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Presence and species identity of rumen flukes in cattle and sheep in the Netherlands

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Highlights

- Rumen flukes are common in cattle within known liver fluke regions in the Netherlands.
- Rumen flukes from cattle and sheep were identified as *Calicophoron daubneyi*.
- Two cattle rumen flukes were identified as *Paramphistomum leydeni*.

Abstract

The purpose of the study was to gain knowledge about the prevalence and identity of rumen flukes (RF) in cattle and sheep in the Netherlands. Routine faecal examinations of diagnostic submissions between May 2009 and September 2014 showed a mean annual herd or flock RF prevalence of 15.8% for cattle and 8.0% for sheep. Prevalence in cattle was higher after 2012 than before, which may reflect a change in detection method as well as an increase in true prevalence. During November and December 2014, an abattoir survey was conducted to allow for scoring of rumen fluke burden and to obtain specimens for molecular species characterization. Over 8 visits to 5

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