Tuberculosis in the United States:

All 50 states are classified as "free" of tuberculosis within the cattle herd.

Disease is present in wildlife in parts of Hawaii and Michigan. These areas are designated as Modified Accredited Free Zones, and require additional testing and surveillance of cattle herds.

Tuberculosis is common in humans around the world and is becoming more common in the US human population. Tuberculosis can be spread from people to cattle and back to people.

We identify infection within cattle at slaughter on a yearly basis in one to several herds.

Recent Cases:

ND last case in 2019 (Maintained free status)

SD last case in 2024 (Maintained free status)

MN last case in 2009 (Lost free status until 2010)

MT last case in 2021 (Maintained free status)

CA last case in 2013 (Lost free status 2008 until 2011)

TX last case 2022 and others (Maintained free status)

Sources of tuberculosis include humans, Mexican source cattle, and in many instances a source is not identified. Many tuberculosis cases genetically trace back to Mexican origin lines of tuberculosis.

Our success at control is largely related to our aggressive tracing and testing when an infected slaughter animal is found. When localized and response is adequate, states typically do not lose status.

Brucellosis in the United States:

All 50 states are classified as "free" of brucellosis in the cattle herd.

Yellowstone bison and elk continue to be a source of brucellosis to cattle around the Park in an area known as the Designated Surveillance Area (DSA).

There are currently three herds under quarantine and testing after contracting brucellosis while in the DSA, two in Montana and one in Wyoming.

Brucellosis will continue to be a regional issue until the wildlife issues are handled.

Aggressive surveillance of cattle coming out of the DSA, and rapid tracing of positive animals has limited the spread, and loss of status of states.

Ethan Andress, DVM

ND State Veterinarian

1/15/2025

An official website of the United States government Here's how you know

Status of Current Eradication Programs

Last Modified: September 03, 2024

Current APHIS Veterinary Services (VS) disease eradication programs include cooperative State-Federal efforts directed at cattle and swine brucellosis, bovine and cervid tuberculosis, and pseudorabies in swine. The following table shows the status of States in these programs.

State	Cattle Brucellosis*	Swine Brucellosis**	Bovine TB***	Cervid TB***	Pseudorabies****
	Last updated April 17, 2024	Last updated April 17, 2024	Last updated April 17, 2024	Last updated April 17, 2024	Last updated April 17, 2024
AL	Free	Free	Free	MA	Stage 5
AK	Free	Free	Free	MA	Stage 5
AR	Free	Free	Free	MA	Stage 5

State	Cattle Brucellosis*	Swine Brucellosis**	Bovine TB***	Cervid TB***	Pseudorabies****
AZ	Free	Free	Free	MA	Stage 5
CA	Free	Free	Free	MA	Stage 5
CO	Free	Free	Free	MA	Stage 5
CT	Free	Free	Free	MA	Stage 5
DE	Free	Free	Free	MA	Stage 5
FL	Free	Free	Free	MA	Stage 5
GA	Free	Free	Free	MA	Stage 5
HI	Free	Free	Free	MA	Stage 5
IA	Free	Free	Free	MA	Stage 5
ID	Free	Free	Free	MA	Stage 5
IL	Free	Free	Free	MA	Stage 5
IN	Free	Free	Free	MA	Stage 5
KS	Free	Free	Free	MA	Stage 5
KY	Free	Free	Free	MA	Stage 5
LA	Free	Free	Free	MA	Stage 5
MA	Free	Free	Free	MA	Stage 5
MD	Free	Free	Free	MA	Stage 5

State	Cattle Brucellosis*	Swine Brucellosis**	Bovine TB***	Cervid TB***	Pseudorabies****
ME	Free	Free	Free	MA	Stage 5
MI	Free	Free	MA/Free	MA	Stage 5
MN	Free	Free	Free	MA	Stage 5
MO	Free	Free	Free	MA	Stage 5
MS	Free	Free	Free	MA	Stage 5
MT	Free	Free	Free	MA	Stage 5
NC	Free	Free	Free	MA	Stage 5
ND	Free	Free	Free	MA	Stage 5
NE	Free	Free	Free	MA	Stage 5
NH	Free	Free	Free	MA	Stage 5
NJ	Free	Free	Free	MA	Stage 5
NM	Free	Free	Free	MA	Stage 5
NV	Free	Free	Free	MA	Stage 5
NY	Free	Free	Free	MA	Stage 5
OH	Free	Free	Free	MA	Stage 5
OK	Free	Free	Free	MA	Stage 5
OR	Free	Free	Free	MA	Stage 5

State	Cattle Brucellosis*	Swine Brucellosis**	Bovine TB***	Cervid TB***	Pseudorabies****
PA	Free	Free	Free	MA	Stage 5
RI	Free	Free	Free	MA	Stage 5
PR	Free	Free	Free	MA	Stage 5
SC	Free	Free	Free	MA	Stage 5
SD	Free	Free	Free	MA	Stage 5
TN	Free	Free	Free	MA	Stage 5
TX	Free	Free	Free	MA	Stage 5
UT	Free	Free	Free	MA	Stage 5
VA	Free	Free	Free	MA	Stage 5
VI	Free	Free	Free	MA	Stage 5
VT	Free	Free	Free	MA	Stage 5
WA	Free	Free	Free	MA	Stage 5
WI	Free	Free	Free	MA	Stage 5
WV	Free	Free	Free	MA	Stage 5

