

“When rumen papillae have enough time to absorb VFAs, saliva is the only buffer needed!”

EXPERTSCORNER

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“Constant pH levels in the rumen are essential to ensure fertility and high lifelong performance of ruminants.”

1. Make it through transition period and hazard of SARA
2. Achieve consistency in fat and maintain protein
3. Optimize the performance of the cow: minimize laminitis, fewer fertility problems, lower culling rate.

“Extra time for rumen fermentation and absorption. That is what I need!”



agromed®  
**TIME 305**

Your new insurance policy for Ruminant Operations

Innovation is in our DNA

**T**hrive  
on profitable solutions for all market players

**I**ntegrity  
of animal health

**M**etabolic  
pathways that optimize digestive processes

**E**tiological activity  
for sustainable performance

Feed mill manager testimonial:

“I have another benefit of using agromed TIME 305® in feed production: it ensures smooth production of the feed and avoids the corrosion that other buffers can cause on the pipes.”



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natural  
in vitro and in vivo tested  
GMP+



Respect Mother Nature  
she will deliver all you  
need Just-in-Time!

The intelligent solution for rumen pH-stabilization.<sup>1</sup>

Rumen pH stabilization is important for:

- Milk quality: more solids, better uniformity of production
- Maximizing the productive life of the cow



# Challenge of the modern industry

To support cows to the peak of their genetic potential and maximize profit, we must take numerous parameters into account. For example, one cannot do without high levels of starch or other carbohydrates: it is a well-established paradigm to "feed cows like race horses"!

The industry develops strategies to compensate the side-effects of such feeding practices by using buffers. However, this remains just a symptomatic treatment and it is well acknowledged that prevention is always better than a cure!



# The ideal solution must work within these constraints

**H**igh density diets are required for maximum production and feeding programs including slug feeding can quickly unbalance the rumen environment.

**F**ormulated rations target a specific output - any feed additives should neither impair ration performance nor the production focus including targeted Volatile Fatty Acids.

**T**he rumen can cope with starch and sugar, IF it has the capacity to absorb or buffer the acids by normal saliva production.

**C**ows typically show a high variability in intra herd milk quality; however, ideally dairy operations are looking for uniformity of solids (Fat, Protein, Sugars, and SCC).

## Etiological answer from nature: add **TIME 305** to your feed!

Too low rumen pH impairs cellulolytic flora causing low milk fat: this happens when diets are rich in starch.<sup>2</sup>

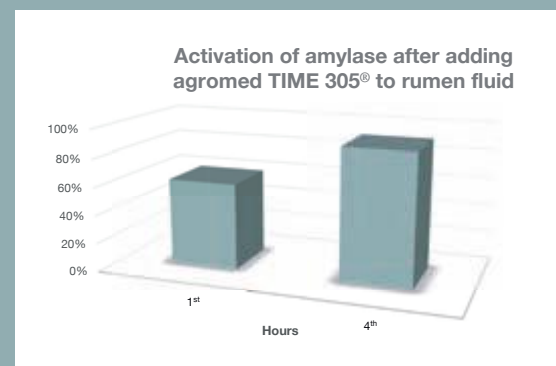
agromed TIME 305® prevents the rise in rumen alpha amylase activity that happens when high performance diets are rich in starch.

agromed TIME 305® helps to reduce pH variation and avoid acidosis (low pH).

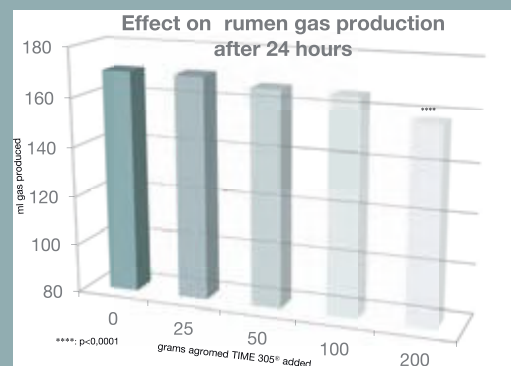
Provide more time to fully activate rumen bacteria-carbohydrate enzymes<sup>3</sup>

