

Bergalac

Berg+Schmidt
Functional Lipids



The rumen-stable supplement with energy from fat and carbohydrates

- *Rumen-stable combination of carbohydrates and fat*
- *Pleasant taste increases feed uptake*
- *Highly digestible*
- *Helps cows overcome their energy shortage in early lactation*
- *Can release components needed for milk protein synthesis*
- *Higher performance and greater fertility over a longer period*

Performance is closely connected with metabolism

In the early phase of lactation, high-yielding cows have a gap in their energy supply because they need more energy for milk production than they can take in with their feed. To compensate for this the cows have to mobilize energy from the reserves of their own bodies; this can result in metabolic disorders.



Bergalac



Help for the cows from rumen-stable fractionated fats

An additional supply of energy through the feed from the rumen-stable product Bergalac means that the cows have less need to draw on the reserves of their own bodies. The increased energy requirement for milk production may be 500 g or more per cow and day, depending on the individual milk yield.

Rumen-stable carbohydrates

Lactose is the third major component of cow's milk alongside fat and protein. The synthesis of lactose requires glucose. If the supply of glucose from carbohydrates in the feed is insufficient, the glycogenic amino acids are used to replenish it. These amino acids are then no longer available for other purposes. Carbohydrates in a rumen-stable form are available directly for the synthesis of lactose via glucose, so less amino acids are then needed for glucose formation and can be used to form protein.



Bergalac combines rumen-stable fat with rumen-protected carbohydrates

Bergalac is a rumen-stable and highly digestible fat/carbohydrate complex in powder form. The basis for its production is a palm oil fraction known to be effective as a rumen-stable fat. The carbohydrates are encapsulated in this fat. Because of this combination the carbohydrates do not become available to the cow until they reach the gut.

Bergalac is rumen-stable and highly digestible

Bergalac is practically 100 % rumen-stable. At the same time the combination of carbohydrates and fractionated fat results in 82 % digestibility of the fat components in the product. The digestibility of the feed fat as a whole increases by 12 percent, which means much fuller utilization of the energy in the feed.

Typical Fat Composition of Bergalac

Myristic acid and shorter fatty acids	Approx.	1.5 %
Palmitic acid	Min.	75 %
Palmitic acid and stearic acid	Min.	83 %
Oleic acid	Approx.	10 %
Linoleic acid	Approx.	2 %

Bergalac promotes fertility and increases the milk yield and lifetime productivity

The good digestibility has a positive effect on the performance of dairy cows. Moreover, Bergalac increases the feed uptake because the cows enjoy the taste of the powdered product. In the long term this also enhances their fertility and lifetime productivity.



Berg+Schmidt (GmbH & Co.) KG

An der Alster 81, D-20099 Hamburg, Tel.: +49 (0) 40 / 284 039-0, Fax: +49 (0) 40 / 284 039-33
info@berg-schmidt.de, www.berg-schmidt.de

