



Magnofeed

Magnesium oxide for feed



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Magnofeed Introduction

Magnofeed is an alkaline mineral compound used in the feed ingredients for acidosis prevention and magnesium supply. Due to its high-quality ingredients (with the minimum amount of heavy metals), proper thermal processing, and micronized particle size, this product is highly effective in neutralizing the ruminal acids and can partly replace the sodium bicarbonate in the feed. In addition to reducing the feed costs, Magnofeed can be used to prevent acidosis and ruminal pH reduction and improve milk fat.

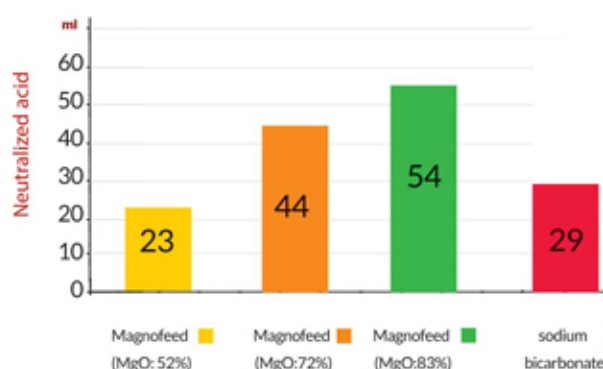


Why Magnofeed?

according to invivo and invitro studies

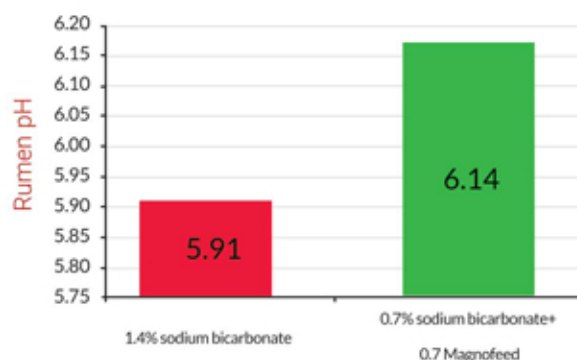
- A significant increase (from 2.75% to 2.95%) in the dairy cows milk fat by replacing 50% of the sodium bicarbonate in the feed with Magnofeed, 2017
- Significant increase in the ruminal pH (from 5.91 to 6.14) and fecal pH from 6.24 to 6.67 (in vivo study, 2017)
- Significant increase in the feed efficiency (from 1.40 to 1.48) by replacing 50% of the sodium bicarbonate in the feed with Magnofeed, (in vivo study, 2017)
- A significant increase in the milk production(4% FCM) by replacing 50% of the feed sodium bicarbonate with Magnofeed. (Farm test results of dairy farms, 2016)
- Higher ability in hydrochloric acid neutralization compared with other comertial magnesium oxide products (in vivo study, 2019)

Hydrochloric acid (0.2 N) neutralization capacity:
a comparison between sodium bicarbonate and Magnofeed

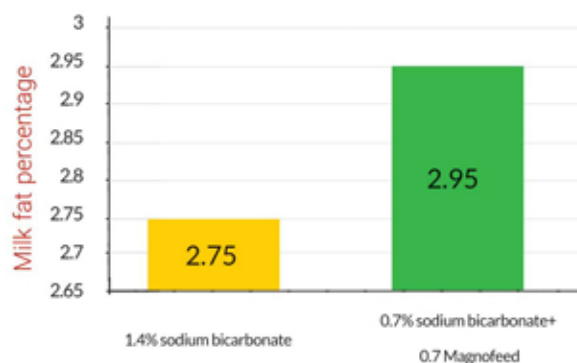


invivo study Results (by vivan company)

Effects of replacing feed sodium bicarbonate with Magnofeed on dairy cows ruminal pH



Effects of replacing feed sodium bicarbonate with Magnofeed on dairy cows mik fat



Dosage

Dairy cattle: 8-4 kg per ton of concentrate

Beef cattle: 10-5 kg per ton of concentrate

