

Lactipro®

Aids in the transition from roughage to grain

Lactipro® contains a live culture of a patented strain of *Megasphaera elsdenii*, the prominent lactic-acid utilizing bacteria found in the rumen of cows fed concentrate based diets.

Feeding high concentrate (grain) diets quickly increases lactic acid production in the rumen (causing acidosis). This can lead to:

- Reduced feed intake,
- Poor milk production (early lactation depression),
- Loose and pale manure,
- Damage to the rumen wall,
- **Acidosis can cause death in cows.**

Sub-clinical acidosis reduces cow performance but often goes un-noticed. Dairy cows transitioning to high concentrate lactation diets are at particular risk of acidosis.

Lactipro® is registered to "aid in the transition from roughage to grain rations by metabolizing lactic acid produced in the gastrointestinal tract where management practices could be expected to result in rumen lactic acidosis" (APVMA No: 64151).

Dairy Cows

By controlling lactic acidosis in your dairy cows, the following benefits may be observed:

- Improved feed intake,
- Increased milk production,
- Better rumen health,
- Decreased subclinical ketosis,
- Decreased culls due to metabolic disorders,
- Increased BCS - better reproduction rates,
- Faster transitions to higher concentrates.

Lactipro® assists in the transition via a single oral dose at the start of lactation.



Dairy Calves

Lactipro® is not currently registered for use in dairy calves, however benefits have been observed in pre-weaned calves (Muya et al; 2015).

The live bacteria in Lactipro® metabolize lactic acid resulting in an increase level of the VFA (volatile fatty acid) butyrate. Of all the VFAs, butyrate has the greatest effects on the ruminal epithelium and papillae development. Rapid rumen development before weaning is critical as it influences post weaning intakes, growth rates and health.

Please consult your veterinarian for advice regarding use of the product in dairy calves.



How to use

Cows:

125ml oral drench with Lactipro® at the beginning of lactation (1-3 days post calving).

BEC Biotech is the supplier of Lactipro®, the world's first commercially available, FDA reviewed and APVMA registered *Megasphaera elsdenii* lactic acid-utilizing bacteria.

All natural

Research proven

Performance tested

References:

Muya M C, Nherera F V, Miller K A, Aperce C C, Moshidi P M and Erasmus L J. Effect of *Megasphaera elsdenii* NCIMB 41125 dosing on rumen development, volatile fatty acid productions and blood B-hydroxybutyrate in neonatal dairy calves. Journal of Animal Physiology and Animal Nutrition, 2015.



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