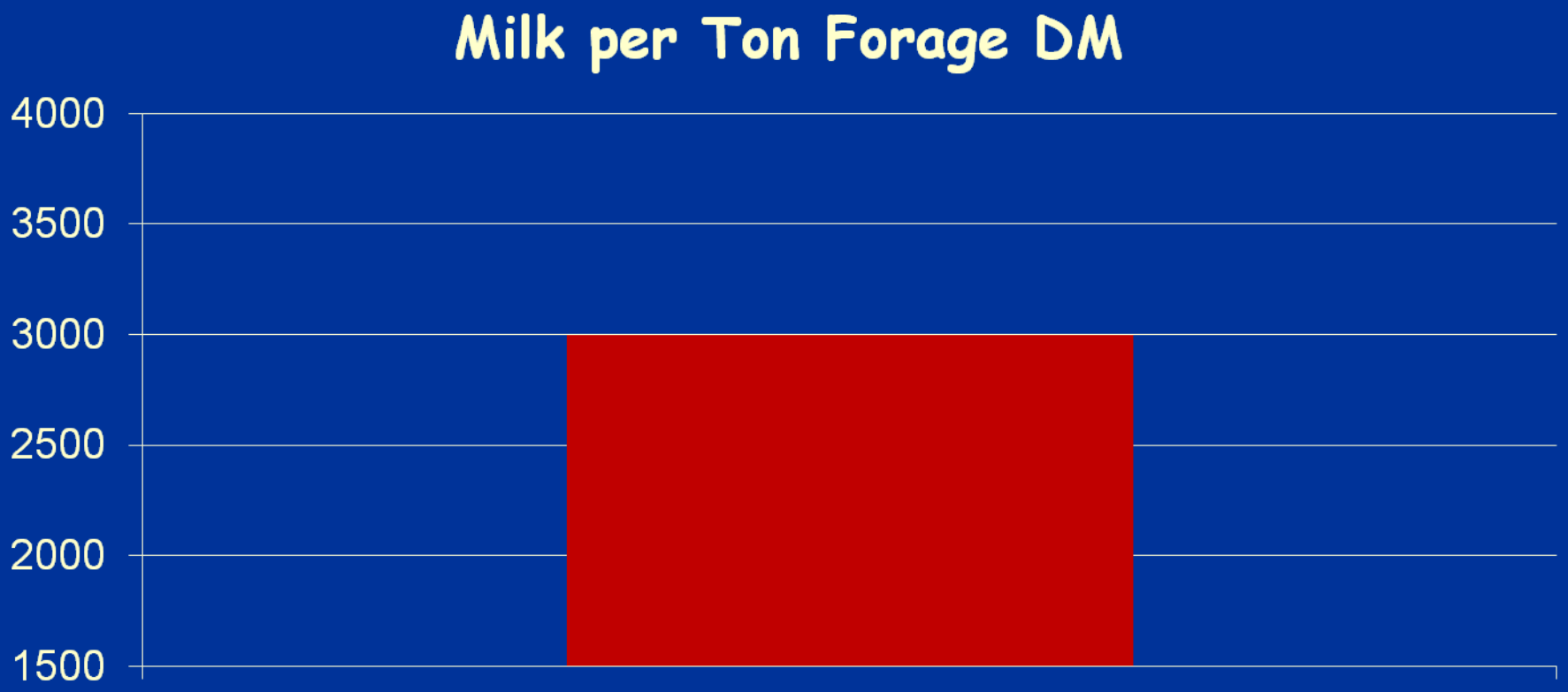


Maintenance & BWG needs apportioned to forage or concentrate according to diet F:C ratio

Calculated from Survey Summaries



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

Herd or High Group Corn

	Sept-2010 5-Herd Summary	Fall-07 3-Herd Summary	Feb-04 6-Herd Summary
Dry Corn	1/5	2/3	3/6
HM Corn % Moisture	5/5 27 - 34	2/3 27 - 34	4/6 24 - 26

Supplements—Herd or High Group

	Sept-2010 5-Herd Summary	Fall-07 3-Herd Summary	Feb-04 6-Herd Summary
CGF	2/5	--	3/6
DDG	2/5	2/3	2/6
WCS	5/5	3/3	6/6
Soyhulls	2/5	2/3	1/6
LFS (Molasses)	3/5	1/3	2/6
Liquid Whey	2/5	--	1/6

