



2015 Vesicular Stomatitis Virus (VSV) Situation Report – November 25, 2015

Information current as of 5:00 pm MDT, 11/24/2015

Updated information in blue ink

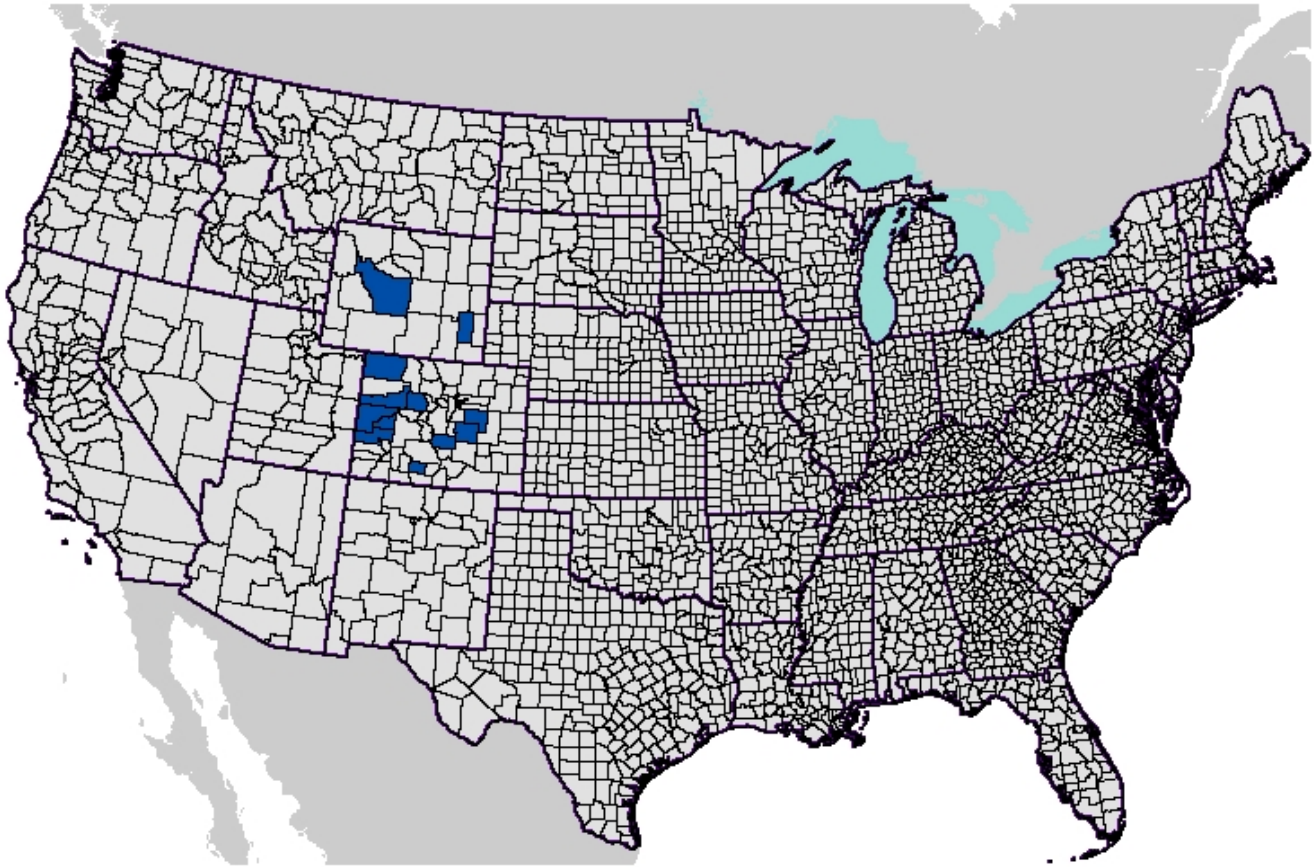
Critical New Information

- **Nine (9)** new VSV-confirmed (New Jersey serotype) and/or suspect premises have been identified and quarantined since the last situation report (11/18/15).
- **Newly affected counties** have been identified in:
 - **Colorado (Denver County)**
- Since the start of the outbreak, **eight hundred nine (809)** VSV-affected premises (New Jersey serotype) have been identified and quarantined in 8 states (Arizona, Colorado, Nebraska, New Mexico, South Dakota, Texas, Utah, and Wyoming).
- Currently, there are **thirty (30)** affected premises remaining under quarantine in 2 states (Colorado and Wyoming).
- **As of November 4, 2015, all VSV-affected premises in New Mexico were released from quarantine.**

Summary of the Outbreak

The 2015 VSV outbreak in the United States began April 29, 2015. To date, a total of **eight hundred nine (809)** VSV-affected premises (New Jersey serotype) have been confirmed or suspected in eight (8) U.S. states; Arizona (36 premises in 3 counties), Colorado (**429** premises in **35** counties), Nebraska (37 premises in 9 counties), New Mexico (52 premises in 13 counties), South Dakota (50 premises in 7 counties), Texas (3 premises in 3 counties), Utah (55 premises in 8 counties), and Wyoming (**147** premises in 10 counties). Currently, there are **30** premises remaining under quarantine in 2 states (Colorado and Wyoming).

