



**AAAlphaTek**

Get it back with AAAlphaTek™

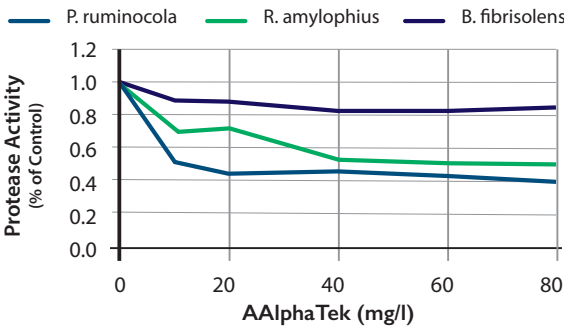
↙ Reduce ration costs by 10 cents per cow per day

Protein is expensive. Get back your lost savings with AAAlphaTek™. As a unique, research-based supplement for lactating dairy cows, AAAlphaTek™ reduces protein degradation in the rumen. This allows you to feed a more economical, rumen degradable source of protein rather than a high-cost undegradable source. Start counting the savings in your ration with AAAlphaTek™.

## Reduce protein degradation in the rumen

Protein sources that are undegradable in the rumen are expensive and cut into a farm's bottom line. AAAlphaTek is the solution to this common challenge. AAAlphaTek reduces ruminal protein degradation by slowing the protease activity of specific species of rumen bacteria. The result is higher nitrogen efficiency and less rumen ammonia.

Effect of AAAlphaTek on Protease Activity



## Research has shown that AAAlphaTek can:

- Reduce feed costs by an average of 5 to 15 cents per cow per day
- Decrease protein degradation in the rumen
- Replace high RUP ingredient sources with less costly sources

# Incorporates easily into the ration

**AAAlphaTek™ has a low inclusion rate (0.1 lb/h/d) and can be conveniently modeled within the Amino Acid Metabolizable Protein System (AAMPS) developed by Provimi.**



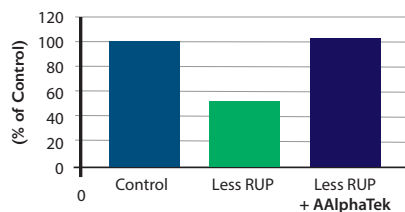
AAMPS is a nutritional model which is routinely updated with cutting-edge science and peer-reviewed research to turn a nutritionist's own observations into accurate, performance-improving predictions. AAMPS is the best way to determine the economic impact of any diet change on current and future herd performance.

A trial was conducted in continuous culture fermentors at the University of West Virginia's rumen fermentation profiling lab.

Treatments were: (1) Control (2) Less RUP - rumen degradable protein was increased by 5% by partial replacement of protein from expeller soybean meal and blood meal with an equal amount of protein from soybean meal (3) Less RUP and AAAlphaTek.

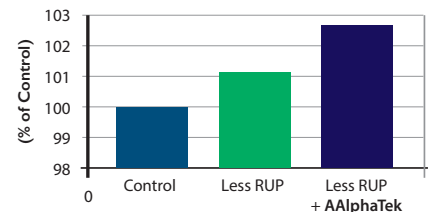
Rumen ammonia levels were lower in the treatment with AAAlphaTek. Digestion of organic matter and fiber was not affected by AAAlphaTek.

**RUP Flow from Fermentors**



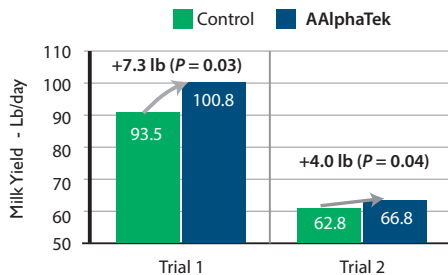
**AAAlphaTek increased RUP**

**Metabolizable Protein**



**AAAlphaTek increased total metabolizable protein**

## Milk Yield Results of Two University Trials



Two university trials with lactating cows showed an increase in milk yield of 4 to 6% when cows were fed AAAlphaTek. In addition, milk protein yield was significantly higher and milk urea nitrogen level was significantly lower when AAAlphaTek was fed.

\*Note: In these trials, AAAlphaTek was added to the control without changing the basic diet.

## Product # F100210025



Manufactured By:  
Provimi North America, Inc.  
Brookville, Ohio 45309

NET WT. 50 lb (22.68 kg)

## Typical Analysis

Crude Protein.....	Min .....	14.00%
Crude Fat.....	Min .....	0.90%
Crude Fiber.....	Max .....	4.00%
Acid Detergent Fiber (ADF).....	Max .....	7.00%
Calcium (Ca).....	Min... Max .....	6.80% 8.10%
Phosphorus (P).....	Min .....	0.35%

## Ingredients

Processed Grain By-Products, Calcium Carbonate, Zinc Sulfate, Plant Protein Products, *Saccharomyces cerevisiae*, Dried Condensed Corn Fermentation Solubles, Dried *Enterococcus faecium* Fermentation Product, Dried *Lactobacillus acidophilus* Fermentation Product, Dried *Lactobacillus plantarum* Fermentation Product, Dried *Lactobacillus brevis* Fermentation Product, Dried *Bacillus lentus* Fermentation Product, Dried *Bacillus subtilis* Fermentation Products, Dried *Aspergillus oryzae* Fermentation Extract, Dried *Trichoderma longibrachiatum* Fermentation Extract, Dried *Bacillus licheniformis* Fermentation Product, Reed-Sedge Peat, Salt of Glutamic Acid, Grain Products, Manganese Sulfate, Molasses Product, Yucca Schidigera Extract, Mineral Oil, Thiamine Mononitrate, Spices, Natural and Artificial Flavors, Preserved with Calcium Propionate.

## Feeding Directions

Feed to lactating dairy cattle at the rate of 0.1 pound (1.6 oz) per head per day.