* Class A (less than .25 percent herd infection rate) or Class Free

** Stage 1, 2, or Free

*** Modified Accredited (MA), Accredited Free (Free), or Modified Accredited Advance (MAA)

**** Stage 1, 2, 3, 4, or Free

***** A State that APHIS has determined conducts an active State scrapie control program consistent with Federal re

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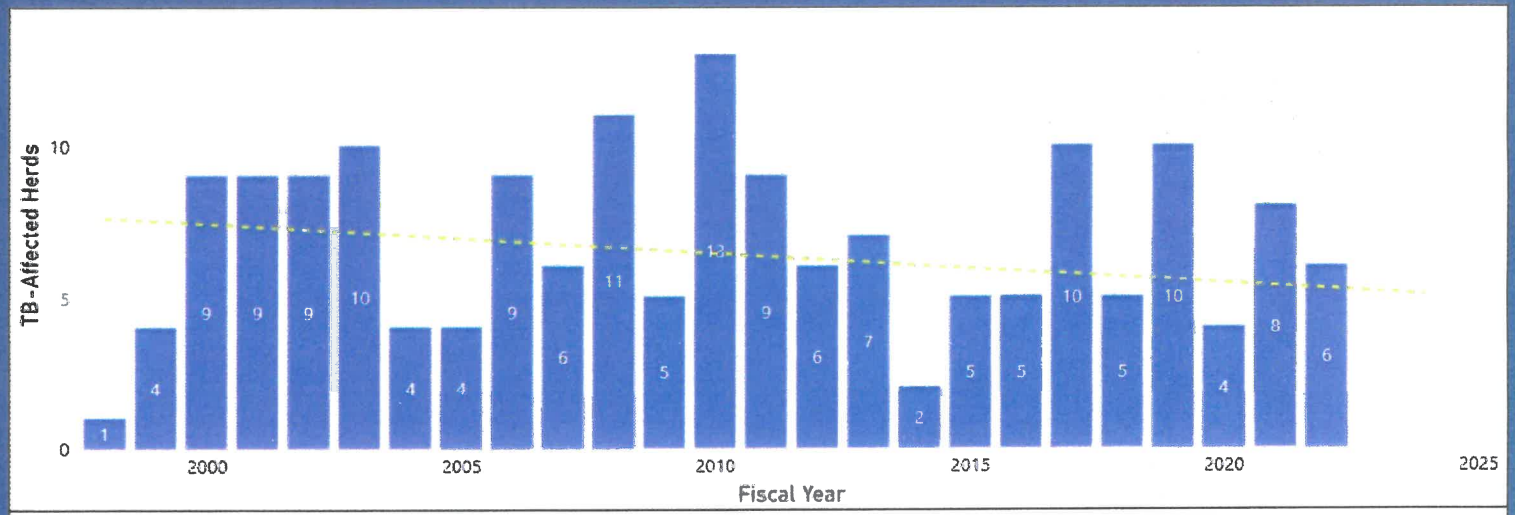
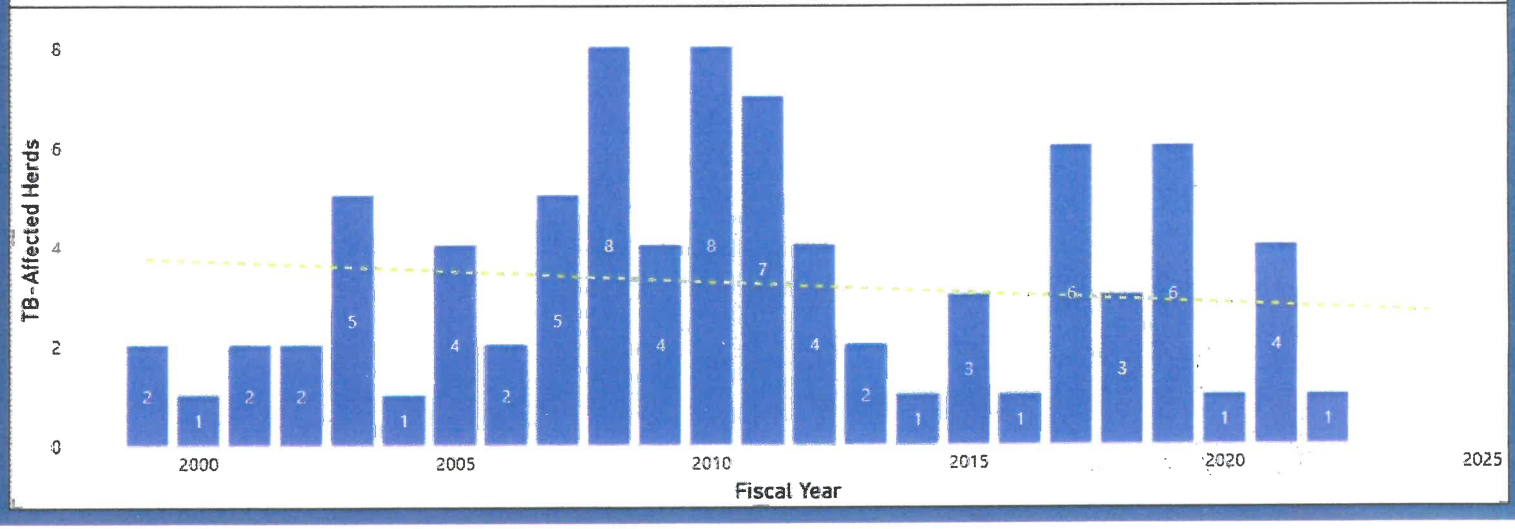
TB-Affected Cattle & Bison Herds FYs 1998 - 2024



