



**Dairy
program**

Provimi™

Vitamin and mineral range to suit all dairy units

Vitamins and minerals are crucial for almost all physiological processes in the dairy cow. Therefore, a sufficient and balanced supply of vitamins and minerals is important. Problems with fertility and health, as well as reduced

milk production, are often caused by a shortage or imbalance in dietary vitamins and minerals. Provimi has the Rupromin (Ruminant Provimi Minerals) range of minerals specifically designed to meet the requirements of dairy cows.

Our dairy range also contains a number of specialist products, such as long-acting buffering agents and various liver supporting products, to improve the performance of dairy cattle.

RUPROMIN MINERAL RANGE

The Rupromin minerals range offers the perfect solution for every situation. It consists of a complete range of vitamins and minerals to ensure that there is a package that offers the optimal mix for your animals.

Rupromin minerals consist of unique **microgranulates**. The specific choice of ingredients and the unique production process guarantee a uniform and user-friendly product. Unlike minerals in powder form, Rupromin microgranulates are dust free and guarantee a good uptake and mixing in the feed mixer.

We divide the Provimi dairy range into the following four topics:

■ Improved immunity

To support the immune system of your cows and prevent health problems, Rupromin products contain a precise combination of antioxidants. These antioxidants eliminate oxidants. Oxidants reduce the immunity of your cows. Apart from the well-known antioxidant vitamin E, Rupromin also contains **Proviox** and rumen bypass selenium. Proviox improves the action of vitamin E. Rumen bypass selenium is better protected against degradation in the rumen, which enhances its antioxidant effect.

■ Transition management:

Combined energy and liver support

Early lactation dairy rations are typically deficient in energy content. The energy density is too low to meet the high requirement of the cow in early lactation. The cow experiences a negative energy balance and this is compensated for by mobilising fat from body reserves. Supporting the liver with B vitamins is crucial in this stage of lactation. A shortage of these vitamins reduces liver function and can lead to an accumulation of fat in the liver. Provimi has developed two products to support the liver: **LiFT** and **HyproPower**. LiFT contains rumen bypass B

vitamins that helps to reduce the risk of fatty liver. HyproPower is a combination of protected B vitamins and a rumen bypass fat, **Hyprofat**.

■ Healthy rumen, healthy hoofs!

Lameness and hoof problems occur regularly in dairy cattle. Proper buffering using **Rupromin Balance** and adequate addition of vitamins and minerals through Rupromin minerals are essential to tackle these problems. During heat stress, hoof problems may be aggravated, because the forage intake decreases while the concentrate intake is still high. The risk of rumen acidosis is therefore especially high under these circumstances. To reduce the risk of hoof problems and reduced milk production, diets with too much highly fermentable carbohydrates should be avoided, such as concentrates with a high amount of cereals. Rupromin Balance is then essential to buffer the ration.

■ Maximum rumen fermentation for optimal production

Rumen degradable protein is largely recycled in the rumen. Not only does this cause unnecessary losses of ammonia in milk and urine, but it also results in unnecessary energy losses. A wellknown way to optimise rumen efficiency is to synchronise protein and energy in the diet, using the Provimi ration calculation program PFOS. Another solution is to reduce the protozoa in the rumen.

Ruprolac F has been developed to improve the efficiency of the rumen. This product has a built-in buffering action that provides the optimal environment in the rumen which in turn increases milk production and decreases the urea content.

Rupromin bucket range

The Rupromin range of vitamins and minerals are available in buckets for use in calf rearing systems as well as beef, dairy and dry cow systems such as during the grazing season. The antioxidant complex and the added trace minerals contribute to improved immunity and fertility. The high palatability ensures adequate uptake from the buckets.

Provimi
dairy
program

CONTACT

Provimi B.V.
Postbus 5063, 3008 AB
Rotterdam,
The Netherlands
T +31 (0)10 4239500
F +31 (0)10 4845624
E info@provimi.nl
www.provimi.nl