

Rumisaf

nutritional supplement for sheep, beef & dairy cows



Improve digestive performance

Maintaining a healthy rumen is critical to delivering milk yield and overall cow performance, and a new product from Advanced Nutrition can help.

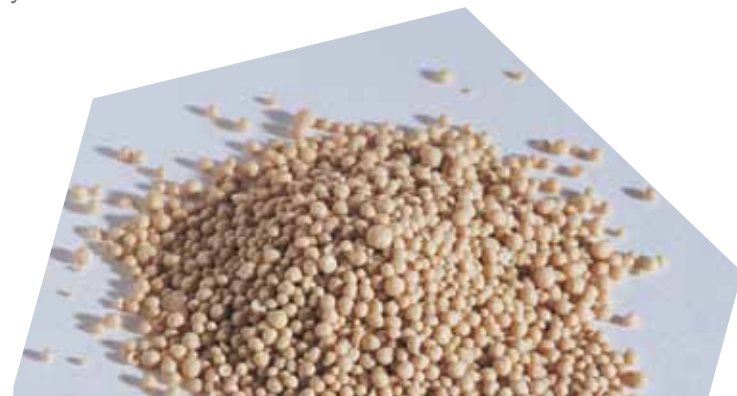
Our exclusive Rumisaf Farm Pack is a new and improved formulation that is based on the proven live yeast, Actisaf Sc 47, manufactured by Lesaffre, the world's leading yeast manufacturer.

The incorporation of this protected live yeast into rations helps prevent acidosis in ruminants, increases feed intakes and feed conversion efficiency, and reduces problems such as lameness.

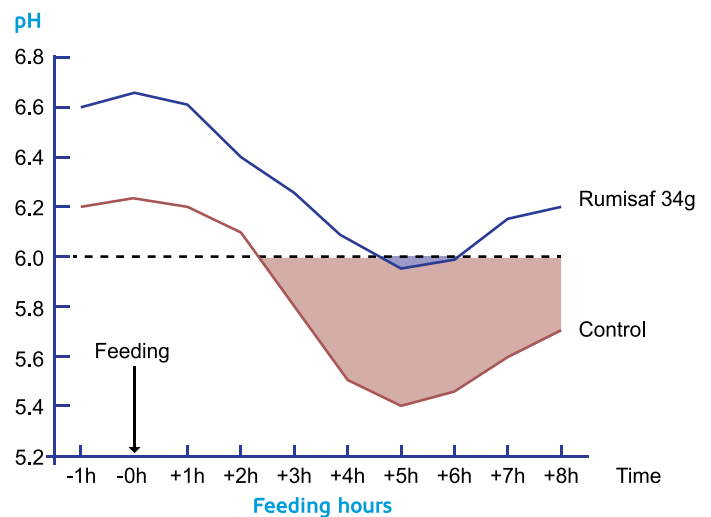
What causes acidosis and how do I recognise the signs?

There are a number of dietary factors that can lead to rumen acidosis. High-risk rations include those containing high levels of fermentable carbohydrates, poorly fermented silages, finely chopped forages, low levels of structural fibre, or rations with high concentrate use. What's more, acidosis can be as much of an issue on lush spring grazing as it is in the winter.

Typical warning signs of acidosis include dull coats, low milk fat, poor rumen fill, loose dung, dung with gas bubbles in it, undigested fibre in dung and increased water intake. Cows will also have lower intakes and yield can be reduced.



Acidosis - changes in rumen pH after feeding Rumisaf



Rumen pH drops after feeding. Rumisaf stabilises rumen pH, thereby avoiding the negative impact of low pH on the rumen microbes and associated negative health consequences.

Rumisaf Farm Pack is designed to be incorporated into on-farm rations and is fed at 50g/head/day. This will provide 75 billion CFU's per day.

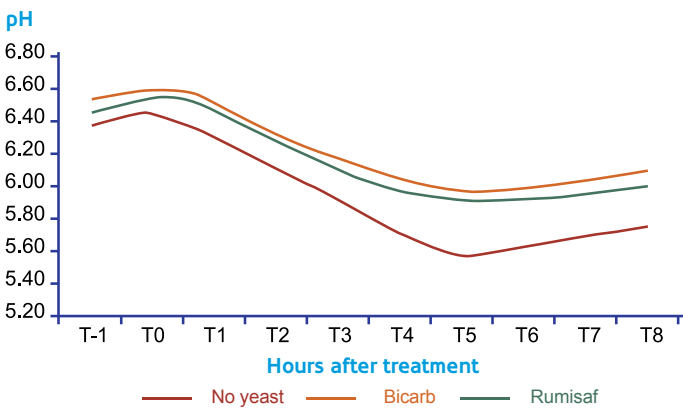
How does Rumisaf help?

Acidosis risk can be mitigated by ensuring that there is sufficient fibre in the diet and by ensuring that the diet has adequate buffering capacity to reduce rumen acidity. The inclusion of Rumisaf, containing Actisaf Sc 47 live yeast, has also been shown to deliver significant benefits to rumen function.

Rumisaf comprises of colonies of *Saccharomyces cerevisiae*, and is manufactured in a unique way that produces yeast granules that are coated in a layer of dead yeast cells to give the product incredible stability, ensuring that the maximum number of live yeast cells get to the digestive tract of the animal.

The live yeast in Rumisaf scavenges the oxygen from the rumen, discouraging the growth of lactic acid producing bacteria and helping to prevent acidosis. It also increases the efficiency of fibre digestion, promoting high dry matter intakes and increasing milk yield and fertility. What's more, Rumisaf has been shown to have significantly more buffering capacity than products such as sodium bicarbonate, not only does it raise the pH (see graph below) it also reduces undesirable acids such as Lactic while increasing desirable acids such as propionic. The new and improved formulation of Rumisaf will further enhance existing performance.

Rumisaf vs. Bicarbonate - effect on pH kinetics

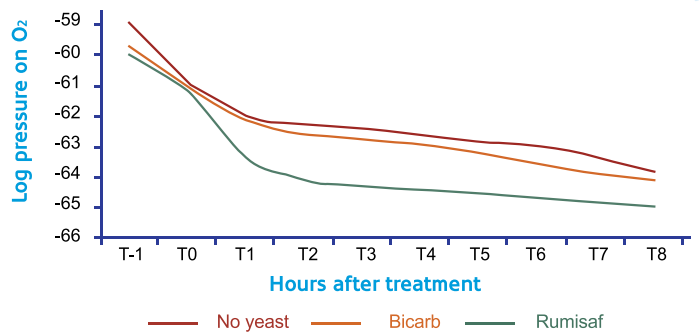


	No yeast	Bicarb	Rumisaf
pH	5.94	6.21	6.14

European registration trials show that Actisaf Sc 47, (the active ingredient in Rumisaf) helps to improve milk yields, maintain peak yield for longer, give higher and longer lactation peaks and increase milk solids. Overall, cows fed Rumisaf, have better rumen fill, improved cudging and fewer cud balls.



Rumisaf vs. Bicarbonate - effect on O₂ availability



	No yeast	Bicarb	Rumisaf
Log (fO ₂)	-62.3	-62.6	-63.7

Rumisaf - effect on milk yield