TB-Affected Cattle & Bison Herds w/o HI & MI FYs 1998 - 2024



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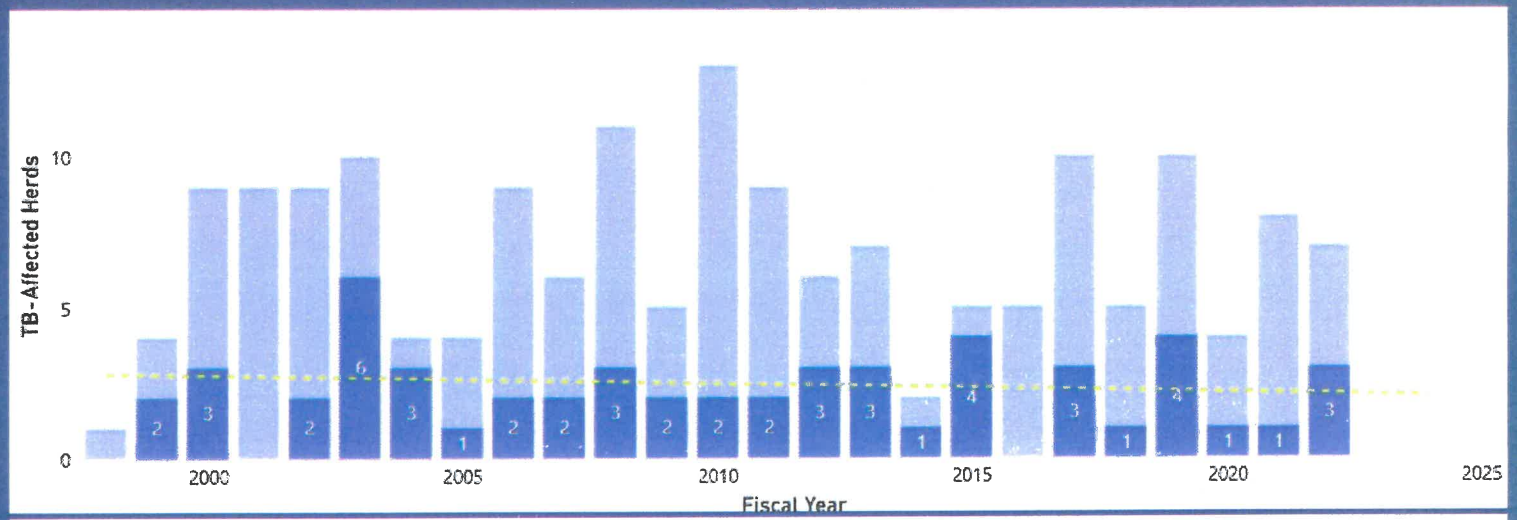
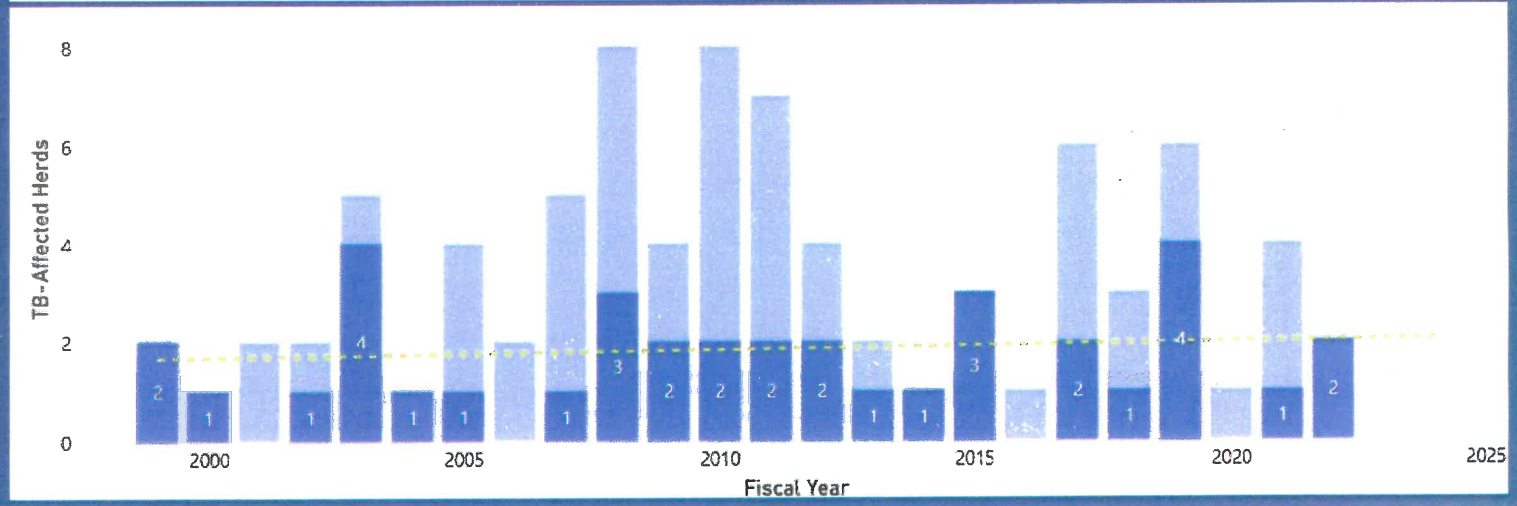
Filtered for Dairy Herds (dark blue)

