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# 2015 Vesicular Stomatitis Virus (VSV) Situation Report – August 26, 2015

Information current as of 10:00 am MDT, 08/26/2015

*Updated information in blue ink*

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## ***Critical New Information***

- **Sixty-two (62)** new VSV-confirmed (New Jersey serotype) and/or suspect premises have been identified and quarantined since the last situation report (8/19/15).
- **Newly affected counties** have been identified in:
  - **Colorado** (Boulder County, Ouray County, Pueblo County, Rio Grande County),
  - **New Mexico** (Bernalillo County)
  - **South Dakota** (Fall River County)
  - **Wyoming** (Albany County, Sublette County).
- Since the start of the outbreak, **three hundred thirty-four (334)** VSV-affected premises (New Jersey serotype) have been identified and quarantined in 7 states (Arizona, Colorado, New Mexico, South Dakota, Texas, Utah, and Wyoming).
- Currently, there are **one hundred twenty-eight (128)** affected premises remaining under quarantine in 5 states (Colorado, New Mexico, South Dakota, Utah, and Wyoming).

## ***Summary of the Outbreak***

The 2015 VSV outbreak in the United States began April 29, 2015. To date, a total of **three hundred thirty-four (334)** VSV-affected premises (New Jersey serotype) have been confirmed or suspected in seven (7) U.S. states; Arizona (35 premises in 2 counties), Colorado (**179** premises in **17** counties), New Mexico (**44** premises in **12** counties), South Dakota (**24** premises in **5** counties), Texas (3 premises in 3 counties), Utah (**13** premises in 3 counties), and Wyoming (**36** premises in **5** counties). Currently, there are **128** premises remaining under quarantine in 5 states (Colorado, New Mexico, South Dakota, Utah, and Wyoming).

## ***New Confirmed/Suspect Premises***

Since the last situation report (8/19/15), the following **sixty-two (62) new VSV-confirmed (New Jersey serotype) and/or suspect premises** have been identified and quarantined:

Colorado [14 new confirmed (4 previously reported as suspect), 12 new suspect premises]

- Archuleta County– 1 new confirmed positive premises
- Boulder County (new affected county) – 1 new confirmed positive premises
- Conejos County – 1 new suspect premises
- Delta County – 1 new confirmed positive premises
- Jefferson County – 1 new suspect premises
- La Plata County – 2 new suspect premises
- Larimer County –1 new confirmed positive, 2 new suspect premises
- Las Animas County – 1 new suspect premises
- Mesa County – 3 new confirmed positive, 1 new suspect premises
- Montrose County – 2 new confirmed positive, 2 new suspect premises
- Ouray County (new affected county) – 1 new confirmed, 1 new suspect premises
- Pueblo County (new affected county) – 1 new confirmed positive premises
- Rio Grande County (new affected county) – 3 new confirmed, 1 new suspect premises

New Mexico [1 new confirmed , 8 new suspect premises]

- Bernalillo County (new affected county) – 1 new suspect premises
- Eddy County – 1 new suspect premises
- Sandoval County – 1 new suspect premises
- San Juan County – 1 new confirmed positive, 5 new suspect premises

South Dakota (7 new suspect premises)

- Custer County – 1 new suspect premises
- Fall River (new affected county) – 1 new suspect premises
- Lawrence County – 1 new suspect premises
- Meade County – 1 new suspect premises
- Pennington County – 3 new suspect premises

Utah (5 new suspect premises)

- Grand County – 4 new suspect premises
- San Juan County – 1 new suspect premises

Wyoming [5 new confirmed (1 previously reported as suspect), 10 new suspect premises]

- Albany County (new affected county) – 1 new confirmed positive premises
- Goshen County – 1 new suspect premises
- Platte County – 2 new confirmed, 9 new suspect premises
- Sublette County (new affected county) – 2 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 (8/19/15), the following [sixty-seven \(67\)](#) premises have been **released from quarantine**:

### Colorado ([41](#) premises released)

- Archuleta County – [1](#) premises released
- Conejos County – [1](#) premises released
- Delta County – [8](#) premises released
- La Plata County – [3](#) premises released
- Larimer County – [9](#) premises released
- Mesa County – [3](#) premises released
- Montezuma County – [3](#) premises released
- Montrose County – [12](#) premises released
- Weld County – [1](#) premises released

