



**Rupromin
Balance**

Provimi™

Rupromin Balance

Diets in high performance dairy cows may often lack structural fibre or contain excess readily digestible carbohydrate. Also, in situations where roughage is limited or under heat stress conditions, there is an excess in intake of quickly fermentable carbohydrates.

These unbalanced diets affect rumen function and lead to high rumen acid production, resulting in reduced rumen pH. If saliva production cannot buffer this excess acid and the rumen pH drops below 5.5, then sub-acute rumen acidosis occurs.

RUMEN ACIDOSIS

Rumen acidosis is a major health problem in modern dairy farming. It causes decreased intake, reduced digestion and production losses. Cow health suffers and there are additional costs associated with foot problems and displaced abomasums.

Sodium bicarbonate is commonly used to prevent rumen acidosis as it provides a natural buffer. However, this only works over a short period of time as it is highly soluble and very rapidly used up by the cow.

Provimi developed Rupromin Balance as a more powerful alternative to sodium bicarbonate. Experimental data shows that the formulation of Rupromin Balance works very efficiently, especially between pH 6 and pH 5 where the risk of rumen acidosis is greatest.

Rupromin Balance also maximizes feed intake and improves milk production and milk quality. It is a unique blend of ingredients that neutralize and buffer acids in the rumen to help dairy cows achieve their full potential production without the risk of rumen acidosis (Figure 1).

FEATURES

A combination of:

- Buffering salts
- Neutralising salts
- Appetite enhancer

BENEFITS

- Buffering effect - Prevents a fall in rumen pH
- Neutralising effect on rumen acids and raises rumen pH
- Effective at lower inclusion rates than other commonly used buffers
- Improves diet palatability
- Increases dry matter intake
- Prevents rumen acidosis
- Increases animal performance
- Maintains and/or improves milk quality

FEEDING INSTRUCTIONS

Rupromin Balance is suitable for including in diets with twice daily concentrates, high moist silage, TMR with readily degradable carbohydrates, processed cereal and maize/ whole crop forages.

Recommended feeding rates: 100-150 g/head/ day.

To ensure correct supplementation Rupromin Balance it should ideally be mixed with other feeding stuffs.

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Figure 1. Acid required for decrease from pH 6 to pH 5



Source: Provimi research