TB-Affected Cattle & Bison Herds FYs 1998 - 2024



TB-Affected Cattle & Bison Herds w/o HI & MI FYs 1998 - 2024



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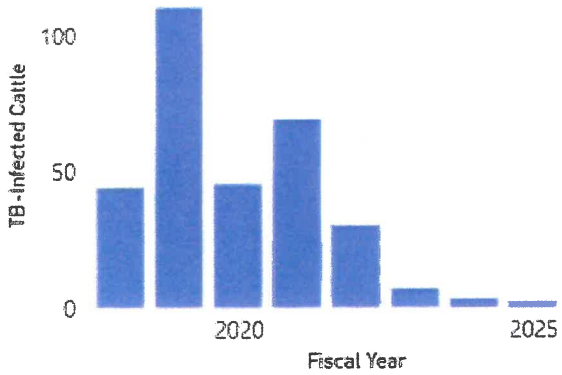
TB-Infected Cattle FY 2018 - Present

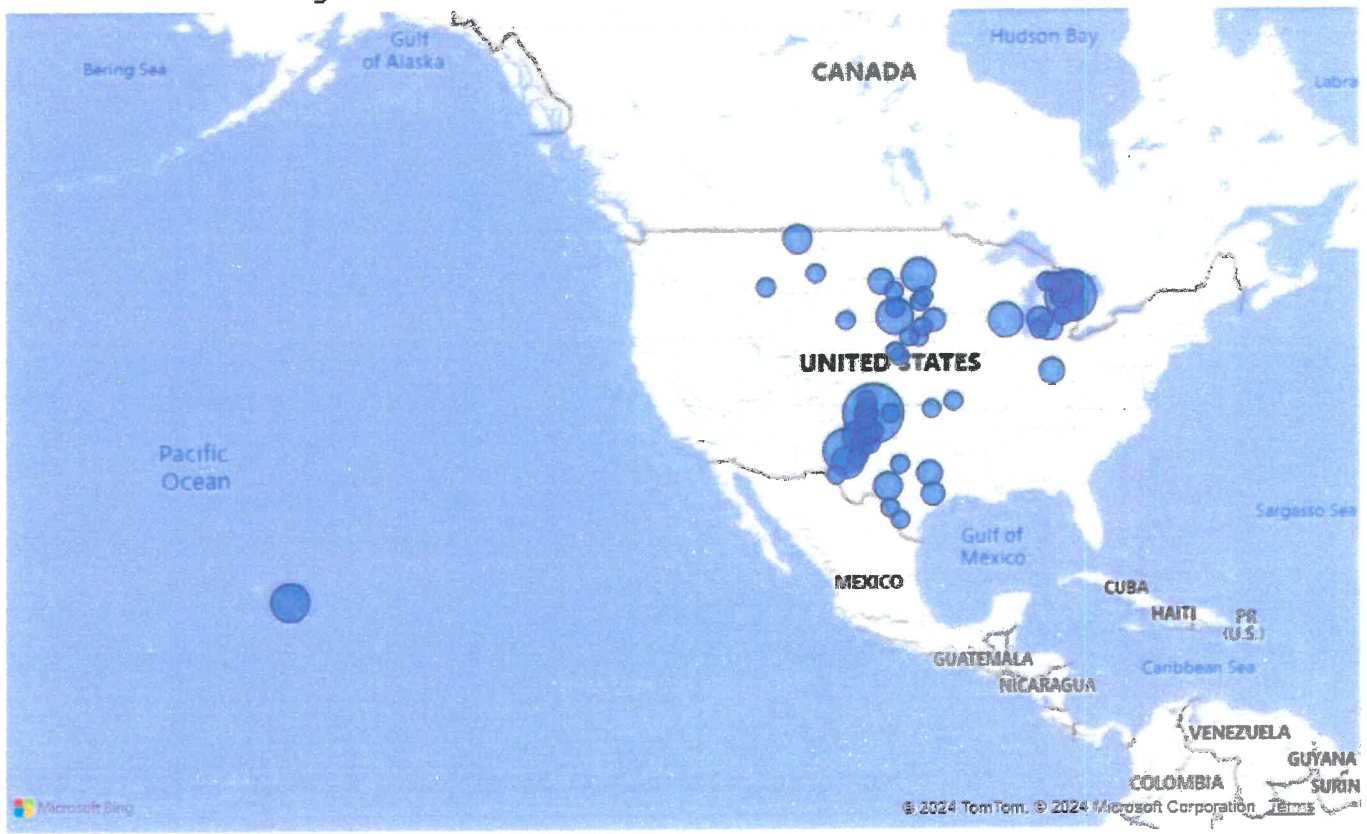
TB-Infected Cattle by Fiscal Year

2025	2
2024	3
2023	7
2022	30
2021	69
2020	45
2019	110
2018	44
Total	**310**

TB-Infected Cattle by Fiscal Year



TB-Infected Cattle Origin Counties



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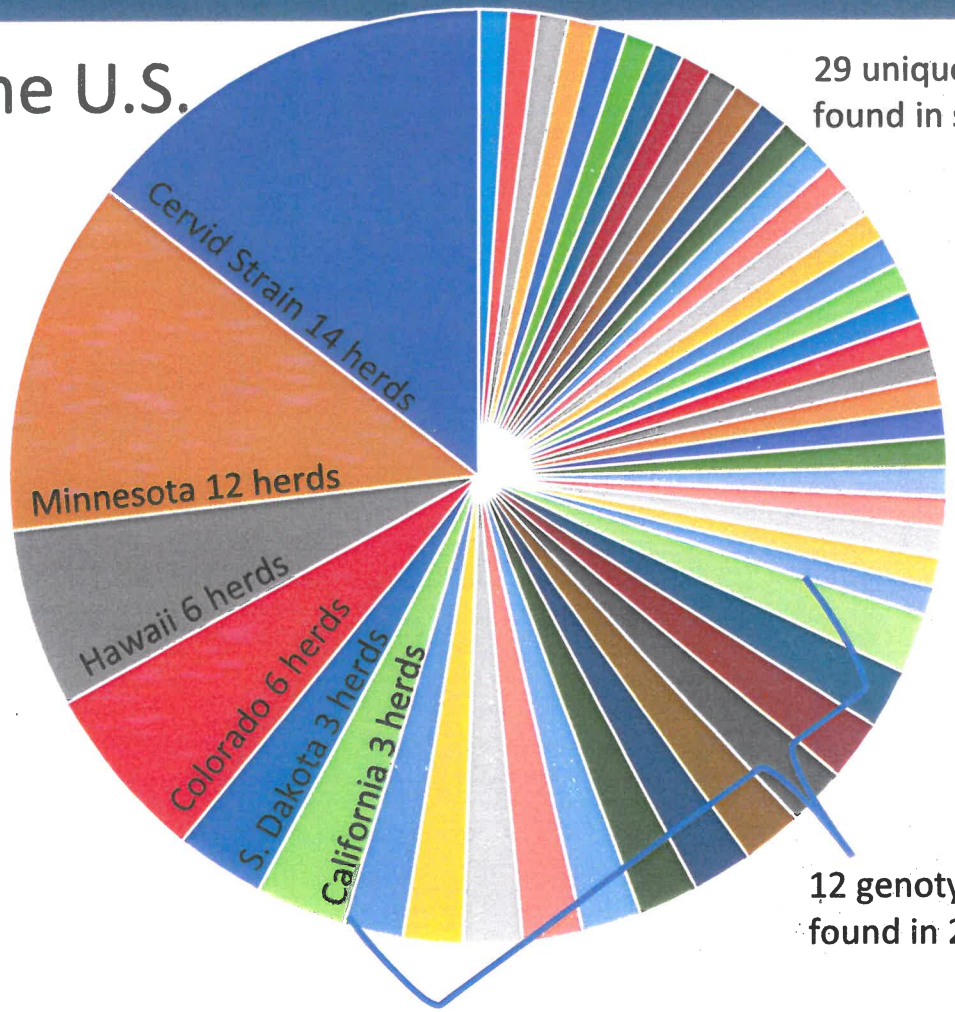