### New Mexico ([11](#) premises released)

- Rio Arriba County – [2](#) premises released
- San Juan County – [8](#) premises released
- Santa Fe County – [1](#) premises released

### South Dakota ([6](#) premises released)

- Custer County – [1](#) premises released
- Meade County – [5](#) premises released

### Utah ([1](#) premises released)

- San Juan County – [1](#) premises released

### Wyoming ([8](#) premises released)

- Goshen County – [2](#) premises released
- Platte County – [6](#) premises released

## VSV Current Premises

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

	New Premises 8/19- 8/25/15 Confirmed (Suspect)	Total Current Premises last report	VSV Premises Released 8/19 – 8/25/15	Total Current Premises
<b>COLORADO</b>				
Archuleta County	1	4	1	4
Boulder County	1	0	0	1
Conejos County	0 (1)	2	1	2
Delta County	1*	16	8	8
Gunnison County	0	1	0	1
Jefferson County	0 (1)	1	0	2
La Plata County	0 (2)	6	3	5
Larimer County	1* (2)	23	9	16
Las Animas County	0 (1)	0	0	1
Mesa County	3* (1)	11	3	11
Montezuma County	0	5	3	2
Montrose County	2* (2)	17	12	8
Ouray County	1 (1)	0	0	2
Pueblo County	1	0	0	1
Rio Grande County	3 (1)	0	0	4
Weld County	0	4**	1	3
<b>TOTAL COLORADO</b>	<b>14* (12)</b>	<b>90**</b>	<b>41</b>	<b>71</b>
<b>NEW MEXICO</b>				
Bernalillo County	0 (1)	0	0	1
Eddy County	0 (1)	0	0	1
Rio Arriba County	0	2	2	0
Sandoval County	0 (1)	0	0	1
San Juan County	1 (5)	13	8	11
Santa Fe County	0	1	1	0
<b>TOTAL NEW MEXICO</b>	<b>1 (8)</b>	<b>16</b>	<b>11</b>	<b>14</b>
<b>SOUTH DAKOTA</b>				
Custer County	0 (1)	1	1	1
Fall River County	0 (1)	0	0	1
Lawrence County	0 (1)	1	0	2
Meade County	0 (1)	8	5	4
Pennington County	0 (3)	1	0	4
<b>TOTAL SOUTH DAKOTA</b>	<b>0 (7)</b>	<b>11</b>	<b>6</b>	<b>12</b>
<b>UTAH</b>				
Grand County	0 (4)	2	0	6
San Juan County	0 (1)	1	1	1
<b>TOTAL UTAH</b>	<b>0 (5)</b>	<b>3</b>	<b>1</b>	<b>7</b>
<b>WYOMING</b>				
Albany County	1	0	0	1
Goshen County	0 (1)	2	2	1
Laramie County	0	2	0	2
Platte County	2* (9)	15	6	18
Sublette County	2	0	0	2
<b>TOTAL WYOMING</b>	<b>5* (10)</b>	<b>19</b>	<b>8</b>	<b>24</b>
<b>TOTAL: 5 STATES w/ current quarantines</b>	<b>20* (42)</b>	<b>139**</b>	<b>67</b>	<b>128</b>

\*Count contains premises previously reported as suspect that are now confirmed as VSV-positive.

\*\*Corrected from last report to reflect removal of suspect premises that have since been confirmed as VSV-negative.

