

BEEF COMPREHENSIVE NUTRITION ANALYSIS

Unlock accurate energy predictions for building better diets

Accurate assessment of feedstuff energy content is essential to both optimal cattle performance and maintaining a healthy bottom line. The Beef Comprehensive Nutrition Analysis from Rock River Laboratory reports calculations that better predict actual cattle responses through:

TTNDFD

Total Tract Neutral Detergent Fiber (TTNDFD) is a fiber quality appraisal and a major component of the Beef CNA Net Energy of Gain (NEG) calculations. Proven reliable in dairy cattle rations and utilizing four fiber digestion time points for a dialed-in NDF digestion rate, TTNDFD helps provide a more accurate NEG prediction.



SUPPORTING RESEARCH

Research conducted by Dr. Garland Dahlke of Iowa State University along with Rock River Laboratory compared actual measurements to Net Energy Gain (NEG) in late summer calving Angus cows¹. The least bias between projected weight and actual weights were observed in treatment rations utilizing energy calculations incorporating TTNDFD.

COMPLETE RESULTS

Comprehensive Nutritional Analysis results reports include 60-day and 4-year averages as well as NDF and rumen starch digestion graphs for improved rumen carbohydrate digestion visualization.

Reduce nutrition and energy deficiencies, improve feed efficiency, and optimize high energy requirement diets with the Beef CNA. Choose "Beef Comprehensive Nutrition Analysis" on your Rock River Laboratory Feed Analysis Request form, or within the FeedScan sample submission app, and reap the benefits of accurate performance predictions.

¹Dahlke, G., Goeser, J., and Jakub, D. (2019). A comparison of TDN and Net Energy Calculations for estimating empty body weight change for beef cows using ADF, NRC-01 lignin and TTNDFD Methodology [White paper]. Iowa State University.

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