

# BOVINE TUBERCULOSIS

Protecting the health of your cattle



Minnesota Board of Animal Health

651-201-6831

[www.bah.state.mn.us](http://www.bah.state.mn.us)

University of Minnesota Extension Service

# Bovine Tuberculosis

- Caused by bacteria.
- Slow growing organism.
- Organism survives longer in moist, cool environments.
- Wide range of species susceptible.
- Spread from animal to animal.

# Signs of TB in Cattle

- Chronic disease.
- Long incubation period.
- Causes wasting and respiratory disease.
- Most of the time, there are **NO** signs!



# First bovine TB infected herd

- Animal detected at slaughter.
- Traced to a Roseau County beef herd.
- Whole herd test completed.
- Five animals found infected.
- Herd appraised and depopulated.
- Property cleaned and disinfected.
- Operation removed from quarantine.



# Bovine TB Test

- First Test (Caudal Fold)
  - Tuberculin injected into caudal fold
  - Caudal fold checked 72 hours later for reaction
- Second Test (Comparative Cervical) – necessary if any animals from the first test show a positive response to the Caudal Fold Test



**First Test - Caudal Fold Test**



## Second Test - Comparative Cervical Test

# Bovine TB Lesions

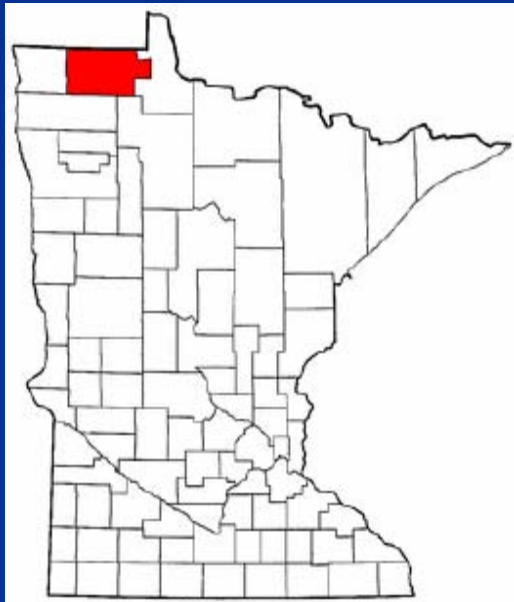


**Bovine TB infected Lymph Nodes**

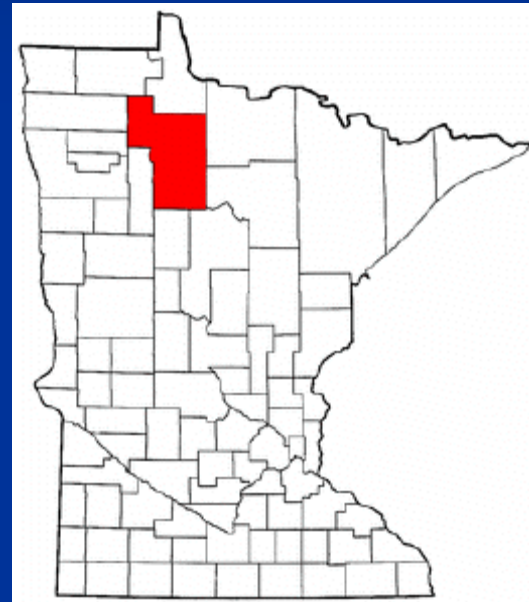


**Normal Lymph Nodes**

# Five Infected Herds in Minnesota

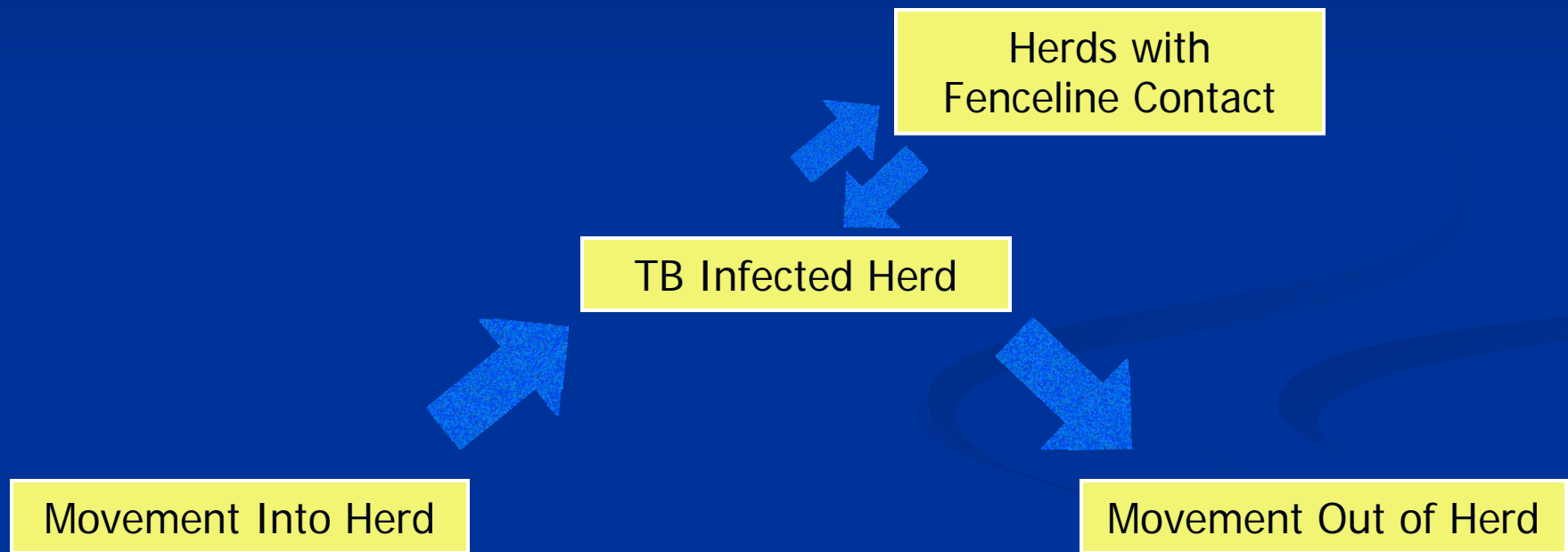


4 in Roseau County



1 in Beltrami County

# TB Investigation



# Minnesota's TB Status



- Minnesota is now a Modified Accredited Advanced state.
- Minnesota can apply for Free Status two years after the last infected herd is depopulated.

# Bovine TB Import Requirements



- Federal and state import requirements have changed.
- **Contact veterinarian BEFORE shipping to determine requirements.**

# TB-Accredited Herd

- To become a TB-Accredited herd producers must:
  - Test animals 18 months and older.
  - 9 to 15 months later, test herd again.
  - Annual or biannual testing of herd.
  - Some restrictions on purchasing cattle.
- Accredited herds can ship cattle freely with a health certificate stating animals are from an accredited herd.



# What can you do to help?



- Test cattle.
- Implement good biosecurity.
- Keep good movement records.
- Register your premises with Minnesota's National Animal ID System.
- Help educate other producers.
- **If moving cattle, verify shipping requirements!**

# For more information ...

- Your herd veterinarian
- District veterinarian
- Board of Animal Health,  
651-201-6831
- For more information on TB, investigation updates, and the agency, visit the Board's website at [www.bah.state.mn.us](http://www.bah.state.mn.us).

