Epidemiology of *B. suis*

**Future use of RB51**

USAHA Subcommittee on Brucellosis working group updates

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Epidemiology of *B. suis* in cattle and bison

Current serologic methods do not differentiate between *B. abortus* and *suis*.

*B. suis* and the risk of transmission among non-suidae species is poorly understood.

Methods for management formulated for the eradication of *B. abortus*.

USAHA Subcommittee on Brucellosis working group updates
Percentage of States With B. suis Cases in Non-Suidae Species

- States with Confirmed B. suis Cases: 26%
- States with No Confirmed B. suis Cases: 74%
Resolutions

USAHA Subcommittee on Brucellosis working group updates
Future use of RB51 vaccine

- To find out each state’s requirement for Brucella testing and vaccination in cattle and domestic bison.
- To find out each state’s standards for a legible tattoo.
- To find out each state’s willingness to make changes to current Brucella testing and vaccination requirements.
- To find out each state’s process to change current Brucella testing and vaccination requirements.
Future use of RB51 vaccine

BRUCELLA VACCINATION OR TEST REQUIREMENT WITHIN THE STATE

- No Requirement: 29%
- Test or Vaccination Requirement: 71%
Working Group Recommendations

Administration of Brucellosis Vaccine and Interstate Movement of Vaccinated Animals:

1. Vaccination with RB51 should be continued in areas where exposure to B. abortus infected-wildlife is a documented risk and discontinued elsewhere.

2. States without a documented exposure risk to B. abortus should rescind requirements that may be based on brucellosis vaccination status, or documentation of vaccination status of U.S. origin cattle and domestic bison.

3. Brucellosis vaccination requirements should not be kept in place solely for traceability needs.

4. USDA APHIS is encouraged to revise the definition of official brucellosis vaccinate with RB51 vaccine to remove the requirement for a legible tattoo.
Need for Continuing Efforts:

1. Research is needed to develop an effective brucellosis vaccine for both domestic and wildlife species and improved diagnostic tests for Brucella species.

2. Remove Brucella abortus from the select agent list to enable needed research.
Thank you!

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