Mycobacterium bovis in the U.S.

Fiscal Years 1998 -2024

- 183 affected herds
  - 97 shown
  - 86 in Michigan not included
- Each section is a unique whole genome sequence of *M. bovis*
  - 47 unique strains (w/o MI)



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Tuberculosis (*M. bovis*)

FY24 Q3 (April-June 2024) Updates

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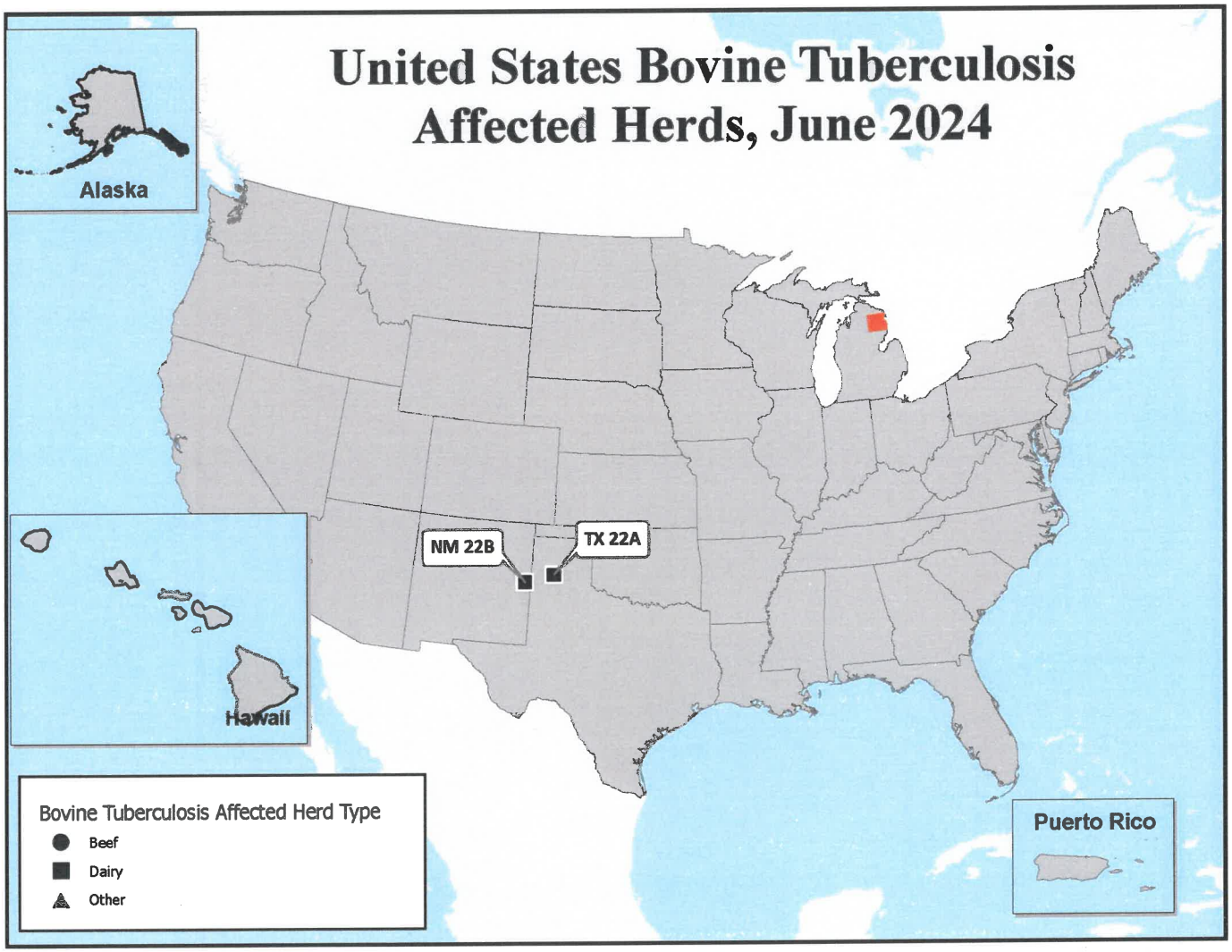
TB Affected Herds Under Quarantine Q3 (April-June 2024)

