

**HERD NUTRITION HISTORY AND EVALUATION FORM**

Developed by Dr. G.R. Oetzel, University of Wisconsin-Madison

*I. GENERAL HERD INFORMATION*

Name: \_\_\_\_\_ Telephone: \_\_\_\_\_ Date of Visit: \_\_\_\_\_

Address: \_\_\_\_\_

"Signalment" Breed: \_\_\_\_\_ Herd Size: \_\_\_\_\_ Rolling Herd Average, milk/cow/yr: \_\_\_\_\_

Feeding System: \_\_\_\_\_ Record Program(s): DHI/R (Official OS AM/PM) Other: \_\_\_\_\_

Farm Labor: \_\_\_\_\_ Who does the feeding? \_\_\_\_\_

Referring DVM: \_\_\_\_\_ Telephone: \_\_\_\_\_

Address: \_\_\_\_\_

Feeding Advice from: \_\_\_\_\_ Telephone: \_\_\_\_\_

Company: \_\_\_\_\_

Address: \_\_\_\_\_

Presenting Nutritional Problem: \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

*II. HERD BACKGROUND INFORMATION*

Cows in Milk: \_\_\_\_\_ Cows Dry: \_\_\_\_\_ # Stalls in Barn: \_\_\_\_\_ Avg. Milk/Cow/Day: \_\_\_\_\_

% Fat: \_\_\_\_\_ % Protein: \_\_\_\_\_ Heifer Age 1st Calve: \_\_\_\_\_ Cull Rate: \_\_\_\_\_ Days in Milk: \_\_\_\_\_

1st Lact ME milk: \_\_\_\_\_ 1st Lact Peaks: \_\_\_\_\_ Later Lact ME milk: \_\_\_\_\_ Later Lact Peaks: \_\_\_\_\_

Heifer Peaks, % of Cows: \_\_\_\_\_ Somatic Cell Count: \_\_\_\_\_ Linear Scores, 1st: \_\_\_\_\_ Later: \_\_\_\_\_

Avg. Days Open: \_\_\_\_\_ AI Bred? \_\_\_\_\_ PTA\$ Service Sires: \_\_\_\_\_ PTA\$ Later Lact: \_\_\_\_\_

Comments on DHI Information: \_\_\_\_\_

\_\_\_\_\_

Plans / Goals for Herd: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

rBST Use: Yes No If Yes, then strategy for use: \_\_\_\_\_

Reasons for Culling: \_\_\_\_\_  
\_\_\_\_\_

Source of Replacements: \_\_\_\_\_ Housing: \_\_\_\_\_

Are Cows Purchased? \_\_\_\_\_ Sources: \_\_\_\_\_ Adaptation to Herd: \_\_\_\_\_

*III. NUTRITION-RELATED DISEASE INCIDENCE (Last 12-Month Period)*

<u>Cases/year:</u>	<u>Cases/year:</u>	<u>Cases/year:</u>
Ret. Placenta: _____	Lame Cows: _____	Cystic Ovaries: _____
Milk Fever: _____	Laminitis: _____	Static Ovaries: _____
Ketosis: _____	Udder Edema: _____	Displaced Abomasum: _____

Dead Cows, Causes of Death: \_\_\_\_\_

Herd Reproductive Checks by: \_\_\_\_\_ Frequency: \_\_\_\_\_

Hoof Trimming Information: \_\_\_\_\_

Other Medical Information: \_\_\_\_\_  
\_\_\_\_\_

*IV. ENVIRONMENT EVALUATION*

Type of Barn: Stanchion Tie Stall Stanchion/Tie Stall Mix Free Stall/Parlor Open Lots/Parlor Other: \_\_\_\_\_

If flat barn, does each cow have her own, assigned stall? Yes No

If flat barn, are the dry cows kept in the barn? Yes No If no, where are dry cows housed? \_\_\_\_\_

Cow platform or free stall size: \_\_\_\_\_ Surface: \_\_\_\_\_ Type/Frequency of Dividers: \_\_\_\_\_

Comments: \_\_\_\_\_  
\_\_\_\_\_

Ventilation Assessment (subjective): \_\_\_\_\_

Bedding Material(s): Baled Straw Chopped Straw Paper Corn Stover Sawdust Wood Shavings Sand

Do Cows Eat Bedding?: Definitely Maybe No

Cow Cleanliness: \_\_\_\_\_ Cow Comfort: \_\_\_\_\_

Chewing Activity: \_\_\_\_\_ cows chewing of \_\_\_\_\_ total cows ( \_\_\_\_\_ %) [eating or chewing cud]

Summer Exercise: \_\_\_\_\_

\_\_\_\_\_

Winter Exercise: \_\_\_\_\_

\_\_\_\_\_

Feed Bunk Evaluation:

Location :    Length:    Width:    # Cows:    Ft./Cow:    Roof?:    Side Dividers?:    Center?:    Surface:    Cleanliness:

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Comments: \_\_\_\_\_

*V. GENERAL NUTRITION INFORMATION*

Manure Evaluation - Particles: \_\_\_\_\_ Odor: \_\_\_\_\_ Appearance: \_\_\_\_\_ pH: \_\_\_\_\_

Average Weight of Milking Cows: \_\_\_\_\_ 1st Lact: \_\_\_\_\_ (use weights of cull cows if possible)

Average Weight of Recently Fresh Heifers: \_\_\_\_\_ (tape as many eligible heifers as possible)

Feeding System:    Component    TMR    TMR/Topdress    Combination    Computer Feeder(s)    Parlor Grain

Comments: \_\_\_\_\_

\_\_\_\_\_

Water source(s): \_\_\_\_\_

Locations: \_\_\_\_\_ Capacity: \_\_\_\_\_ Cleanliness: \_\_\_\_\_ Flow Rates: \_\_\_\_\_

Water Quality Analysis? Yes No Comments: \_\_\_\_\_

Type of Silo(s):            Type:            Size:            Ingredient(s):            Unloading:

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Comments: \_\_\_\_\_

Subjective Evaluation of Chopped Forages and Processed Concentrates:

<u>Feed:</u>	<u>Chop or Grind Eval.:</u>	<u>Palatability:</u>	<u>DM Estimate:</u>	<u>pH:</u>
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

Innoculants/enzymes/preservatives used for silages: \_\_\_\_\_

Number of alfalfa cuttings per average year: \_\_\_\_\_

Changes of Feeding During Season: Summer Pasture Green Chop Haylage/Silage Other

Approximate number of forage switches per year: \_\_\_\_\_

Frequency of analysis of forages: \_\_\_\_\_

Is there an analysis of the current forage(s)? Yes No Laboratory Used: \_\_\_\_\_

Sampling Techniques: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Changes in Nutrition Program in Last Year:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

VI. CHEMICAL ANALYSIS OF FEEDS

Ingredient →										
	Book Value	Your Analysis	Book Value	Your Analysis	Book Value	Your Analysis	Book Value	Your Analysis	Book Value	Your Analysis
Analysis Source:										
Lab/Reference #										
Analysis Date:										
Harvest Date:										
Computer #										
Storage:										
Price:										
Nutrient:	————— 100 % DM Basis —————									
DM, %										
NEL, Mcal/lb										
EE, %										
Added Fat, %										
CP, %										
UIP of CP, %										
UIP, %										
SIP of CP, %										
SIP, %										
NPN, %										
ADF, %										
NDF, %										
FNDF, %										
NFC, %										
Ash, %										
Ca, %										
Cl, %										
Mg, %										
P, %										
K, %										
Salt, %										
Na, %										
S, %										
DCAD, meq/kg										
Co, ppm										
Cu, ppm										
I, ppm										
Fe, ppm										
Mn, ppm										
Se, ppm										
Zn, ppm										
Vit A, KIU/lb										
Vit D, KIU/lb										
Vit E, IU/lb										

**MORE CHEMICAL ANALYSES OF FEEDS**

Ingredient →										
	Book Value	Your Analysis	Book Value	Your Analysis	Book Value	Your Analysis	Book Value	Your Analysis	Book Value	Your Analysis
Analysis Source:										
Lab/Reference #										
Analysis Date:										
Harvest Date:										
Computer #										
Storage:										
Price:										
Nutrient:	————— 100 % DM Basis —————									
DM, %										
NEL, Mcal/lb										
EE, %										
Added Fat, %										
CP, %										
UIP of CP, %										
UIP, %										
SIP of CP, %										
SIP, %										
NPN, %										
ADF, %										
NDF, %										
FNDF, %										
NFC, %										
Ash, %										
Ca, %										
Cl, %										
Mg, %										
P, %										
K, %										
Salt, %										
Na, %										
S, %										
DCAD, meq/kg										
Co, ppm										
Cu, ppm										
I, ppm										
Fe, ppm										
Mn, ppm										
Se, ppm										
Zn, ppm										
Vit A, KIU/lb										
Vit D, KIU/lb										
Vit E, IU/lb										

PRE-BLENDED FEED INGREDIENT MIXES

Grain Mix "Recipe":	<u>Ingredient:</u>	<u>Amount:</u>
	_____	_____
	_____	_____
	_____	_____
	_____	_____
	_____	_____
	_____	_____
	_____	_____
	_____	_____
	_____	_____
	_____	_____

Protein Mix:	<u>Ingredient:</u>	<u>Amount:</u>
	_____	_____
	_____	_____
	_____	_____
	_____	_____
	_____	_____
	_____	_____
	_____	_____
	_____	_____
	_____	_____
	_____	_____