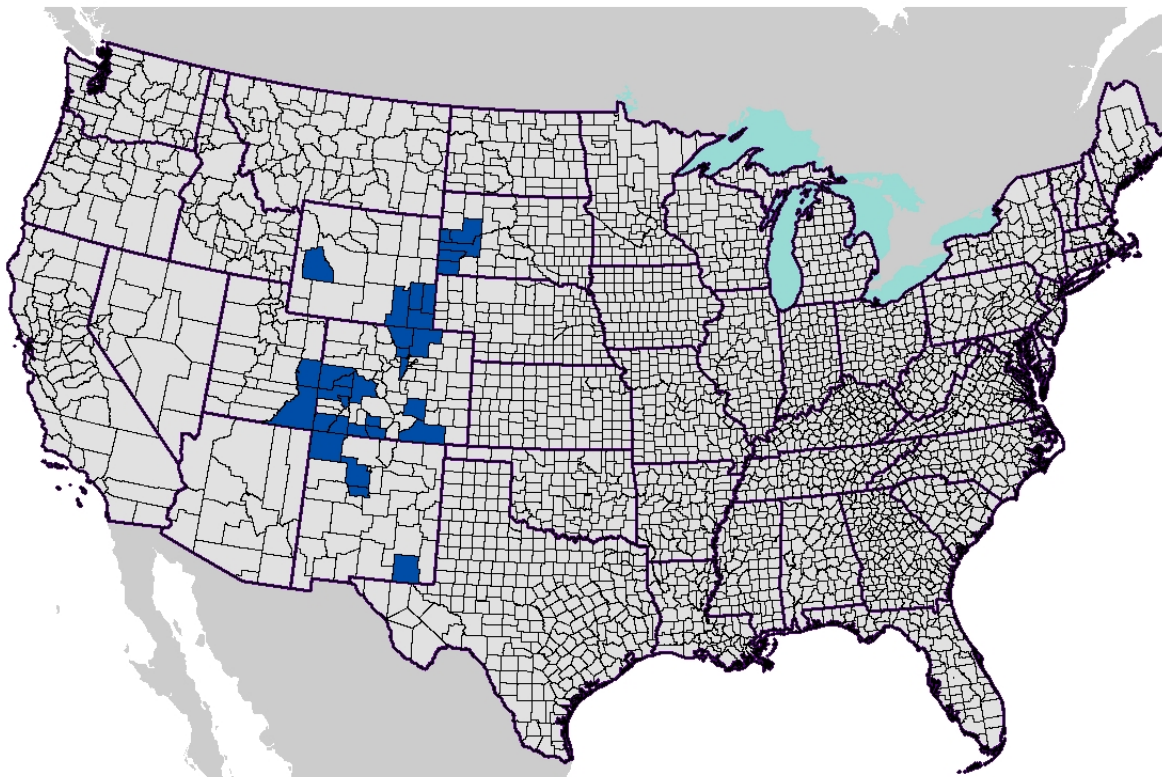
## VSV Cumulative Premises

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

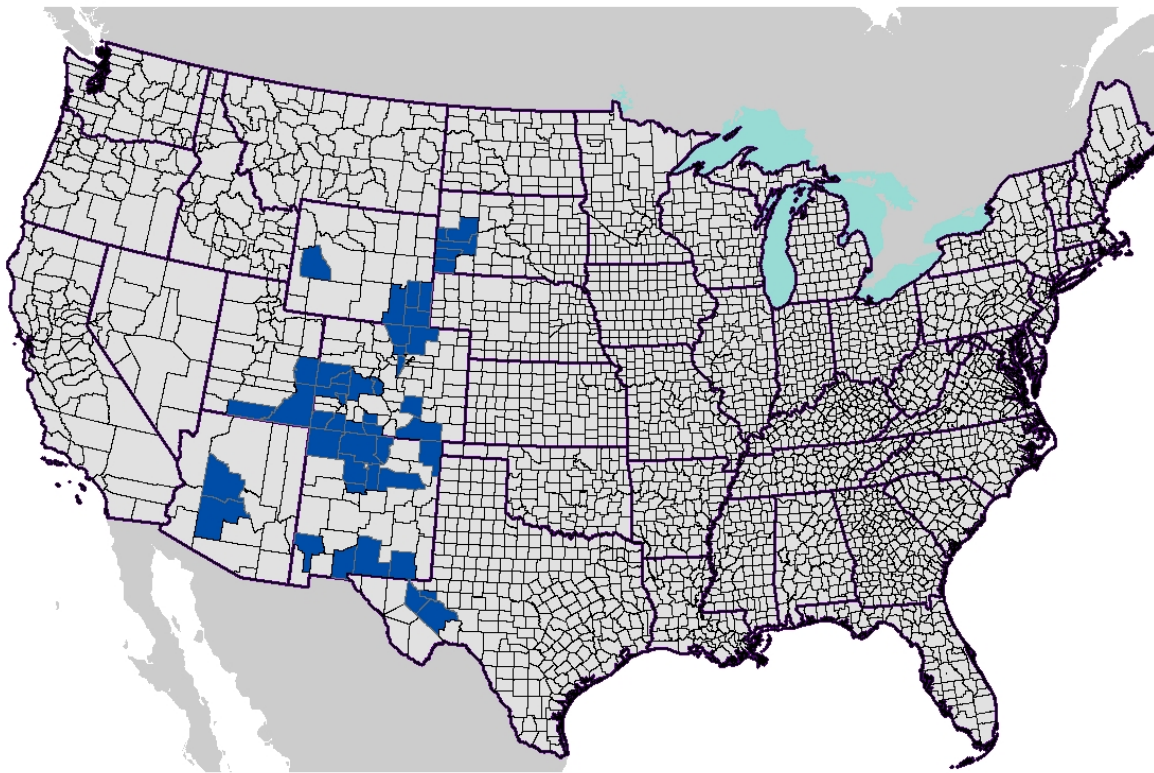
ARIZONA	Confirmed Positive Premises	Suspect Premises	Total Premises
Maricopa County	13	15	28
Yavapai County	0	7	7
<b>TOTAL ARIZONA: 2 COUNTIES</b>	<b>13</b>	<b>22</b>	<b>35</b>
<b>COLORADO</b>			
Archuleta County	7	4	11
Boulder County	1	0	1
Chaffee County	1	0	1
Conejos County	1	2	3
Delta County	10	26	36
Gunnison County	1	0	1
Jefferson County	1	1	2
La Plata County	3	10	13
Larimer County	7	29	36
Las Animas County	1	1	2
Mesa County	6	9	15
Montezuma County	3	8	11
Montrose County	10	26	36
Ouray County	1	1	2
Pueblo County	1	0	1
Rio Grande County	3	1	4
Weld County	1	3	4
<b>TOTAL COLORADO: 17 COUNTIES</b>	<b>58</b>	<b>121</b>	<b>179</b>
<b>NEW MEXICO</b>			
Bernalillo County	0	1	1
Dona Ana County	0	1	1
Eddy County	0	2	2
Grant County	3	0	3
Otero County	1	0	1
Rio Arriba County	0	2	2
Sandoval County	1	3	4
San Juan County	4	20	24
San Miguel County	1	1	2
Santa Fe County	1	1	2
Taos County	0	1	1
Union County	0	1	1
