

Ruminant



RumiBio™ Range:

RumiBio™ is available as

- RumiBio™ Mill Pack 25kg
- RumiBio™ Farm Pack 25kg

Feeding Rates

	Mill Pack head/day	Farm Pack head/day
Beef Cattle	5-10g	25g
Dairy Cow	15-20g	50g
Sheep	0.5-1g	1.5-3g

Ingredients:

A blend of essential oils and yeast products

Storage:

Store in original sealed packaging in a cool dry place. Keep bag closed when not in use. Best before 12 months after date of manufacture.



volac
Animal Nutrition



RumiBio™

PHYTOGENICS

FOR MORE INFORMATION:

Please contact feedadditives@volac.com

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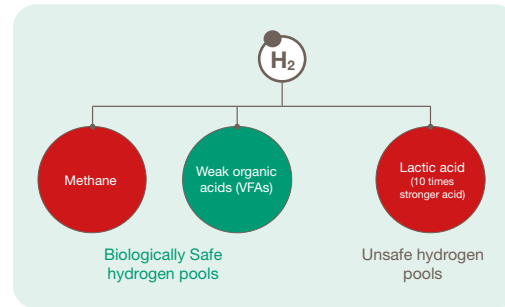
A new way to mitigate acidosis! A novel feed additive for use in ruminant nutrition containing a blend of essential oils and prebiotic yeast products to alter rumen fermentation kinetics.



Ruminant

Acidosis Risk in Ruminants

Ruminal acidosis is a metabolic disease affecting both beef and dairy cattle and representing a significant cost in lost performance. The underlying challenge of acidosis, is the safe sequestration of hydrogen that is accumulated from ruminal fermentation.



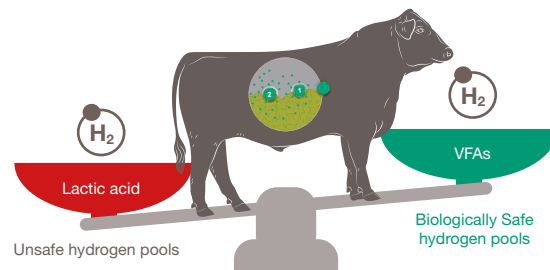
What impact does acidosis have on cattle?

An animal with mild clinical acidosis may be off their feed and may scour. More severe clinical signs of acidosis include decreased milk production and poor body condition score in dairy cows, and depressed growth rates in affected beef cattle despite adequate nutrition. Severely affected herds may experience culling or unexplained deaths.

Role of RumiBio™

RumiBio™ is a novel, encapsulated phytogetic feed additive developed specifically to alter rumen fermentation kinetics.

- Synergistic blend of three essential oils, avoiding rumen adaptation
- Contains prebiotic yeast products to support the rumen microbial population
- Matrix encapsulated for precision release in the rumen
- Supports animal performance and production

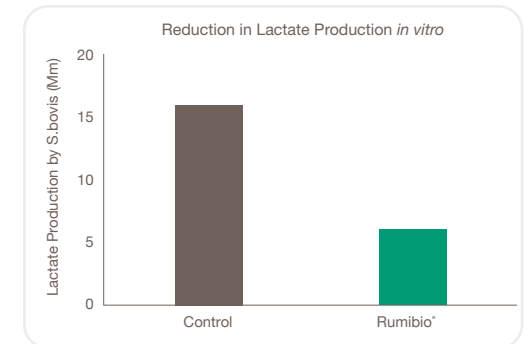


Trialed and Tested

In vitro trial work/mode of action

In vitro RumiBio has been shown to:

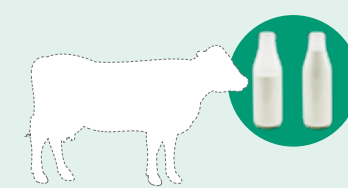
- Reduce lactate production
- Reduce methane production
- Increase propionic acid production
- No difference in total gas - meaning no reduction in fermentation
- Re-direction of hydrogen to VFA pools



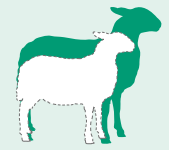
Beef: 5 - 10% improvement in Annual Daily Gain (ADG)



Dairy: Additional 1.5-2.4 kg in energy corrected milk (ECM)



Sheep: 10% improvement in Daily Live Weight Gain (DLWG)



Animal Trial Work