Get all the RIGHT fermentation from your formulas

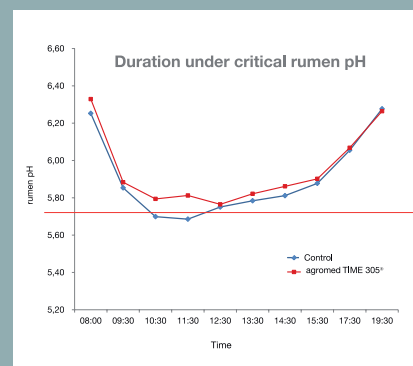
Be on the safe side by avoiding acidosis



In vitro study, Austria, 2012



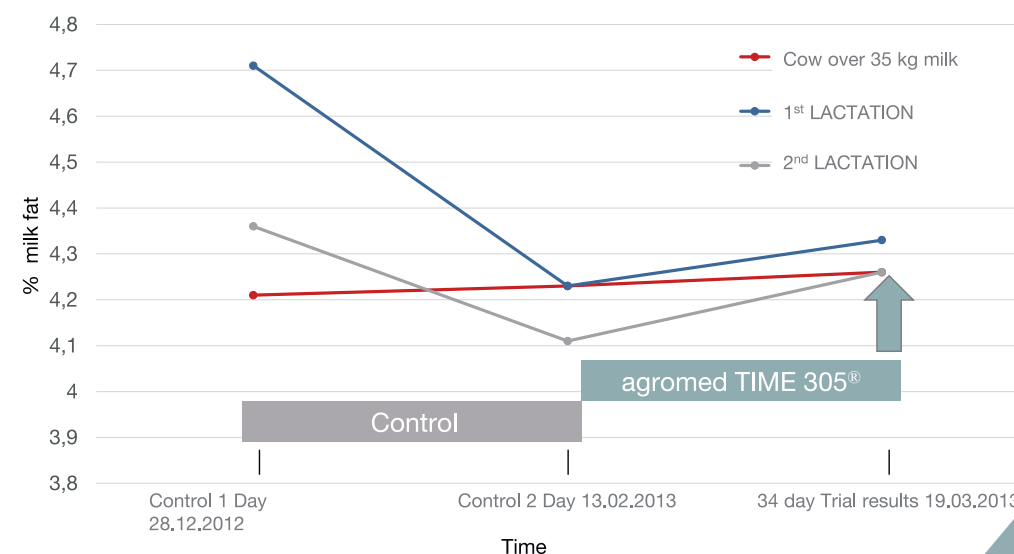
In vitro study, Finland, 2014



In vivo scientific investigation, University of Hiroshima, Japan, 2014

# TIME 305 for no compromises

Good returns from your feed requires rumen stabilization

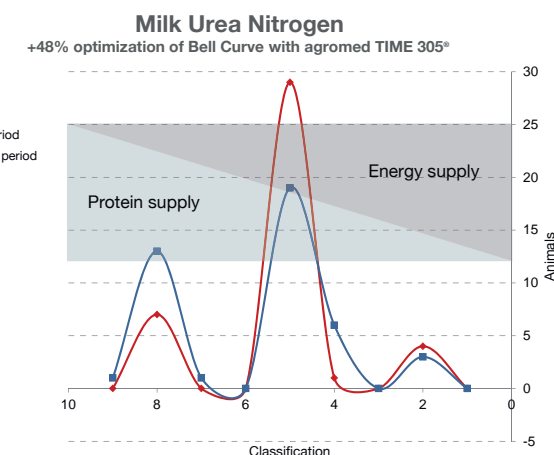


Field Trial with dairy cows, Austria 2013

Optimizing the milk fat indicator of young lactating cows.

An average dose of 50 g/cow/day preserves the cellulolytic flora which helps improve the fat content of milk.

## Rumen pH drops are not fate anymore: control it during the entire lactation period



Field Trial with dairy cows, Austria 2013

MUN\* is a key indicator for a balanced supply of energy and protein.

agromed TIME 305® positively influences the available energy and protein ratios in the rumen, leading to more uniformity.

\*Milk Urea Nitrogen