

## Accepted Manuscript

Title: Effect of type (barley vs. maize) and processing (grinding vs. dry rolling) of cereal on ruminal fermentation and microbiota of beef calves during the early fattening period

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1 **Highlights**

- 2 - Acidosis is the most important nutritional disorder in intensively reared cattle  
3 - Type of cereal in the concentrate and its processing can be key factors in acidosis  
4 - In our experiment rumen fermentation and pH were not affected by cereal type  
5 - Rumen fermentation was more buffered when dry-rolled cereals (*vs* ground) were fed  
6 - Cereal type and its processing had only a minor effect on rumen microbiota  
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