

# Reportable Animal Diseases in Michigan

## Sept. 1, 2011—June 30, 2012

### A Guide for Veterinarians and Laboratories

Pursuant to Act 466 of 1988, MCL 287.09, a person who discovers or suspects or has reason to believe that an animal is either affected by a reportable disease or contaminated with a toxic substance shall immediately report this (see reverse) to the Michigan Department of Agriculture and Rural Development (MDARD).

#### Aquaculture diseases

Crustacean—Crayfish plague  
Crustacean—Infectious hypodermal and hematopoietic necrosis  
Crustacean—Infectious myonecrosis  
Crustacean—Necrotizing hepatopancreatitis  
Crustacean—Taura syndrome  
Crustacean—White spot disease  
Crustacean—White tail disease  
Crustacean—Yellowhead disease  
Fish—Ceratomyxosis  
Fish—Epizootic hematopoietic necrosis  
Fish—Epizootic ulcerative syndrome  
Fish—Gyrodactylosis (*Gyrodactylus salaris*)  
Fish—Infectious hematopoietic necrosis  
Fish—Infectious salmon anemia  
Fish—Koi herpesvirus disease  
Fish—Proliferative kidney disease  
Fish—Red seam bream iridoviral disease  
Fish—Spring viremia of carp  
Fish—Viral hemorrhagic septicemia  
Mollusk—Abalone viral mortality  
Mollusk—Infection with *Bonamia exitiosa*  
Mollusk—Infection with *Bonamia ostreae*  
Mollusk—Infection with *Marteilia refringens*  
Mollusk—Infection with *Perkinsus marinus*  
Mollusk—Infection with *Perkinsus olseni*  
Mollusk—Infection with *Xenohlotis californiensis*  
Toxic substance contamination

#### Avian diseases

Avian infectious bronchitis  
Avian infectious laryngotracheitis  
Low pathogenic avian influenza (H5 or H7)  
Highly pathogenic avian influenza  
Avian tuberculosis  
Chlamydiosis (*Chlamydia psittaci*)  
Duck virus enteritis  
Duck virus hepatitis  
Equine encephalomyelitis ( Eastern (EEE), Western (WEE))  
Fowl cholera (*Pasteurella multocida*)  
Fowl typhoid (*Salmonella gallinarum*)  
Infectious bursal disease  
Marek's disease  
*Mycoplasma gallisepticum*  
*Mycoplasma meleagridis*  
*Mycoplasma synoviae*  
Exotic Newcastle disease (END)  
Pullorum disease (*Salmonella pullorum*)  
*Salmonella enteritidis enteritidis*  
Toxic substance contamination  
Turkey coronavirus  
Turkey rhinotracheitis  
West Nile virus (WNV)

#### Bovine diseases

Anaplasmosis (*Anaplasma caudatum*,

*A. centrale*, *A. marginale*)  
Anthrax (*Bacillus anthracis*)  
Babesiosis (*Babesia bovis*, *B. bigemina*)  
Bluetongue  
Bovine spongiform encephalopathy (BSE)  
Bovine viral diarrhea (BVD)  
Brucellosis (*Brucella abortis*, *B. melintensis*, *B. suis*)  
Contagious bovine pleuropneumonia  
Crimean Congo hemorrhagic fever  
Echinococcosis/hydatidosis  
Enzootic bovine leukosis (BLV)  
Epizootic hemorrhagic disease (EHD)  
Foot and mouth disease (FMD)  
Genital campylobacteriosis (*Campylobacter fetus venerealis*)  
Heartwater (*Cowdria ruminantium*)  
Hemorrhagic septicemia (*Pasteurella multocida*, *B/Asian or E/African*)  
Infectious bovine rhinotracheitis/Infectious pustular vulvovaginitis (IBR/IPV)  
Leptospirosis  
Lumpy skin disease  
Malignant catarrhal fever  
Paratuberculosis (*Mycobacterium avium paratuberculosis*)  
Pseudorabies (Aujeszky's Disease, PRV)  
Q fever (*Coxiella burnetii*)  
Rabies  
Rift Valley fever  
Rinderpest  
Surra (*Trypanosoma evansi*)  
Screwworm (New and Old World)  
Theileriasis (*Theileria annulata*, *T. parva*)  
Toxic substance contamination  
Trichomoniasis (*Trichomonas foetus*)  
Trypanosomiasis (*Trypanosoma brucei brucei*, *T. congolense*, *T. vivax*)  
Tuberculosis (*Mycobacterium bovis*)  
Vesicular stomatitis (VS)

