



Redmond Conditioner

Supports rumen health better than sodium bicarbonate*



Since the 1950s, thousands of customers and millions of animals have used Redmond Minerals and never looked back. Switching to Redmond is a small shift that makes a huge difference.

Objective

The objective of this study was to measure the performance of Redmond Conditioner as a rumen supplement in cattle; to compare Conditioner and sodium bicarbonate in terms of microbial health, rumen pH, and fiber digestion.

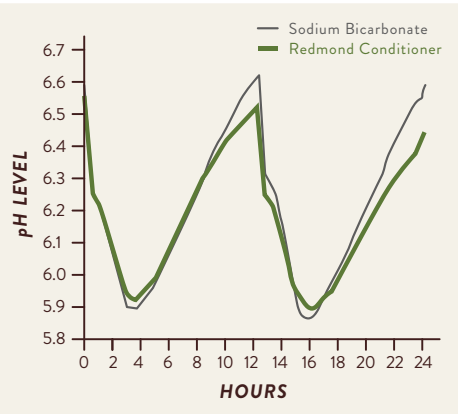
Procedures

- A high energy lactation ration was digested in vitro and normal digestion processes were followed for both groups.
- The control group was given a supplementation of sodium bicarbonate (bicarb)
- The Redmond group was given Redmond Conditioner in place of bicarb.

Results

There was a tendency for the Redmond Conditioner to support slightly greater digestion of acid detergent fiber (ADF) (P=0.15) and neutral detergent fiber (NDF) than the bicarb treatment. This led to a small increase in the grams of total carbohydrate digested for the Conditioner treatment.

Flow from the fermenters of non-ammonia nitrogen (NAN), which is the combination of microbial N and by-pass feed N, was slightly but significantly higher (P<0.05) for the conditioner treatment, while the ammonia flow was less due to the significantly lower (p<0.05) lower ammonia levels in the fermenters.



	Redmond Conditioner	Sodium Bicarbonate
Buffer Capacity	✓	✓
Fiber/Carb Digestion	✓	
Improves Feed Efficiency	✓	
Lowers Rumen Ammonia	✓	
Toxin Binding	✓	
Lower Cost	✓	

*Data Source: T.K. Miller Webster and W.H. Hoover Rumen Fermentation Profiling Laboratory, West Virginia University

Conclusion

Redmond Conditioner:

- Supported microbial growth and metabolism as effectively as bicarb
- Enhanced carbohydrate and fiber digestion

- Improved feed efficiency
- More efficiently controlled and utilized ammonia levels
- Buffered rumen pH levels as effectively as bicarb
- Is a viable alternative to bicarb for cattle rumen health



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