Map 1. VSV Current: Counties with Current Premises Quarantined



VSV Current Premises

Table 1. Location and number of premises currently under movement control for VSV

| COLORADO | New Premises 11/18- 11/24/15 Confirmed (Suspect) | Total Current Premises last report | VSV Premises Released 11/18 – 11/24/15 | Total Current Premises |
|-----------------------|---|---|---|-----------------------------------|
| Delta County | 0 | 2 | 1 | 1 |
| Denver County | 1 | 0 | 0 | 1 |
| Douglas County | 0 | 2 | 2 | 0 |
| Eagle County | 0 | 1 | 0 | 1 |
| Elbert County | 1 | 6 | 5 | 2 |
| El Paso County | 0 (1) | 14 | 10 | 5 |
| Fremont County | 0 | 4 | 1 | 3 |
| Garfield County | 3 | 6 | 3 | 6 |
| Mesa County | 0 (1) | 4 | 1 | 4 |
| Moffat County | 1 | 0 | 0 | 1 |
| Montrose County | 0 | 2 | 1 | 1 |
| Rio Grande County | 0 | 2 | 0 | 2 |
| Weld County | 0 | 2 | 2 | 0 |
| TOTAL COLORADO | 6 (2) | 45 | 26 | 27 |

| | New Premises 11/18- 11/24/15 Confirmed (Suspect) | Total Current Premises last report | VSV Premises Released 11/18 – 11/24/15 | Total Current Premises |
|---|--|---------------------------------------|--|---------------------------|
| NEBRASKA | | | | |
| Red Willow County | 0 | 1 | 1 | 0 |
| TOTAL NEBRASKA | 0 | 1 | 1 | 0 |
| SOUTH DAKOTA | | | | |
| Custer County | 0 | 1 | 1 | 0 |
| Fall River County | 0 | 1 | 1 | 0 |
| Lawrence County | 0 | 1 | 1 | 0 |
| TOTAL SOUTH DAKOTA | 0 | 3 | 3 | 0 |
| UTAH | | | | |
| Uintah County | 0 | 1 | 1 | 0 |
| TOTAL UTAH | 0 | 1 | 1 | 0 |
| WYOMING | | | | |
| Fremont County | 0 | 8 | 6 | 2 |
| Platte County | 1 | 0 | 0 | 1 |
| TOTAL WYOMING | 1 | 8 | 6 | 3 |
| TOTAL: 2 STATES w/ current quarantines | 7 (2) | 58 | 37 | 30 |

New Confirmed/Suspect Premises

Since the last situation report (11/18/15), the following **nine (9) new VSV-confirmed (New Jersey serotype) and/or suspect premises** have been identified and quarantined:

Colorado (6 new confirmed, 2 new suspect premises)

- Denver County (new affected county) – 1 new confirmed positive premises
- Elbert County – 1 new confirmed positive premises
- El Paso County – 1 new suspect premises
- Garfield County – 3 new confirmed positive premises
- Mesa County – 1 new suspect premises
- Moffat County – 1 new confirmed positive premises

Wyoming (1 new confirmed premises)

- Platte County – 1 new confirmed positive premises

New Quarantine Releases

Quarantined premises are eligible for release 14 days after the onset of lesions in the last affected animal on the premises. Since the last situation report (11/18/15), the following **thirty-seven (37) premises** have been **released from quarantine**:

Colorado (26 premises released)

- Delta County – 1 premises released
- Douglas County – 2 premises released

- Elbert County – 5 premises released
- El Paso County – 10 premises released
- Fremont County – 1 premises released
- Garfield County – 3 premises released
- Mesa County – 1 premises released
- Montrose County – 1 premises released
- Weld County – 2 premises released

Nebraska (1 premises released)

- Red Willow County – 1 premises released

South Dakota (3 premises released)

- Custer County – 1 premises released
- Fall River County – 1 premises released
- Lawrence County – 1 premises released

Utah (1 premises released)

- Uintah County – 1 premises released

Wyoming (6 premises released)