Location[1]	Date Detected	Method of Detection	Herd Type	Herd Management Status	Next Test Tentative Start Date
NM 22B*	July 2022	Epi Investigation	Dairy	Test and Remove Phase	Pending Culture
TX 22A*	July 2022	Movement Testing	Dairy	Test and Remove Phase	Pending Culture

1. Herds are named with the last 2 digits of the calendar year and in order of occurrence within a state during that year

* These herds are under the same ownership



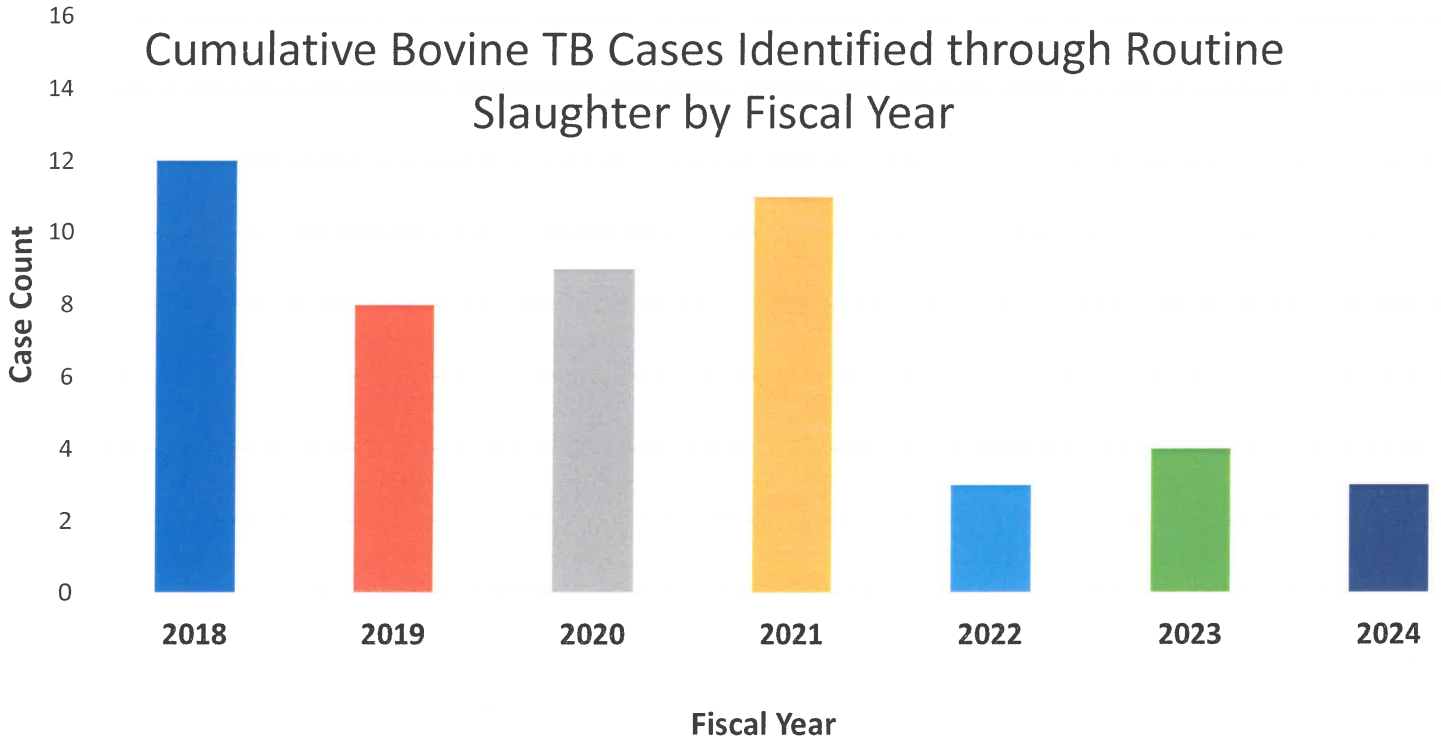
Affected herds are mapped to the center of their county.

