



HELP YOUR PRODUCERS PRODUCE MILK AT LESS COST, AND ACHIEVE THE SUCCESS THEY WORK SO HARD FOR.

Advising a dairy is an ongoing economic challenge between cutting costs and increasing profits. The ration is a balancing act. In an effort to find the right balance between more quality milk and least possible cost, blood meal often gets added to rations. But blood meal is known for its inconsistency.

AAAlphaTek is a rumen modifier that reduces protein degradation in the rumen. It enables your dairy producers to feed an economical, rumen degradable source of protein, and reduce the need for more expensive and sometimes inconsistent bypass sources of protein.

AAAlphaTek offers several benefits:

- Increases income over feed costs while maintaining milk production like no other rumen modifier can.
- Shifts rumen degradable protein (RDP) to rumen undegradable protein (RUP).
- Provides a consistent alternative to blood meal.
- Gives your mill or your consulting business a win-win solution by helping you and your customer realize more profit.
- Backed by a team of experts specializing in dairy nutrition and on-farm management consulting, and in delivering research-proven results.

AAAlphaTek will give you confidence to help producers better manage costs and production.

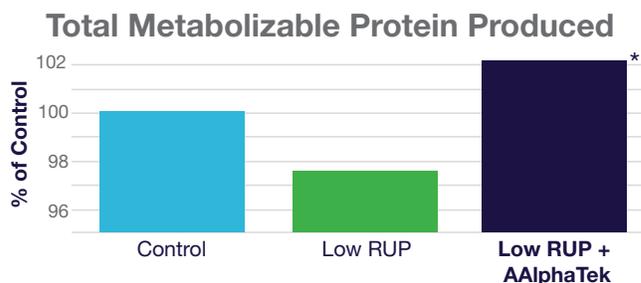
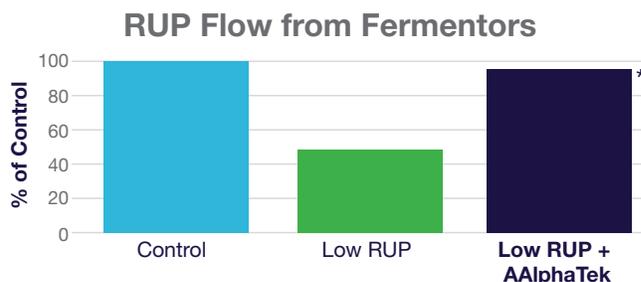
See the science behind it.

Continuous Culture Fermentation Trial

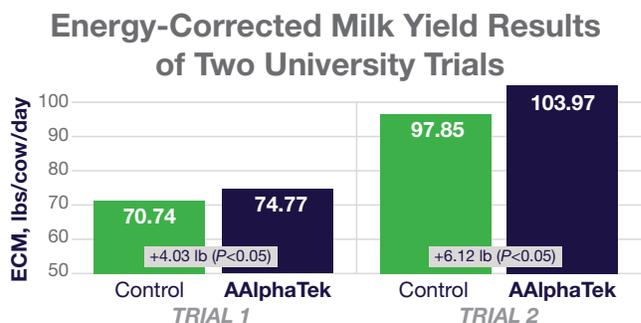
- AAAlphaTek raised RUP to similar levels as control and increased total MP on diets that started out with lower RUP.

Two University Trials

- AAAlphaTek increased milk yield 4-6% and milk protein yield, and decreased milk urea nitrogen (MUN).



*No statistical difference between the Control and Low RUP + AAAlphaTek Diets.



Find out how AAAlphaTek can help give dairy producers good financial news. Call 800-392-8324 or contact your local Provimi representative.





Early and late lactation feeding trials demonstrate that AAlphaTek works throughout lactation.

Early to Mid Lactation Feeding Trial

- Cows fed AAlphaTek produced more milk components and the same ECM (lbs) as cows fed blood meal.
- Milk income = \$15.96/cow/day for AAlphaTek vs. \$15.73/cow/day for blood meal*
- Cows produced more milk components with less expensive RUP feed ingredients.

Late Lactation Feeding Trial

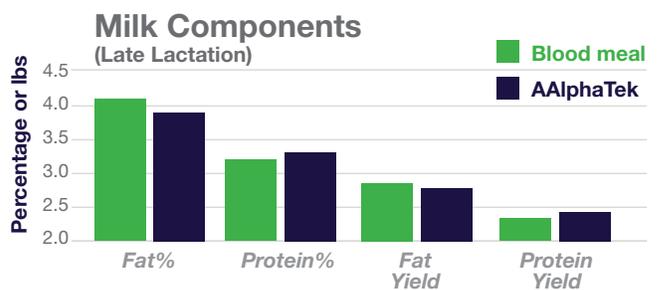
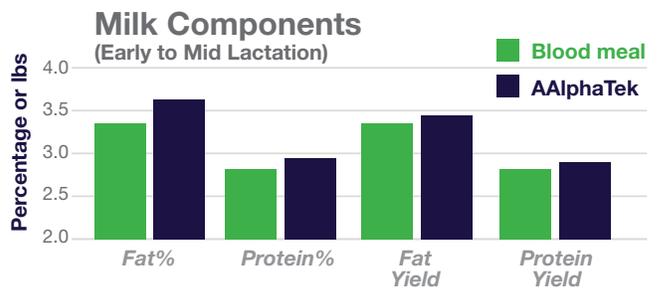
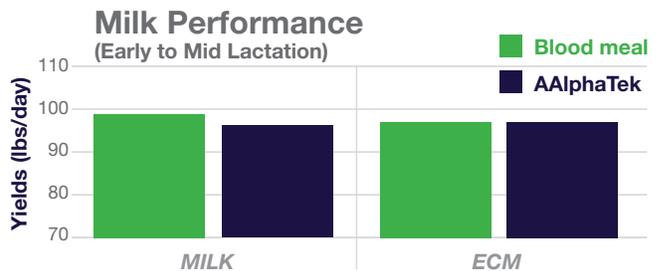
- Cows fed AAlphaTek produced as much ECM and had lower MUNs. They also, had higher feed and N efficiency.
- Response increased with increasing production in cows above 75 lbs milk.
- IOFC = \$7.79/cow/day for AAlphaTek vs. \$7.61/cow/day for blood meal + Amino Plus**

Know the economic impact of any diet change in advance.

Before you recommend AAlphaTek, model it. Understand ahead of time how you will influence your dairy producer's herd and financial performance. See the economic impact of any diet change on current and future herd performance.

AAlphaTek can be conveniently modeled within AAMPS, our ration balancing technology. AAMPS is a nutritional model routinely updated with cutting-edge science and peer-reviewed research. It turns your own observations into accurate, performance-improving predictions.

If you are using another ration balancing technology, consult your Provimi representative for more information on how to implement AAlphaTek into your clients' rations.



*For the Early to Mid lactation trial, assumptions: Feed cost \$0.095/lb DM; Milk price \$17.27/cwt based on 3.75% milkfat and 3.10% true protein (May 2019)

**For the Late lactation trial, assumptions: Feed cost \$0.100/lb DM; Milk price \$15.06/cwt based on 3.75% milkfat and 3.10% true protein (March 2018)

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