METHOD OF IMPROVING EFFICIENCY IN RUMINANTS

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Notice: This patent is subject to a terminal disclaimer.

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ABSTRACT

Disclosed are methods of altering blood constituents in grazing animals. Serum concentrations of serum insulin, serum urea nitrogen, serum glucose, and serum growth hormone in ruminants were varied by feeding specific protein supplements and an otherwise negative energy diet. Protein supplements were selected both from high rumen-degradable proteins, such as cottonseed meal, and low rumen-degradable proteins, such as blood and feather meals. Improvement in body condition and body weight was concomitant with reduced milk production.

18 Claims, 8 Drawing Sheets