- Fremont County – 6 premises released

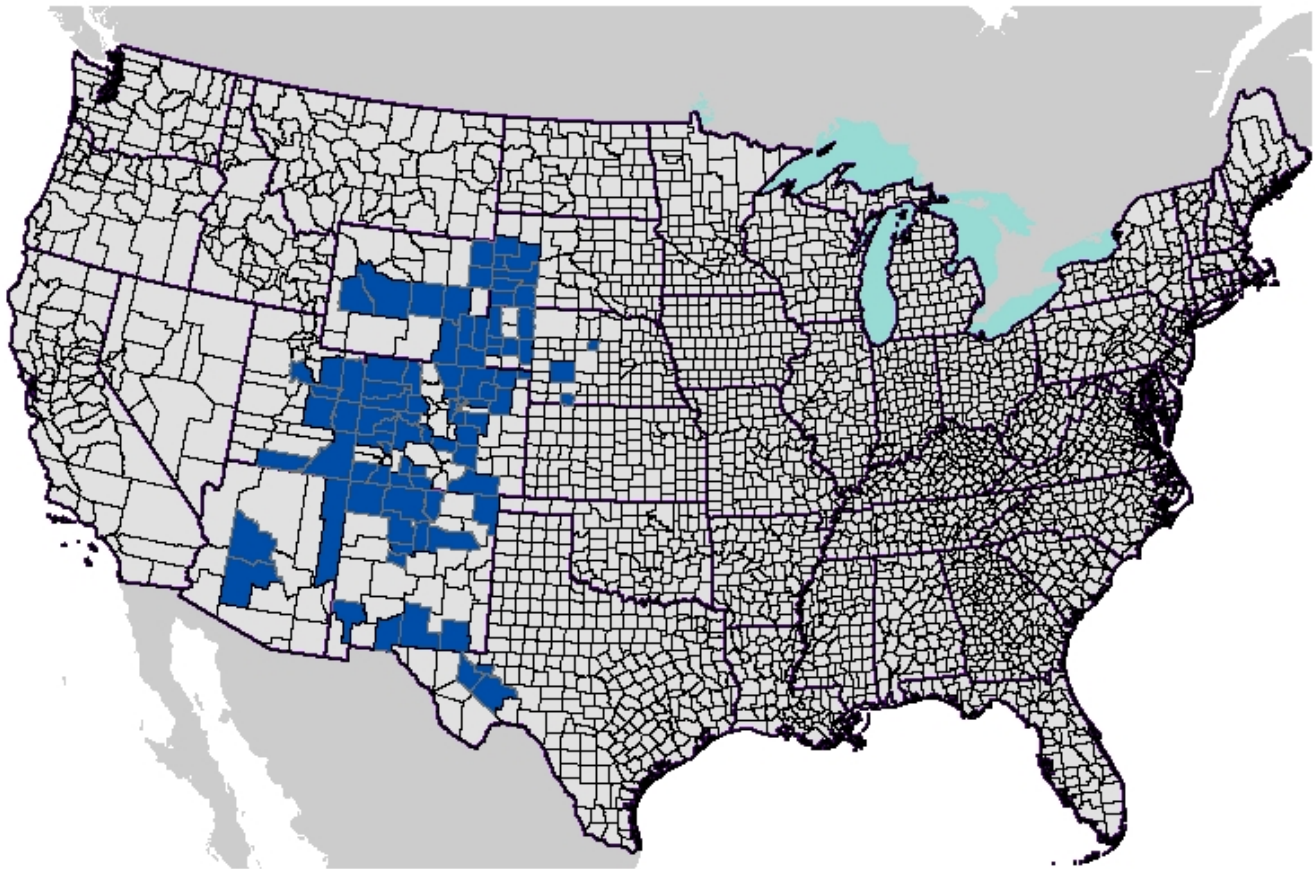
VSV Cumulative Premises

Table 2. Location and number of premises confirmed/suspect for VSV since April 29, 2015

