

Advisory Report

Sample: 28590

Date Collected: 2014-07-21

Pasture Name: Greenhouse

Report Date: 2020-02-03

Objectives

To determine if the nutrition from the forage is adequate to maintain a positive plane of nutrition, gain weight, and improve body condition of the livestock.

Report Summary

The sample's forage crude protein (CP) content is 7.9% and forage digestible organic matter (DOM) content is 59.5%. The forage DOM/CP ratio is 7.53 which is outside the ratio for positive rumen efficiency. Optimal rumen efficiency is achieved when the DOM/CP ratio is between 4 and 7 with 4 being the best.

Female Angus 2009-04 10647

Your sample's forage quality for this profile is inadequate for the animals' nutritional requirements to gain the desired weight and body condition at the time the sample was collected. Currently the animals are on a negative plane of nutrition, losing weight and losing body condition.

This profile is parameterized in NUTBAL as 63 month old lactating female Angus cattle weighing 1175 lbs with a body condition score (BCS) of 5.0. On their current diet the cattle are losing approximately 0.9 lbs/hd/d which will decrease body condition to an estimated BCS of 4.7 in 30 days. At this forage quality, the cattle are consuming around 23.41 lbs/hd/d of forage on a dry matter basis which is approximately 1.99% of their individual body weights. The Animal Unit Equivalency (AUE) = 0.9 based on forage consumption. The feeds used increased the CP value from 7.9 to 9.05 and increased the DOM value from 59.5 to 61.54, changing the ratio from 7.53 to 6.8.

Recommendations

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At this time the first limiting nutrient for this profile is crude protein. Providing higher quality pasture and or feeding a supplement would transition them to a positive plane of nutrition as well as have them maintaining or gaining body condition score. By feeding 3.5 lbs of corn gluten feed (24% CP, 90% TDN), or a feed with similar nutrient composition, this profile should be able to maintain BCS and maintain weight. Examples of similar feeds may include distillers grains, whole cottonseed, or a high-energy range cube or cake.