



Vose Consulting

JDIP White Paper

Overview & progress

***Scenario and economic analysis of a possible
discovered link between Johne's disease in cattle
and Crohn's disease in human***

Sacramento, CA

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&

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Overview



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- ▶ **Project overview**
- ▶ **Scenario's**
- ▶ **Economic analysis**
- ▶ **Next steps**



1. Project Overview

▶ **Goal:**

- Better understand possible consequences and economic effects of possible proven link between MAP and Crohn's disease
- Provide a framework for further discussion

▶ **Approach:**

- White paper
 - Secondary research
 - Expert input



1. Project Overview

▶ Vose Consulting:

- Independent risk analysis consulting and training firm
- Extensive experience in animal health and food safety
- Project consultants: Dr. Francisco Zagmutt and Dr. Huybert Groenendaal
- Worked worldwide on Johne's disease

▶ White paper:

- Independently written/developed
- Input and feedback to approach in white paper
 - *goal of today*



1. Project overview

▶ Background:

- Starting point: “*Hypothetical discovered link between Mycobacterium Paratuberculosis, the causing agent of Johne’s disease in cattle, and Crohn’s disease in human*”
- No statement on the likelihood of this happening
- Predicting *what* could happen is focus of this paper
- Scenario analysis approach



2. Scenarios

▶ **Background:**

— Draw parallels with past cases:

- Focus on '*nature of link*' based on (1) exposure, (2) infectivity and (3) mitigation strategies
- Determines reactions of regulator, industry, consumer, etc.



2. For all scenarios

- ▶ **Draw parallels with past experiences**

- ▶ **Reactions:**
 - Industry

 - Regulatory agency

 - Consumers

- ▶ **Economic consequences**



3. Economic assessment

- ▶ **Keep it simple** (*as starting point*)

- ▶ **Losses (dairy only, not beef):**
 - To consumers

 - To producers

 - To government



4. Next steps

- ▶ **White paper:**
 - Being reviewed
 - Review:
 - Academia
 - Regulators
 - Industry
 - JDIP

- ▶ **Final white paper:**
 - Around May, 2007
 - Scientific article



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