Supplements—Herd or High Group

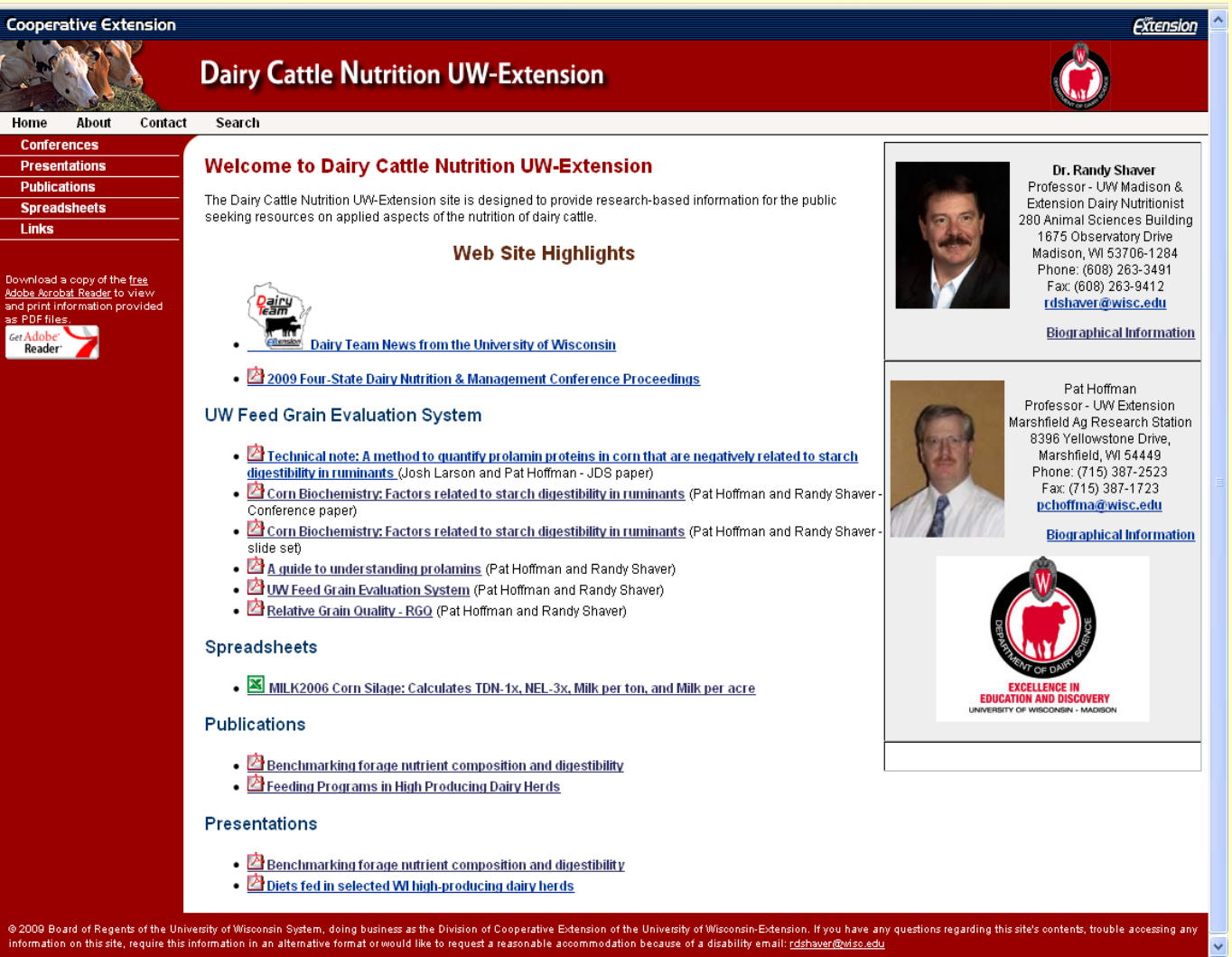
	Sept-2010 5-Herd Summary	Fall-07 3-Herd Summary	Feb-04 6-Herd Summary
SBM solv.	3/5	3/3	5/6
SBM exp., htd.	4/5	3/3	1/6
Rst. SB	3/5	2/3	4/6
CGM-60	2/5	2/3	2/6
Blood/AP Blend	5/5	3/3	4/6
Urea	1/5	2/3	3/6

Supplements—Herd or High Group

	Sept-2010 5-Herd Summary	Fall-07 3-Herd Summary	Feb-04 6-Herd Summary
Buffer	5/5	3/3	4/6
Yeast	4/5	3/3	6/6
Rumensin	5/5	3/3	NA
Myco. Control	3/5	1/3	3/6

Visit UW Extension Dairy Cattle Nutrition Website

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



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