TB Affected Herds Under Quarantine Q3 (April-June 2024)

- NM 22B→ still conducting WHTs of herds within complex
  - Confirmed July 2022
  - Test-and-Remove Model completed by CEAH
  - Removal test (5th) Sept. 2023
  - Removal test (6th) completed Dec. 2023- Negative
  - Verification Test June 2024- Cultures pending

TB Affected Herds Under Quarantine Q3 (April-June 2024)

- TX 22A → Still conducting WHTs of herds within complex
  - Confirmed July 2022
  - Test-and-Remove Model completed by CEAH
  - Epidemiologically linked to NM 22B
  - Removal test (5th) Sept. 2023
  - Removal test (6th) completed Dec. 2023-Negative
  - Verification Test June 2024- Cultures pending



Slaughter Type	Month confirmed	Slaughter Plant State	Slaughter Origin State	Outcome/current status
Beef	October 2023	MI	MI	Assurance Testing Pending
Beef	November 2023	TX	MX	Investigation Conducted by MX Authorities
Beef	December 2023	NE	CO	MT origin state.Investigation Complete

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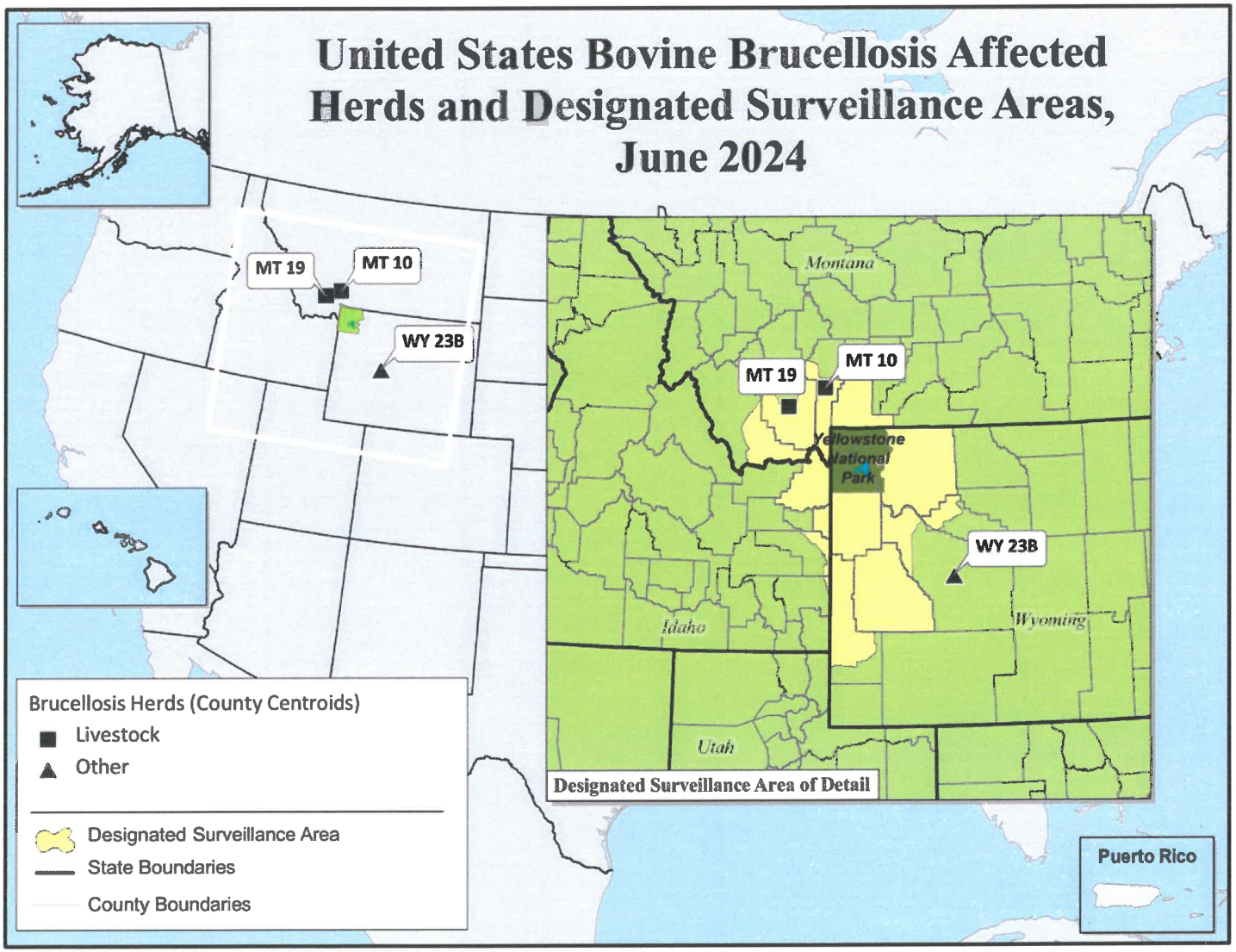
Brucellosis (*B. abortus*)

FY24 Q3 (April-June 2024) Updates


United States Bovine Brucellosis Affected Herds and Designated Surveillance Areas, June 2024
MT 19
MT 10
WY 23B
Montana
Yellowstone National Park
Idaho
Wyoming
Utah
Designated Surveillance Area of Detail
Puerto Rico
Brucellosis Herds (County Centroids)
Livestock
Other
Designated Surveillance Area
State Boundaries
County Boundaries