#### Canine diseases

Anthrax (*Bacillus anthracis*)  
Brucellosis (*Brucella canis*)  
Echinococcus/hydatidosis  
Leptospirosis  
Plague (*Yersinia pestis*)  
Pseudorabies (Aujeszky's Disease, PRV)  
Q fever (*Coxiella burnetii*)  
Rabies  
Rift valley fever  
Screwworm (New and Old World)  
Surra (*Trypanosoma evansi*)  
Toxic substance contamination  
Tuberculosis (all strains)  
Tularemia (*Francisella tularensis*)  
West Nile virus (WNV)

#### Caprine/Ovine diseases

Anthrax (*Bacillus anthracis*)  
Bluetongue

Brucellosis (*Brucella melitensis*)  
Caprine arthritis/encephalitis (CAE)  
Contagious agalactia (*Mycoplasma agalactiae*, *M. capricolum capricolum*, *M. mycoides mycoides*, *M. mycoides mycoides* LC, *M. putrefaciens*)  
Contagious caprine pleuropneumonia  
Crimean Congo hemorrhagic fever  
Echinococcosis/hydatidosis  
Enzootic abortion of ewes (ovine chlamydiosis, *Chlamydia psittaci*)  
Foot and mouth disease (FMD)  
Goat and sheep pox  
Heartwater (*Cowdria ruminantium*)  
Leptospirosis  
Maedi-visna/Ovine progressive pneumonia  
Nairobi sheep disease  
Ovine epididymitis (*Brucella ovis* infection)  
Ovine pulmonary adenomatosis  
Paratuberculosis (*Mycobacterium avium paratuberculosis*)  
Peste des petits ruminants  
Pseudorabies (Aujeszky's Disease, PRV)  
Q fever (*Coxiella burnetii*)  
Rabies  
Rift Valley fever  
Rinderpest  
Salmonellosis (*Salmonella abortus ovis*)  
Scrapie  
Screwworm (New and Old World)  
Surra (*Trypanosoma evansi*)  
Theileriasis (*Theileria annulata*, *T. parva*)  
Toxic substance contamination  
Tuberculosis (*Mycobacterium bovis*)  
Tularemia (*Francisella tularensis*)  
Vesicular stomatitis (VS)  
West Nile virus (WNV)

#### Equine diseases

African horse sickness  
Anthrax (*Bacillus anthracis*)  
Brucellosis (*Brucella abortis*, *B. suis*)  
Contagious equine metritis (*Taylorella equigenitalis*)  
Dourine (*Trypanosoma equiperadum*)  
Echinococcosis/hydatidosis  
Equine encephalomyelitis ( Eastern (EEE), Western (WEE), Venezuelan (VEE))  
Equine herpesvirus myeloencephalopathy  
Equine infectious anemia (EIA)  
Equine influenza (virus Type A)  
Equine piroplasmiasis (*Babesia caballi*, *Theileria equi*)  
Equine rhinopneumonitis (EHV 1 and 4)  
Equine viral arteritis (EVA)  
Glanders (*Pseudomonas mallei*)  
Japanese encephalitis  
Leptospirosis  
Rabies

## Equine diseases (cont.)

Screwworm (New and Old World)  
Surra (*Trypanosoma evansi*)  
Toxic substance contamination  
Trichinellosis (*Trichinella spiralis*)  
Tularemia (*Francisella tularensis*)  
Vesicular stomatitis (VS)  
West Nile virus (WNV)

## Feline diseases

Anthrax (*Bacillus anthracis*)  
Echinococcosis/hydatidosis  
Plague (*Yersinia pestis*)  
Pseudorabies (Aujeszky's Disease, PRV)  
Q fever (*Coxiella burnetii*)  
Rabies  
Rift valley fever  
Screwworm (New and Old World)  
Toxic substance contamination  
Tuberculosis (all strains)  
Tularemia (*Francisella tularensis*)  
West Nile virus (WNV)

## Ferret/Mustelid diseases

Anthrax (*Bacillus anthracis*)  
Botulism (*Clostridium botulinum*)  
Echinococcosis/hydatidosis  
Plague (*Yersinia pestis*)  
Pseudorabies (Aujeszky's Disease, PRV)  
Q fever (*Coxiella burnetii*)  
Rabies  
Screwworm (New and Old World)  
Toxic substance contamination  
Tularemia (*Francisella tularensis*)  
West Nile virus (WNV)

## Lagomorph diseases

Myxomatosis  
Plague (*Yersinia pestis*)  
Q fever (*Coxiella burnetii*)  
Rabbit hemorrhagic disease  
Toxic substance contamination  
Tularemia (*Francisella tularensis*)

## New/Old World Camelid diseases

Anthrax (*Bacillus anthracis*)  
Bluetongue  
Brucellosis (*Brucella abortus*)  
Paratuberculosis (*Mycobacterium avium paratuberculosis*)  
Rabies  
Rift valley fever  
Screwworm (New and Old World)  
Surra (*Trypanosoma evansi*)  
Toxic substance contamination  
Tuberculosis (*Mycobacterium bovis*)  
West Nile virus (WNV)

