

Rumen-bac[®] Animal Study

For the health and performance of dairy cows

Rumen-bac[®] improves nutrient digestibility in dairy cows



Improved rumen function in dairy cows results in higher digestibility of feed stuffs, better feed efficiency and higher feed intake.

A digestibility study was conducted at Utah State University to determine the effects of **Rumen-bac[®]** on digestion in the rumen of dairy cows.

Rumen-fistulated dairy cows were used in the study, using seven day collection periods. The experimental ration consisted of a 60:40 roughage to concentrate diet. Treatments consisted of **Rumen-bac[®]** fed at 0, 10 and 15 grams/head/day.

Results are shown in the figure below.

Effect of Rumen-bac[®] on Digestibility in Dairy Cows

	Digestibility %		
	Crude Protein	NDF	ADF
Control	65.1	52.0	42.9
Rumen-bac [®] , 10 grams	69.6	54.9	45.7
Rumen-bac [®] , 15 grams	69.8	56.3	48.7

This study found **Rumen-bac[®]** increased both protein and fiber digestibility in the rumen. This is consistent with other research.

Crude protein digestibility was improved by **6.91%** with 10 grams of **Rumen-bac[®]** per head per day and by **7.22%** with 15 grams of **Rumen-bac[®]** per head per day.

At 10 gram/head/day, **Rumen-bac[®]** demonstrated an increased in NDF and ADF digestibility by **5.57%** and **6.53%** respectively.

At 15 grams/head/day, **Rumen-bac[®]** increased NDF by **8.27%** and ADF digestibility by **13.52%**.

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LA-02-007 REV 7-152

Naturally Effective Solutions

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