



ANM17 - Montana Supplement

Monitoring Nutritional Status of Livestock Using the NUTBAL PRO System – (Animal Enhancement Activity)

Montana Clarification

Information on the NUTBAL PRO system can be found at
http://cnrit.tamu.edu/ganlab/GANlab_webpage_files/nutbalpro.htm

An example copy of the NUTBAL PRO cover sheet is found on page 2 of this enhancement.

Montana Specifications

A minimum of 6 forage analysis per year per herd is required. If the herd grazes on both pasture and rangeland throughout the year, samples must be taken from both (i.e. 3 from pasture grazing and 3 from rangeland grazing).

Incompatible Enhancements

Some enhancements are not compatible with other enhancements. If you have a question, contact your local NRCS office.

Eligible Land

Pasture and rangeland

Applicable Amount

Acres of pasture and range

Documentation Requirements

For each forage sample collected for analysis:

- A copy of the forage analysis report.
- A copy of the NUTBAL PRO reports generated from the decision support software.
- Written documentation of the immediate management decisions made as a result of the analysis and/or the building of a seasonal forage quality curve to be used for future management decisions.
- Include a copy of the cover page from the report (NUTBAL PRO system).

Example Report you can use with clients participating in the NIRS/NUTBAL program for the first time.

STANDARD BALANCE REPORT

Case Information

Ranch Name: Really Risky Ranch
 Herd: Angus Cows
 Profile Name: Mature Angus Cows
 Profile Date: 07/10/2000
 Case Name: 12345
 Case Description: July Sample
 Vegetation: Native Range
 Pasture ID: cp-3-8-13
 Animal Kind: CATTLE
 Animal Class: COW 60-? MONTHS
 Breedtype: Angus FS 3.4 (Really Risky Ranch)
 Standard Ref. Wt. (lbs): 1059.630
 Current Weight (lbs): 984.500
 Current Body Condition: 4.00
 Days Lactating: 72
 Days Pregnant: 0

<u>Nutritional Status</u>	<u>Intake</u>	<u>Requirement</u>	<u>Balance</u>
Crude Protein	2.463	2.191	0.272
NEm (Mcal/day)	20.677	16.099	4.578
NEg (Mcal/day)	2.806	0.000	2.806

Performance

Weight Performance goal in lbs/day: 0.0000
 Estimated weight change in lbs/day: 1.18
 Estimated body condition in 30 days: 4.51
 Performance Limited By: CRUDE PROTEIN

<u>Dry Matter Intake</u>	<u>lbs</u>	<u>%Std. Ref. Wt.</u>	<u>AUE</u>
Concentrates	0.000	0.000	0.000
Roughage:	0.000	0.000	0.000
Forage:	29.605	27.94	1.139
Sub Total:	29.605	2.794	1.139
Calf DM/d:	1.967		0.076
Total:	31.572	2.794	1.215

<u>Diet Quality</u>	<u>Overall</u>	<u>Forage</u>
CP consumption (%):	8.32	8.32
DOM consumption (%):	63.86	63.86
DOM/CP ratio:	7.68	7.68

<u>Milk</u>	<u>Fecal</u>	
Potential Milk Production (lb/d): (lb/day): 9.7540	12.75	Estimated Fecal Output
Actual Milk Production (lb/d): 0.0244	12.75	Fecal P Output (lb/day):

Fecal N Output (lb/day): 0.1151

Please see next page for comments.

I acknowledge that I have read and understand all that is required for the implementation of this CSP Enhancement Activity.

Contract Participant

Date