| ARIZONA | Confirmed Positive Premises | Suspect Premises | Total Premises |
|------------------------------------|-----------------------------|------------------|----------------|
| Apache County | 1 | 0 | 1 |
| Maricopa County | 13 | 15 | 28 |
| Yavapai County | 0 | 7 | 7 |
| TOTAL ARIZONA: 3 COUNTIES | 14 | 22 | 36 |
| COLORADO | | | |
| Adams County | 1 | 0 | 1 |
| Archuleta County | 7 | 4 | 11 |
| Boulder County | 3 | 2 | 5 |
| Broomfield County | 1 | 0 | 1 |
| Chaffee County | 1 | 0 | 1 |
| Conejos County | 3 | 1 | 4 |
| Delta County | 12 | 31 | 43 |
| Denver County | 1 | 0 | 1 |
| Douglas County | 4 | 4 | 8 |
| Eagle County | 1 | 0 | 1 |
| Elbert County | 11 | 3 | 14 |
| El Paso County | 21 | 29 | 50 |
| Fremont County | 9 | 16 | 25 |
| Garfield County | 14 | 14 | 28 |
| Gunnison County | 1 | 0 | 1 |
| Jefferson County | 3 | 4 | 7 |
| La Plata County | 4 | 10 | 14 |
| Larimer County | 12 | 36 | 48 |
| Las Animas County | 1 | 1 | 2 |
| Logan County | 1 | 0 | 1 |
| Mesa County | 20 | 34 | 54 |
| Mineral County | 1 | 0 | 1 |
| Moffat County | 2 | 0 | 2 |
| Montezuma County | 3 | 8 | 11 |
| Montrose County | 14 | 27 | 41 |
| Morgan County | 2 | 0 | 2 |
| Ouray County | 1 | 3 | 4 |
| Pitkin County | 1 | 1 | 2 |
| Pueblo County | 1 | 0 | 1 |
| Rio Blanco County | 2 | 0 | 2 |
| Rio Grande County | 5 | 1 | 6 |
| Routt County | 1 | 0 | 1 |
| Sedgwick County | 1 | 0 | 1 |
| Washington County | 1 | 0 | 1 |
| Weld County | 13 | 21 | 34 |
| TOTAL COLORADO: 35 COUNTIES | 179 | 250 | 429 |
| NEBRASKA | | | |
| Banner County | 1 | 0 | 1 |
| Garden County | 1 | 1 | 2 |
| Lincoln County | 2 | 0 | 2 |
| Loup County | 1 | 0 | 1 |
| Morrill County | 2 | 0 | 2 |
| Red Willow County | 1 | 0 | 1 |
| Scotts Bluff County | 13 | 13 | 26 |
| Sheridan County | 1 | 0 | 1 |
| Sioux County | 1 | 0 | 1 |
| TOTAL NEBRASKA: 9 COUNTIES | 23 | 14 | 37 |

| NEW MEXICO | Confirmed Positive Premises | Suspect Premises | Total Premises |
|---------------------------------------|------------------------------------|-------------------------|-----------------------|
| Bernalillo County | 0 | 2 | 2 |
| Dona Ana County | 0 | 2 | 2 |
| Eddy County | 0 | 2 | 2 |
| Grant County | 3 | 2 | 5 |
| Otero County | 1 | 0 | 1 |
| Rio Arriba County | 0 | 3 | 3 |
| Sandoval County | 1 | 3 | 4 |
| San Juan County | 4 | 21 | 25 |
| San Miguel County | 2 | 1 | 3 |
| Santa Fe County | 1 | 1 | 2 |
| Taos County | 0 | 1 | 1 |
| Union County | 0 | 1 | 1 |
| Valencia County | 0 | 1 | 1 |
| TOTAL NEW MEXICO: 13 COUNTIES | 12 | 40 | 52 |
| SOUTH DAKOTA | | | |
| Butte County | 0 | 1 | 1 |
| Custer County | 2 | 4 | 6 |
| Fall River County | 3 | 3 | 6 |
| Lawrence County | 4 | 2 | 6 |
| Meade County | 5 | 11 | 16 |
| Pennington County | 3 | 11 | 14 |
| Shannon County | 1 | 0 | 1 |
| TOTAL SOUTH DAKOTA: 7 COUNTIES | 18 | 32 | 50 |
| TEXAS | | | |
| Pecos County | 1 | 0 | 1 |
| Reeves County | 1 | 0 | 1 |
| Ward County | 1 | 0 | 1 |
| TOTAL TEXAS: 3 COUNTIES | 3 | 0 | 3 |
| UTAH | | | |
| Carbon County | 0 | 2 | 2 |
| Duchesne County | 3 | 4 | 7 |
| Emery County | 2 | 3 | 5 |
| Grand County | 4 | 5 | 9 |
| Kane County | 1 | 1 | 2 |
| San Juan County | 1 | 3 | 4 |
| Uintah County | 3 | 22 | 25 |
| Utah County | 1 | 0 | 1 |
| TOTAL UTAH: 8 COUNTIES | 15 | 40 | 55 |
| WYOMING | | | |
| Albany County | 2 | 2 | 4 |
| Converse County | 4 | 6 | 10 |
| Crook County | 1 | 0 | 1 |
| Fremont County | 23 | 53 | 76 |
| Goshen County | 5 | 6 | 11 |
| Laramie County | 3 | 0 | 3 |
| Natrona County | 1 | 0 | 1 |
| Platte County | 9 | 29 | 38 |
| Sublette County | 2 | 0 | 2 |
| Weston County | 1 | 0 | 1 |
| TOTAL WYOMING: 10 COUNTIES | 51 | 96 | 147 |
| TOTAL: 8 STATES | 315 | 494 | 809 |

