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Characterisation of *Mycoplasma bovis* associated disease in Danish dairy herds 2010-2014

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**Background**
- Increased focus on *Mycoplasma bovis* in the Danish cattle sector due to many atypical symptoms since 2011
- Lack of knowledge on the clinical presentation and outbreak duration from the farmers’ point of view

**Study objectives**
To characterise and estimate the duration of clinical outbreaks of *Mycoplasma bovis* related disease in Danish dairy herds

**Materials & Methods**
- 504 dairy herds identified to contact
- Online questionnaire + telephone interviews
- Responses from 324 farmers
- 123 herds reported having experienced clinical disease related to *Mycoplasma bovis*
- See poster number 294 for more info

**Conclusions**
- 38% of the test-positive herds that we reached reported having experienced a clinical disease (bias?)
- Most outbreaks started in late winter and early spring
- Rarely long outbreaks, but frequently severe disease
- When clinical signs were only reported in young stock, the antibody level in bulk tank milk remained low

**Results**

**Disease characteristics**
- Mastitis in 33% of outbreaks
- Otitis media in young stock in 28%
- Arthritis in cows in 21%
- Arthritis in young stock in 37%
- Pneumonia in cows in 60%
- Pneumonia in young stock in 43%
- Other clinical signs: reduced milk yield, fever, dead cows) in 72% of outbreaks

**Bulk tank milk testing**

**Outbreak duration**

Fig. 1 Farmers estimated duration of disease outbreaks attributed to *Mycoplasma bovis* (n=123)

**Significant difference between:**
- “Calves” and “All”
- “No disease” and “All”
- “Cows” and “Calves”
- “No disease” and “Cows”

Fig. 2 Bulk tank milk (BTM) antibody levels (ODC%) in three categories of farmer reported primary clinical signs in *Mycoplasma bovis* outbreak or no reported outbreak

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