

**Strategy and Policy (SP)  
Ruminant Health Center  
Bovine Tuberculosis and Brucellosis Surveillance Results  
Monthly Reports, Federal Fiscal Year (FY) 2020**

**TUBERCULOSIS**

**New Information**

**December 2019**

- One histocompatible case was identified during routine slaughter in a fed cow and traced to a herd in Nebraska that voluntarily sent the remaining animals to slaughter.
- One histocompatible case was identified during routine slaughter in an adult Angus cow and traced to a feedlot in Oklahoma.

**Table 1.** Bovine TB cases found through routine slaughter inspection, FY 2020.<sup>a</sup>

Laboratory Status	New TB Cases December 1 - 31, 2019		Cumulative TB Cases October 1, 2019 – December 31, 2109		
	Fed cattle	Adult cattle	Fed cattle	Adult cattle	Total
<i>M. bovis</i> cases, confirmed	1	1	1	1	2

<sup>a</sup> Animals detected only through routine Food Safety and Inspection Service (FSIS)/State-inspected slaughter. Animals sent to slaughter for diagnostic purposes on a 1-27 permit, “Permit for Movement of Restricted Animals” are not included.

<sup>b</sup> Confirmed by *M. bovis* identification; or Histo compatible and PCR positive for *M. TB* complex.

**November 2019**

- One Texas dairy herd successfully completed its test and remove herd plan.

**October 2019**

- Herd #73 in MI MAZ was released from quarantine mid October 2019, following completion of the test and remove program and implementation of the herd plan, including infrastructure improvements to mitigate wildlife risk.
- A New Mexico herd was released from quarantine following completion of their test and remove program. Their annual post quarantine release assurance test is scheduled for September 2020.

**Table 2.** Livestock herds confirmed infected with bovine TB and under quarantine. Includes test-and-remove managed herds under quarantine from previous years. Herds will be removed when the quarantine on the TB-affected premises has been released.

Location	Date Detected	Method of Detection	Herd Type	Herd Management Plan
TX 19-3	August 2019	Slaughter Trace	Beef	Test-and-Remove
NM 19	May 2019	Slaughter Trace	Dairy	Test-and-Remove
MI-AFZ #76	May 2019	Epi Investigation	Beef	Test-and-Remove
MI-AFZ #75	April 2019	Area Surveillance	Beef	Depopulated
MI-MAZ #74	April 2019	Area Surveillance	Beef	Test-and-Remove
TX 19-2	February 2019	Epi Investigation	Calf Raiser	Test-and-Remove
TX 19-1	February 2019	Epi Investigation	Dairy	Test-and-Remove
WI 18	October 2018	Slaughter Trace	Dairy	Test-and Remove
MI-MAZ #66	November 2016	Area Testing	Beef	Test-and-Remove
TX 15	June 2015	Slaughter Trace	Dairy	Test-and-Remove

## BRUCELLOSIS

### New Information

#### December 2019

- An affected Wyoming DSA (WY 20-2) beef herd was detected and placed under quarantine in December 2019. A single reactor heifer in a whole herd test was culture positive for *B. abortus* in samples submitted to NVSL. The heifer herd is epidemiologically separate from the cow herd and has passed two whole group tests with negative results. Next herd test will be a post calving test in late spring.
- An affected Montana DSA (MT 20-1) livestock herd was detected on an annual test and placed under quarantine in November 2019. A DSA annual herd test revealed a single three year old reactor cow. This cow was culture positive for *B. abortus* in December

2019 for samples submitted to NVSL. Herd management practices indicate this herd will employ once/year testing. All adjacent premises engage in annual testing also and were all negative.

- An affected Wyoming DSA (WY 20-3) beef herd was detected and placed under quarantine in November 2019. A single reactor cow was culture positive in December 2019 for *B. abortus* in samples submitted to NVSL. Next whole herd test will be conducted in January.

### November 2019

- An affected Wyoming DSA (WY 20-1) beef herd was detected and placed under quarantine in November 2019. Two reactor heifers were found in a herd of approximately 480 head. Only one of the reactors was available for necropsy and it cultured negative for *B. abortus*. The herd was designated as affected based on serology and the epidemiological investigation. This herd has passed two whole herd tests with negative results. Next herd test will be a post calving test in late spring.
- Fall testing of the Montana DSA (MT 10) livestock herd started early November and was completed in December. Testing revealed 4 suspects. Next test is scheduled for fall 2020.

### October 2019

- No update.

**Table 1.** Livestock herds confirmed with brucellosis and under quarantine. Includes test-and-remove managed herds under quarantine from previous years. Herds will be removed when the quarantine on the brucellosis-affected premises has been released.

Location	Date Detected	Method of Detection	Herd Type <sup>a</sup>	Herd Management Plan
MT 20-1	December 2019	DSA Surveillance testing	Livestock	Test-and-Remove
WY 20-3	December 2019	DSA Surveillance testing	Beef	Test-and-Remove
WY 20-2	December 2019	DSA Surveillance testing	Beef	Test-and-Remove
WY 20-1	November 2019	DSA Surveillance testing	Beef	Test-and-Remove
MT 10	November 2010	DSA Surveillance testing	Livestock	Test-and-Remove