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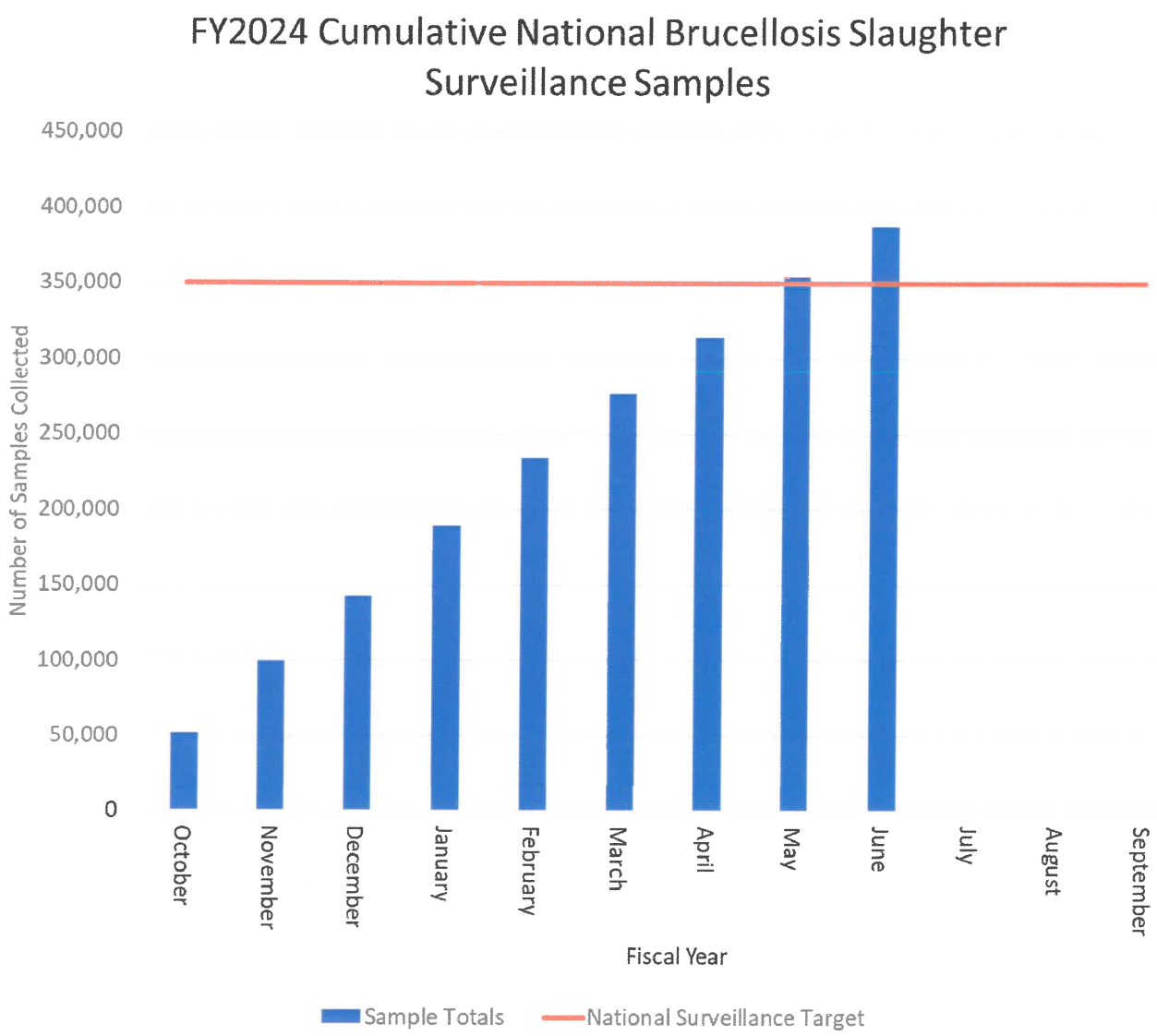
Brucellosis Affected Herds Under Quarantine Q3 (April-June 2024)

Herd[1]	Date Detected	Method of Detection	Herd Type[2]	Herd Management Status	Next Test Tentative Start Date
MT 10	November 2010	DSA Surveillance Testing	Livestock	Test and Remove	Fall 2024
MT 19	December 2019	DSA Surveillance	Livestock	Test and Remove	Fall 2024
WY 23B	November 2023	Livestock Market	Beef	Test and Remove	Fall 2024

1. Herds are named with the last 2 digits of the calendar year and in order of occurrence within a state during that year.
2. Current Montana state statute prevents public disclosure of herd type.

Brucellosis Affected Herds Under Quarantine Q3 (April-June 2024)

- MT 10
  - Herd still under quarantine and management practices are focused on isolating movement of animals between herds/locations for husbandry practices. Fall testing and continued movement to finishing/slaughter channels
- MT19
  - Herd still under quarantine and management practices are focused on isolating movement of animals between herds/locations for husbandry practices. Fall testing and continued movement to finishing/slaughter channels
- WY 23B
  - Identified through routine market testing surveillance
  - First WHT completed November 2023 and revealed 2 reactors confirmed culture positive
  - Hold order in place November 2023 and quarantined
  - Testing plan is scheduled for May/Nov/Post-calving respectively
  - Herd is in DSA and the epidemiologic investigation is ongoing
  - 27 head still under quarantine. There were some late calvers. The rest of the herd was released. Test the entire herd and WHT 1 for the quarantined herd will be this fall – depending on weather and vet availability.


FY2024 Cumulative National Brucellosis Slaughter Surveillance Samples
450,000
400,000
350,000
300,000
250,000
200,000
150,000
100,000
50,000
0
Number of Samples Collected
October
November
December
January
February
March
April
May
June
July
August
September
Fiscal Year
Sample Totals
National Surveillance Target