## Porcine diseases

African swine fever  
Anthrax (*Bacillus anthracis*)  
Brucellosis (*Brucella suis*)  
Classical swine fever (Hog cholera)  
Cysticercosis (*Cysticercus cellulosae* metacestode stage of *Taenia solium*)

Echinococcosis/hydatidosis  
Enterovirus encephalomyelitis  
Foot and mouth disease (FMD)  
Japanese encephalitis  
Leptospirosis  
Nipah virus encephalitis  
Porcine Reproductive and Respiratory Syndrome (PRRS)  
Pseudorabies (Aujeszky's Disease, PRV)  
Rabies  
Rinderpest  
Screwworm (New and Old World)  
Swine vesicular disease  
Toxic substance contamination  
Transmissible gastroenteritis (TGE)  
Trichinellosis (*Trichinella spiralis*)  
Tuberculosis (*Mycobacterium bovis*)  
Tularemia (*Francisella tularensis*)  
Vesicular exanthema  
Vesicular stomatitis (VS)

## Privately Owned Cervid diseases

Anthrax (*Bacillus anthracis*)  
Bluetongue  
Brucellosis (*Brucella abortus*, *B. melitensis*, *B. suis*)  
Chronic Wasting Disease (CWD)  
Echinococcus/hydatidosis  
Equine encephalomyelitis ( Eastern (EEE), Western (WEE), Venezuelan (VEE))  
Epizootic hemorrhagic disease  
Foot and mouth disease (FMD)  
Malignant catarrhal fever  
Paratuberculosis (*Mycobacterium avium paratuberculosis*)  
Rabies  
Screwworm (New and Old World)  
Surra (*Trypanosoma evansi*)  
Toxic substance contamination  
Tuberculosis (*Mycobacterium bovis*)  
West Nile virus (WNV)

## Rodent diseases

Anthrax (*Bacillus anthracis*) in guinea pigs  
Crimean Congo hemorrhagic fever  
Eastern equine encephalomyelitis (EEE)  
Echinococcosis/hydatidosis  
Leptospirosis  
Lymphocytic Choriomeningitis Virus  
Monkey pox virus  
Plague (*Yersinia pestis*)  
Q fever (*Coxiella burnetii*)  
Pseudorabies (Aujeszky's Disease, PRV)  
Rift Valley Fever  
Tularemia (*Francisella tularensis*)

## Multiple species diseases

Anthrax (*Bacillus anthracis*)  
Bluetongue  
Brucellosis (*Brucella abortus*, *B. melitensis*, *B. suis*)  
Crimean Congo hemorrhagic fever  
Echinococcosis/hydatidosis  
Epizootic hemorrhagic disease  
Equine encephalomyelitis ( Eastern (EEE), Western (WEE), Venezuelan (VEE))

Foot and mouth disease (FMD)  
Heartwater (*Cowdria ruminantium*)  
Japanese encephalitis  
Leptospirosis  
Malignant catarrhal fever  
Paratuberculosis (*Mycobacterium avium paratuberculosis*)  
Plague (*Yersinia pestis*)  
Pseudorabies (Aujeszky's Disease, PRV)  
Q fever (*Coxiella burnetii*)  
Rabies  
Rift Valley fever  
Rinderpest  
Screwworm (New and Old World)  
Surra (*Trypanosoma evansi*)  
Toxic substance contamination  
Trichinellosis (*Trichinella spiralis*)  
Tuberculosis (*Mycobacterium bovis*)  
Tularemia (*Francisella tularensis*)  
Vesicular lesions (all livestock species)  
Vesicular stomatitis (VS)  
West Nile virus (WNV)

## What to do if you suspect a foreign animal disease or unusual event

- Notify MDARD or USDA immediately:
  - MDARD contact information  
Monday—Friday  
8:00 am—5:00 pm  
(517) 373-1077  
(517) 373-0440 (after hours)
  - USDA contact information  
Monday—Friday  
8:00 am—4:30 pm  
(517) 324-5290
- Be aware of zoonotic disease potential.
- Isolate the animal(s).
- Clean and disinfect boots, equipment and vehicle tires with Virkon-S or bleach solution.
- Change outer clothing and isolate until laundered.
- Wash hands thoroughly.
- Stress to owner the need to avoid contact with animal(s) and the importance of avoiding movement of people off the farm.
- Return home, shower, and avoid contact with other susceptible animals for at least three (3) days.
- In an office setting, follow similar procedures for isolation, disinfection, and protecting yourself, your staff, and your clients.
- A more complete listing of disease testing along with alternate disease names may be found at [www.michigan.gov/reportable-animal-diseases](http://www.michigan.gov/reportable-animal-diseases)