

**Surveillance, Preparedness and Response Services (SPRS)
Cattle Health Center
Bovine Tuberculosis and Brucellosis Surveillance Results
Monthly Reports, Federal Fiscal Year (FY) 2018**

TUBERCULOSIS

New Information – Bovine Tuberculosis (TB)

October 2017

- One histo compatible case was identified during routine slaughter.
 - PCR (+) case in a cow with confirmed official identification device tracing to South Dakota.

Table 1. Bovine TB cases found through routine slaughter inspection, FY 2018.^a

Laboratory Status	New TB Cases October 1-31, 2017		Cumulative TB Cases October 1, 2016-October 31, 2017		
	Fed cattle	Adult cattle	Fed cattle	Adult cattle	Total
<i>M. bovis</i> cases, confirmed ^b	0	1	0	1	1

^a Animals detected only through routine Food Safety 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.

^b Confirmed by *M. bovis* identification; or Histo compatible and PCR positive for *M. TB* complex.

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
New Mexico	June 2017	Epi Investigation	Dairy	Pending
MI - MAZ	April 2017	Area Surveillance	Beef	Test-and-Remove
South Dakota	April 2017	Epi Investigation	Beef	Test-and-Remove

South Dakota	March 2017	Epi Investigation	Beef	Test-and-Remove
Michigan - AFZ	March 2017	Epi Investigation	Beef	Depop
New Mexico	February 2017	Slaughter Trace	Dairy	Pending
Indiana	December 2016	Area Surveillance	Beef	Test-and-Remove
MI-MAZ	December 2016	Area Testing	Dairy	Quarantine Released
MI-MAZ	November 2016	Area Testing	Beef	Pending
Texas	June 2015	Slaughter Trace	Dairy	Test-and-Remove
MI-MAZ	August 2016	Movement Test	Beef	Quarantine Released

BRUCELLOSIS

New Information

October 2017

- The Montana Designated Surveillance Area (DSA) livestock herd detected in August 2017 completed first whole herd test in September. Three non-negative animals were found, with *B. abortus* biovar 1 being isolated from the index animal. Next test is scheduled for mid-January 2018.
- The Montana DSA livestock herd that was detected in November 2016 completed its whole herd post-calving test. One sero suspect animal was detected and went negative upon retest. The quarantine was lifted October 14, and the assurance test is scheduled for December 2017.

Table 1. Brucellosis cases found through routine slaughter inspection – cattle, FY 2018 Year-to-Date.^a

Laboratory Status	New Brucellosis Cases March 1 - 31, 2017		Cumulative Brucellosis Cases October 1 2016 – March 31, 2017		
	Fed cattle	Adult cattle	Fed cattle	Adult cattle	Total
<i>B. abortus</i> reactor cases	0	0	0	0	0

^a Animals detected only through routine FSIS/State slaughter inspection. Animals sent to slaughter for diagnostic purposes on a 1-27 permit, “Permit for Movement of Restricted Animals” are not included.

Table 2. 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^a	Herd Management Plan
MT-DSA	August 2017	DSA Surveillance testing	Livestock	Test-and-remove
MT-DSA	November 2016	DSA Surveillance testing	Livestock	Quarantine Released
MT-DSA	November 2010	DSA Surveillance testing	Bison	Test-and-Remove

a. Current Montana state statute prevents public disclosure of herd type. Previous herd type identification is “grandfathered” in prior to this law.