<b>TOTAL NEW MEXICO: 12 COUNTIES</b>	<b>11</b>	<b>33</b>	<b>44</b>
<b>SOUTH DAKOTA</b>			
Custer County	0	2	2
Fall River County	0	1	1
Lawrence County	0	2	2
Meade County	4	7	11
Pennington County	2	6	8
<b>TOTAL SOUTH DAKOTA: 5 COUNTIES</b>	<b>6</b>	<b>18</b>	<b>24</b>
<b>TEXAS</b>			
Pecos County	1	0	1
Reeves County	1	0	1
Ward County	1	0	1
<b>TOTAL TEXAS: 3 COUNTIES</b>	<b>3</b>	<b>0</b>	<b>3</b>

UTAH	Confirmed Positive Premises	Suspect Premises	Total Premises
Grand County	1	6	7
Kane County	1	1	2
San Juan County	1	3	4
<b>TOTAL UTAH: 3 COUNTIES</b>	<b>3</b>	<b>10</b>	<b>13</b>
<b>WYOMING</b>			
Albany County	1	0	1
Goshen County	2	4	6
Laramie County	3	0	3
Platte County	5	19	24
Sublette County	2	0	2
<b>TOTAL WYOMING: 5 COUNTIES</b>	<b>13</b>	<b>23</b>	<b>36</b>
<b>TOTAL: 7 STATES</b>	<b>107</b>	<b>227</b>	<b>334</b>

**Map 1. VSV Current: Counties with Current Premises Quarantined**



**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.

As of July 15, 2015, all VSV-affected premises were released from quarantine in Arizona.

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.