



# Aromabiotic<sup>®</sup> Cattle

Sector Beef cattle / MCFA, the original





# Aromabiotic® Cattle

*Beef cattle has to produce high quality meat at the lowest possible cost. This creates pressure on the animal and requires effort to maintain the same standard. Instead of relying on medicines Nuscience offers alternative solutions based on natural ingredients.*

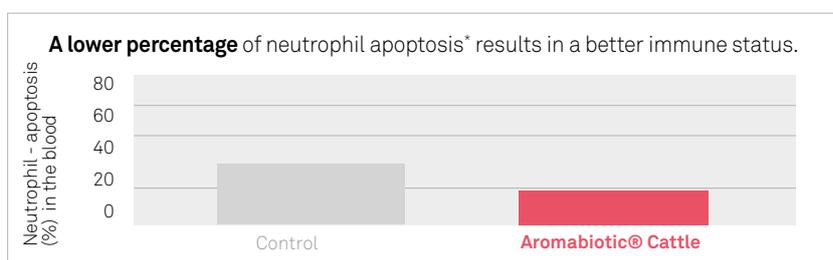
Optimizing production efficiency of beef cattle can be complicated because many production variables influence the herd efficiency. Two important factors contributing to cattle efficiency are feed conversion and medication cost. Feed is the largest variable expense in beef production. By converting feed more efficiently into meat the production cost is decreased significantly. The latter is also influenced to a large extent by the herd's health status. A healthy animal not only requires little medication and labor but also produces more efficiently. Supplementation with Aromabiotic® Cattle, being a carefully balanced mixture of Medium Chain Fatty Acids (MCFA), supports beef cattle by improving the rumen fermentation and immune status.

## Supporting the rumen

*In vitro* and *in vivo* tests with fistulated cows show that Aromabiotic® Cattle influence the rumen microflora whereby protozoa and methanogens seem to be most susceptible favouring the beneficial bacterial population. As a result the rumen fermentation is influenced in a positive way. (Source: Ghent University, 2005 & ILVO, Melle, 2006)

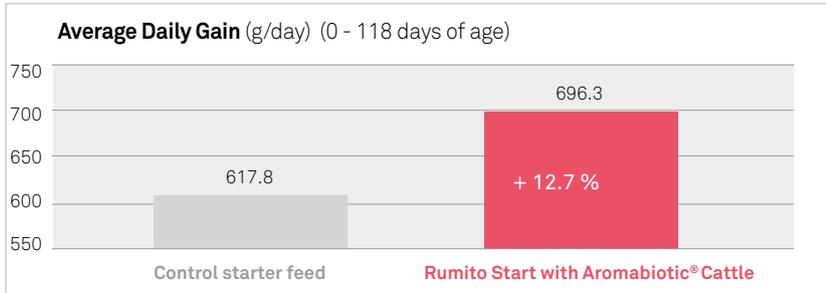
## Improving immunity

Neutrophils are short living white blood cells, forming an essential part of the primary immune response. Supplementation of Aromabiotic® Cattle increases the viability (= 'strength') of these neutrophils. A lower level of apoptosis (=programmed cell death) results in a higher overall viability of the neutrophils which in its turn means an improved immune status.



## Improved calf performances and health

### Improved health status



Next to an improved average daily gain the Belgian White Blue calves started ruminating earlier. Besides a good intake of Rumito Start also the intake of hay was improved.

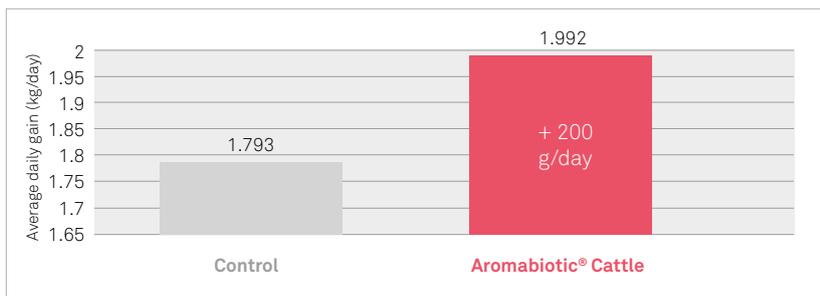
### Improved health status

	Animals treated (total animals)	Treatment needed against
Control starter feed	6 (13) = 46%	Diarrhea (6) (Cryptosporidiosis and/or Coccidiosis) Respiratory diseases (2)
Rumito Start with Aromabiotic® Cattle	1 (9) = 11%	Only respiratory diseases (1)

The trial farm had a history of Cryptosporidiosis problems. Aromabiotic® Cattle resulted in less and shorter treatments.

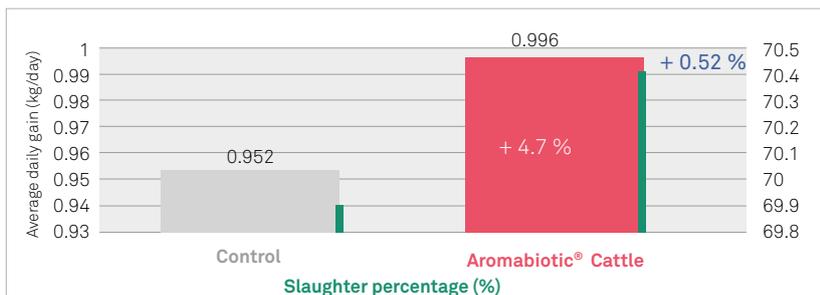
## Improved performances growing & finishing period

### Improved growth performances in Limousin bulls in the growing period



Aromabiotic® Cattle results in improved growth performances of different breeds of beef cattle, both in the growing period and the finishing period. Together with an improved slaughter yield, a better economic result is obtained.

### Improved performances Belgian White Blue bulls in the finishing period





# Specially developed for cattle

## > Dosage

Although the dose can be farm specific, the following inclusion rate is advised:

calves: 6 - 8 kg/Mton in starter feed

growing and finishing period: 5 - 6 g/100 kg BW

## > Storage

Store cool and dry

## Additional features

- > Better general health status.
- > Reduced use of antibiotics/lower veterinary costs.
- > Lower risk on rumen acidosis due to a higher ruminal pH.
- > Lower methane emission.
- > Improved TMR conservation.

Claims associated with products may be different based on government requirements. Certain statements may also not be applicable in all regions.

### More information

Go to [www.agrifirm.com](http://www.agrifirm.com), call to T +32 (0)9 280 29 00 or contact your advisor.