

Product Information



Amaferm™

The Fibre Digestion Enhancer

What is Amaferm™?

Amaferm™ is one of the most documented additives available with over 100 peer reviewed papers. It is the only feed additive approved by the EFSA as a fibre digestibility enhancer.

Benefits include:

- Increased milk yield (+7% in early lactation)
- Increased feed efficiency (+5.4%)
- Better weight recovers post calving
- Better energy balance in early lactation
- Stable rumen pH due to increased lactate uptake

How does Amaferm™ work?

- Amaferm™ increases rumen microbial activity, which improves energy and protein flow to the cow.
- In particular rumen fungi are stimulated - directly boosting fibre digestion.
- As shown below - more fungal activity (Figure 2) will extract more nourishment from fibre.

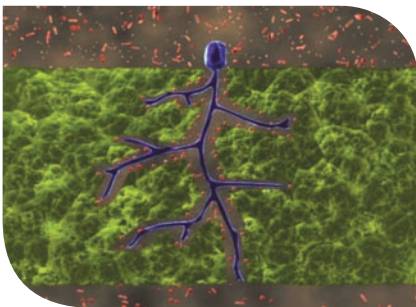


Figure 1:
Before Amaferm™

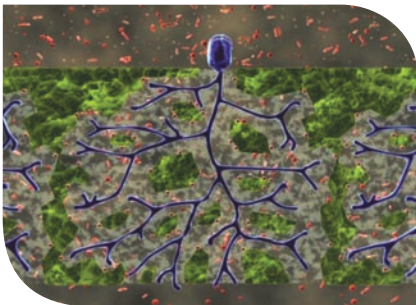


Figure 2:
Rumen fungi with Amaferm™

Amaferm™ and income over feed cost (IOFC)

Standard - cow without Amaferm™	
Milk Litres	28
Milk income	£7.28
Feed cost	£4.02
IOFC	£3.26

Cow plus Amaferm™ Farm Pack	
Milk Litres	29.5
Milk income	£7.67
Feed cost	£4.11
IOFC	£3.56

How to quantify the benefit?	
Extra cost	9.5p
Extra milk value	39p

Assumption: Milk price = 26ppl

IOFC before Amaferm™	£3.26
IOFC after Amaferm™	£3.56
Improvement IOFC	29.5p

Income over feed cost is crucial in all financial climates!



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Amaferm™ and visible fibre digestion

Due to improved fibre digestion, manure consistency is visibly improved along with rumination.

It is possible to assess this using the Cargill Digestion Analyser. The Cargill Digestion Analyser has three sieves with large to small holes. More manure on the lower sieve shows more complete digestion.

Figures 3 and 4 below show how the manure consistency changes on one farm during eight weeks on Amaferm™. There was a significant shift to the smaller sieve pointing to improved digestion. This was accompanied by an improvement of one litre average over the whole herd (1,300 cows).

Each circumstance is different - to discuss specific circumstances and find out if Amaferm™ is suitable contact your Cargill representative.

When could Amaferm™ be beneficial on-farm?

- Undigested fibre in manure
- **Grass silage:** average/below average energy content (<11 ME)
- **Grass silage:** average/above average fibre content (>45% NDF)
- **Maize silage:** average/above average maturity (starch content >27%)
- **Changing between forages** - Amaferm™ stabilises digestion during forage changes to maintain yields
- **Below expected milk yields** - Amaferm™ works very well when there is an energy gap

Figure 3: Before Amaferm™



Figure 4: With Amaferm™



Early Lactation

Mid Lactation

Late Lactation

Provimi® is brand of Cargill; a family-owned company with more than 150 years' experience in developing food and feed ingredients. Cargill develops results-oriented nutritional solutions and feeding programmes, which in turn help producers grow their business. Premixes and concentrates, speciality feeds and additives are produced under the Provimi® brand. Amaferm™ is a registered trademark of BioZyme Incorporated.