2 <sup>nd</sup> Protein Mix "Recipe":	<u>Ingredient:</u>	<u>Amount:</u>
	_____	_____
	_____	_____
	_____	_____
	_____	_____
	_____	_____
	_____	_____
	_____	_____
	_____	_____
	_____	_____
	_____	_____

Mineral Mix:	<u>Ingredient:</u>	<u>Amount:</u>
	_____	_____
	_____	_____
	_____	_____
	_____	_____
	_____	_____
	_____	_____
	_____	_____
	_____	_____
	_____	_____
	_____	_____

2 <sup>nd</sup> Mineral Mix "Recipe":	<u>Ingredient:</u>	<u>Amount:</u>
	_____	_____
	_____	_____
	_____	_____
	_____	_____
	_____	_____
	_____	_____
	_____	_____
	_____	_____
	_____	_____
	_____	_____

Other Mix:	<u>Ingredient:</u>	<u>Amount:</u>
	_____	_____
	_____	_____
	_____	_____
	_____	_____
	_____	_____
	_____	_____
	_____	_____
	_____	_____
	_____	_____
	_____	_____

VII. SPECIFIC NUTRITIONAL INFORMATION - COMPONENT FED HERDS ONLY!

Transition Period Feeding: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Transition Period Length: \_\_\_\_\_ Amount of Concentrates at Freshening: \_\_\_\_\_

Adaptation of Cows/Heifers to Stanchions/Tie Stalls: \_\_\_\_\_

Early Lactation Period - Criteria for concentrate feeding: \_\_\_\_\_

Protein - Rate of Increase: \_\_\_\_\_ Time to Maximal Protein Feeding: \_\_\_\_\_

Comments: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Grain - Rate of Increase: \_\_\_\_\_ Time to Maximal Grain Feeding: \_\_\_\_\_

Comments: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Late Lactation Period - Criteria for concentrate feeding: \_\_\_\_\_

Pasture Grazing (for nutrition)? Yes No If yes, from \_\_\_\_\_ (month) to \_\_\_\_\_ (month)

Hours of grazing/day: \_\_\_\_\_ Improved pastures? Yes No Controlled grazing? Yes No

Comments: \_\_\_\_\_

Feed Refusals - Concentrates: \_\_\_\_\_

Feed Refusals - Forages: \_\_\_\_\_

Free Choice Minerals (including salt): \_\_\_\_\_

Location of Mineral Feeder(s): \_\_\_\_\_





Amounts of Feed Offered:

Requirement Description:	Unit of Measure	Far-Off Dry	Pre-Fresh Dry	Milk Production (lbs/cow/day)				Feeding Accuracy*
				40	60	80	100	
Milk Production (lbs/day) →								
Cow ID for this ration →								
# of Cows at this ration →								
Milk Fat (%)→								
Body Weight (lbs) →								
Lactation # →								
Weight Gain or Loss →								
FORAGES:	#							
CONCENTRATES:	#							
TOTALS:								
As Fed Intake →								
Dry Matter Intake →								

\*Accuracy Grade: A = Known for individuals B = Known for groups C = Can back-calculate D = Cows choose

<u>Weights of feeds:</u>	<u>Assumed:</u>	<u>Actual:</u>	<u>Comments:</u>
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

VIII. SPECIFIC NUTRITIONAL INFORMATION - TMR HERDS ONLY!

Pen	Pen Name	Diet	Daily Feedings	# Cows	Rows of Stalls	Stalls (# and %)	Headlocks (# and %)

Comments: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Pen	Pen Name	Repro Status	Average Lactation #	Average DIM	Average Milk	Average %Fat	Average % Protein

Comments: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Type / Model of Mixer: \_\_\_\_\_ Scales checked: \_\_\_\_\_

Frequency of Checking DM Content of Forages: \_\_\_\_\_ Method: \_\_\_\_\_

Transition Feeding: \_\_\_\_\_  
\_\_\_\_\_

Early Lactation Feeding: \_\_\_\_\_

Criteria for Moving from Group to Group: \_\_\_\_\_  
\_\_\_\_\_

Feeding Techniques and Sequence:

AM \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

PM \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Feed Refusals: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Bunk Cleanup Procedures: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Free Choice Minerals (including salt): \_\_\_\_\_

Location of Mineral Feeder(s): \_\_\_\_\_

TMR Load Sheet Information:

		TMR Group:					
Group Name →							
Cows/Group →							
Feedings/Day →							
FEED INGREDIENT:	_____ as-fed amount _____						

Comments: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Amounts of Feed Offered:

Requirement Description:	Far-Off Dry	Pre-Fresh Dry	TMR Group:				Feeding Accuracy*
			Heifer	Low	Middle	High	
Milk Production (lbs/day) →							
Milk Fat (%)→							
Body Weight (lbs) →							
Lactation # →							
Weight Gain or Loss →							
FORAGES:	#						
CONCENTRATES:	#						
TOTALS:							
As Fed Intake →							
Dry Matter Intake →							

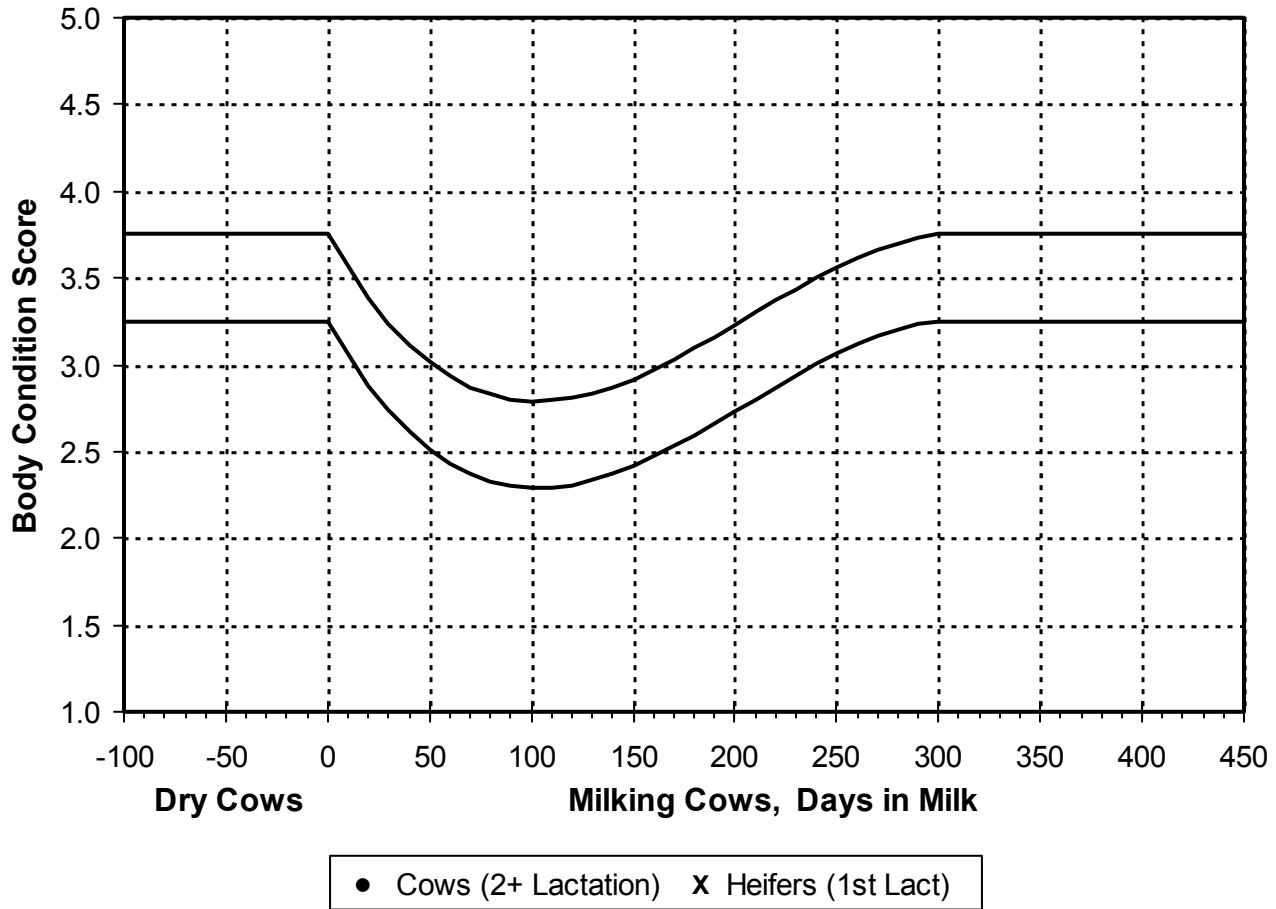
\*Accuracy Grade: A = Known for individuals B = Known for groups C = Can back-calculate D = Cows choose

Accuracy of Mixer Scales: \_\_\_\_\_

<u>Weights of feeds:</u>	<u>Assumed:</u>	<u>Actual:</u>	<u>Comments:</u>
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

# Plot of Body Condition Scores by Days in Milk

Herd: \_\_\_\_\_ Date: \_\_\_\_\_



"Ideal" body condition scores should fall between the two curved lines

*Chart adapted from a spreadsheet originally developed by J. Fetrow, VMD, MBA*