

OCTOBER 2016

Surveillance, Preparedness and Response Services (SPRS) Cattle Health Center Bovine Tuberculosis and Brucellosis Surveillance Results Monthly Reports, Federal Fiscal Year (FY) 2017

TUBERCULOSIS

New Information – Bovine Tuberculosis (TB)

- Three positive TB cases in fed cattle were identified during routine slaughter.
 - One with confirmed identification devices tracing to Nuevo Leon.
 - One with identification devices tracing to Michigan’s Presque Isle County north of Michigan’s MAZ.
 - One with identification implicating a Mexican origin animal however identification devices and lesion tissue did not match.

Table 1. Bovine TB cases found through routine slaughter inspection, FY 2016.^a

Laboratory Status	New TB Cases October 1 - 31, 2016		Cumulative TB Cases October 1, 2016- October 31, 2106		
	Fed cattle	Adult cattle	Fed cattle	Adult cattle	Total
<i>M. bovis</i> cases, confirmed ^b	3	0	3	0	0

^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
Texas	June 2015	Slaughter Trace	Dairy	Test-and-Remove

MI-MAZ	July 2015	Epi Investigation	Mixed	Depopulated August 2015.
MI-MAZ	December 2015	Area Testing	Beef	Depopulated July 2016 (State Funded)
MI-MAZ	April 2016	Area Testing	Beef	Test-and-Remove
MI-MAZ	May 2016	Epi Investigation	Beef	Test-and-Remove
IN	June 2016	Slaughter Trace	Beef	Depopulated June 2016
MI-MAZ	August 2016	Movement Test	Beef	Test-and-Remove

BRUCELLOSIS

New Information – Brucellosis

- The Wyoming Designated Surveillance Area (DSA) Brucellosis-affected herd was tested October 31–November 1, 2016. 404 head were tested with 2 reactors, serology confirmed at the National Veterinary Services Laboratories.

Table 1. Brucellosis cases found through routine slaughter inspection, FY 2016.^a

Laboratory Status	New Brucellosis Cases October 1 - 31, 2016		Cumulative Brucellosis Cases October 1, 2015 - October 31, 2016		
	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	Herd Management Plan
WY - DSA	November 2015	Surveillance Testing	Cattle	Test-and-Remove
MT - DSA	November 2010	Surveillance testing	Bison	Test-and-Remove