Map 2. VSV Cumulative: Counties with Premises Quarantined April 29, 2015-present



Background

On April 29, 2015, the National Veterinary Services Laboratories (NVSL) in Ames, Iowa, confirmed a finding of vesicular stomatitis virus (VSV) infection (New Jersey serotype) on a premises in Grant County, New Mexico. One horse on the premises has met the case definition of infection with compatible clinical signs and a four-fold change in positive complement fixation antibody titers. This is the 2015 VSV index case for the United States.

On May 1, 2015, the National Veterinary Services Laboratories (NVSL), confirmed findings of vesicular stomatitis virus (VSV) infection (New Jersey serotype) on premises in Maricopa County, Arizona and Kane County, Utah. Three horses on two premises in Maricopa County, Arizona met the case definition of infection with compatible clinical signs and positive complement fixation antibody titers. One mule on a premises in Kane County, Utah met the case definition of infection with compatible clinical signs and positive virus isolation. The equids involved in the Kane County, Utah case had moved from Arizona just prior to identification of clinical signs. These are the 2015 VSV index cases for Arizona and Utah, respectively.

On May 18, 2015, the National Veterinary Services Laboratories in Ames, Iowa confirmed a finding of VSV infection (New Jersey serotype) on a premises in Pecos County, Texas. Two horses and a mule on the premises met case definition of infection with compatible clinical signs and positive complement fixation antibody titers. This is the 2015 index case of VSV for Texas.

On July 2, 2015, the National Veterinary Services Laboratories (NVSL) in Ames, Iowa confirmed findings of VSV infection (New Jersey serotype) on three (3) premises located in Colorado; one equine premises in Delta County, Colorado and two equine premises in Montrose County, Colorado. Two horses and two mules on the three premises met case definition of infection with compatible clinical signs and positive complement fixation antibody titers. These are the 2015 index cases of VSV for Colorado.

As of July 7, 2015, all VSV-affected premises were released from quarantine in Texas.

On July 22, 2015, the National Veterinary Services Laboratories (NVSL) in Ames, Iowa confirmed a finding of vesicular stomatitis virus (VSV) infection (New Jersey serotype) from a premises in Laramie County, Wyoming. One horse from the premises has met the case definition of infection with compatible clinical signs and positive virus isolation. This is the 2015 VSV index case for Wyoming.

On July 30, 2015, the National Veterinary Services Laboratories (NVSL) in Ames, Iowa confirmed a finding of vesicular stomatitis virus (VSV) infection (New Jersey serotype) from a premises in Pennington County, South Dakota. Two horses from the premises met the case definition of infection with compatible clinical signs and positive complement fixation antibody titers. This is the 2015 VSV index case for South Dakota.

Although all VSV-affected premises had initially been released from quarantine in Utah as of May 14, 2015, on August 3, 2015, the National Veterinary Services Laboratories (NVSL) on Plum Island, NY subsequently confirmed a finding of vesicular stomatitis virus (VSV) infection (New Jersey serotype) from a cattle premises in San Juan County, Utah. One Jersey cow from the premises met the case definition of infection with compatible clinical signs and positive virus isolation. Based on this confirmation, Utah was added back to the list of currently VSV-affected states.

On September 10, 2015, the National Veterinary Services Laboratories in Ames Iowa confirmed a finding of vesicular stomatitis virus (VSV) infection (New Jersey serotype) from a premises in Scotts Bluff County, Nebraska. Three horses from the premises have met the case definition of infection with compatible clinical signs and positive virus isolation. This is the 2015 VSV index case for Nebraska.

Although all VSV-affected premises had initially been released from quarantine in Arizona as of July 15, 2015, on September 14, 2015, the National Veterinary Services Laboratories (NVSL) in Ames, Iowa subsequently confirmed a finding of vesicular stomatitis virus (VSV) infection (New Jersey serotype) from an equine premises in Apache County, Arizona. One horse from the premises met the case definition of infection with compatible clinical signs and positive complement fixation antibody titer. Based on this confirmation, Arizona was added back to the list of currently VSV-affected states.

As of September 18, 2015, all VSV-affected premises were released from quarantine in Arizona.