



MSc. Defence

**Evaluating calf health recording and incidence of respiratory disease and diarrhea on Ontario dairy farms using producer recorded data**

Emma Hyland

Date: December 20th 2021 at 9:00am

The MSc Defence for Emma Hyland has been scheduled for December 20th, 2021 at 9:00am. The defence will be held online via Teams: [https://teams.microsoft.com/l/meetup-join/19%3ameeting\\_ZWM2MmRlZjMtZTdmZC00OWU4LTgwMzItNjMxYTMyOGJINmNi%40thread.v2/0?context=%7b%22id%22%3a%22be62a12b-2cad-49a1-a5fa-85f4f3156a7d%22%2c%22oid%22%3a%22bd28915-dda5-478f-8ecb-a3682dcf0c3a%22%7d](https://teams.microsoft.com/l/meetup-join/19%3ameeting_ZWM2MmRlZjMtZTdmZC00OWU4LTgwMzItNjMxYTMyOGJINmNi%40thread.v2/0?context=%7b%22id%22%3a%22be62a12b-2cad-49a1-a5fa-85f4f3156a7d%22%2c%22oid%22%3a%22bd28915-dda5-478f-8ecb-a3682dcf0c3a%22%7d)

**The exam committee will consist of:**

Examining Chair: Dr. Vern Osborne

Advisor: Dr. Christine Baes

Adv. Committee Member: Dr. David Kelton

Additional Graduate Member: Dr. Filippo Miglior

**Abstract:**

Research into the genetic aspects of calf health traits is an emerging field for the dairy industry. Calf respiratory illness and diarrhea remain the two highest causes of calf morbidity and mortality in Canada and worldwide. Previous research has shown there are long term effects to an animal as a result of calthood morbidity. The goal of the research described in this thesis was to understand the quantity and quality of calf health information available, specifically respiratory illness and diarrhea, that could be used in future genetic research. The results indicate that there are low levels of accessible calf health information in comparison to cow health information, and inconsistencies in how information was recorded between farms. This work substantiates previous concerns that there is little standardization in how calf diseases are being recorded on farms. Modified use of current recording methods may improve the amount of calf data accessible.