



2015 Vesicular Stomatitis Virus (VSV) Situation Report – August 5, 2015

Information current as of 12:00 pm MDT, 08/05/2015

Updated information in blue ink

Critical New Information

- **Return to positive state status (Utah):** On August 3, 2015, the National Veterinary Services Laboratories (NVSL) on Plum Island, NY 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 has been added back to the list of currently VSV-affected states. Additionally, horses on a second premises located in San Juan County, Utah are under quarantine and being investigated as suspect cases.
- **Newly affected counties** have been identified in Colorado (Chaffee County, Mesa County), New Mexico (Taos County, Union County), and South Dakota (Meade County).
- **As of July 15, 2015, all VSV-affected premises have been released from quarantine in Arizona.**

Summary of the Outbreak

The 2015 VSV outbreak in the United States began April 29, 2015. To date, a total of **one hundred sixty-four (164)** VSV-affected premises (New Jersey serotype) have been confirmed or suspected in seven (7) U.S. states; Arizona (35 premises in 2 counties), Colorado (**88** premises in **9** counties), New Mexico (**23** premises in **10** counties), South Dakota (**5** premises in **2** counties), Texas (3 premises in 3 counties), Utah (**4** premises in **2** counties), and Wyoming (**6** premises in 2 counties). **Currently, there are 75 premises remaining under quarantine in 5 states (Colorado, New Mexico, South Dakota, Utah, and Wyoming)**

New Confirmed/Suspect Premises

Since the last situation report (**7/31/15**), the following **new VSV-confirmed (New Jersey serotype) and/or suspect premises** have been identified and quarantined:

Colorado (**5** new confirmed, **18** new suspect premises)

- Archuleta County– **1 new confirmed positive premises, 2 new suspect premises**
- Chaffee County (new affected county) – **1 new confirmed positive premises**
- Delta County – **1 new confirmed positive premises, 2 new suspect premises**
- La Plata County – **3 new suspect premises**
- Larimer County – **1 new confirmed positive premises, 5 new suspect premises**

- Mesa County (new affected county) – 1 new confirmed positive premises, 2 new suspect premises
- Montrose County – 4 new suspect premises

New Mexico (7 new suspect premises)

- San Juan County – 5 new suspect premises
- Taos County (new affected county) – 1 new suspect premises
- Union County (new affected county) – 1 new suspect premises

South Dakota (2 new confirmed, 1 new suspect premises)

- Meade County (new affected county) – 2 new confirmed premises, 1 new suspect premises

Wyoming (1 new confirmed, 3 new suspect premises)

- Goshen County – 1 new confirmed premises (previously suspect), 3 new suspect premises

New Quarantine Releases

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

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 (7/31/15), the following premises have been **released from quarantine**:

Colorado (14 premises released)

- Archuleta County – 2 confirmed premises released
- Delta County – 1 confirmed and 4 suspect premises released
- La Plata County – 2 suspect premises released
- Larimer County – 2 confirmed premises released
- Montrose County – 3 suspect premises released

New Mexico (3 premises released)

- San Juan County – 2 suspect premises released
- San Miguel County – 1 confirmed premises released

Wyoming (1 premises released)

- Laramie County – 1 confirmed premises released

VSV Current Premises

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

	New Premises 7/31- 8/4/15 Confirmed (Suspect)	Total Current Premises last report	VSV Premises Released 7/31 – 8/4/15	Total Current Premises
COLORADO				
Archuleta County	1 (2)	4	2	5
Chaffee County	1	0	0	1
Delta County	1 (2)	12	5	10
La Plata County	0 (3)	4	2	5
Larimer County	1 (5)	7	2	11
Mesa County	1 (2)	0	0	3
Montezuma County	0	4	0	4
Montrose County	0 (4)	13	3	14
TOTAL COLORADO	5 (18)	44	14	53
NEW MEXICO				
San Juan County	0 (5)	4	2	7
San Miguel County	0	1	1	0
Santa Fe County	0	1	0	1
Taos County	0 (1)	0	0	1
Union County	0 (1)	0	0	1
TOTAL NEW MEXICO	0 (7)	6	3	10
SOUTH DAKOTA				
Meade County	2 (1)	0	0	3
Pennington County	2	2	0	2
TOTAL SOUTH DAKOTA	4 (1)	2	0	5
UTAH				
San Juan County	1 (1)	0	0	2
TOTAL UTAH	1 (1)	0	0	2
WYOMING				
Goshen County	1* (3)	2	0	5
Laramie County	0	1	1	0
TOTAL WYOMING	1* (3)	3	1	5
TOTAL: 5 STATES w/ current quarantines	11 (30)	55	18	75

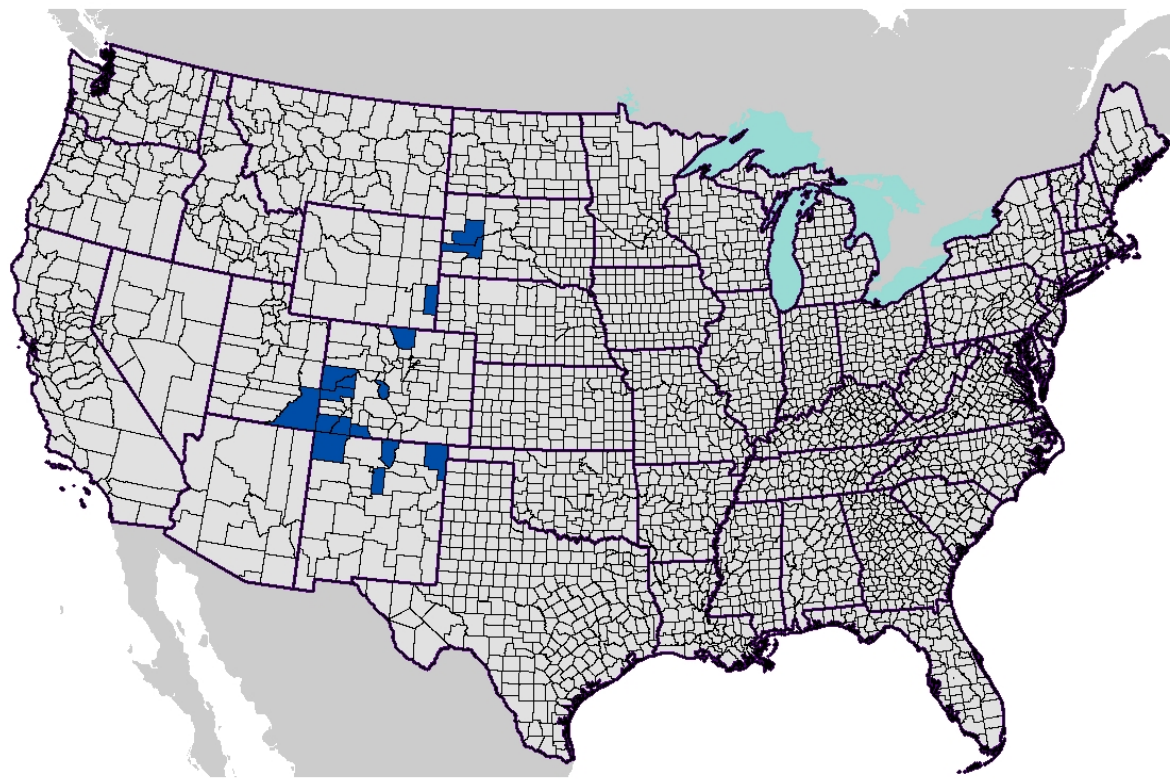
*Previously reported as suspect premises, now confirmed VSV-positive.

VSV Cumulative Premises

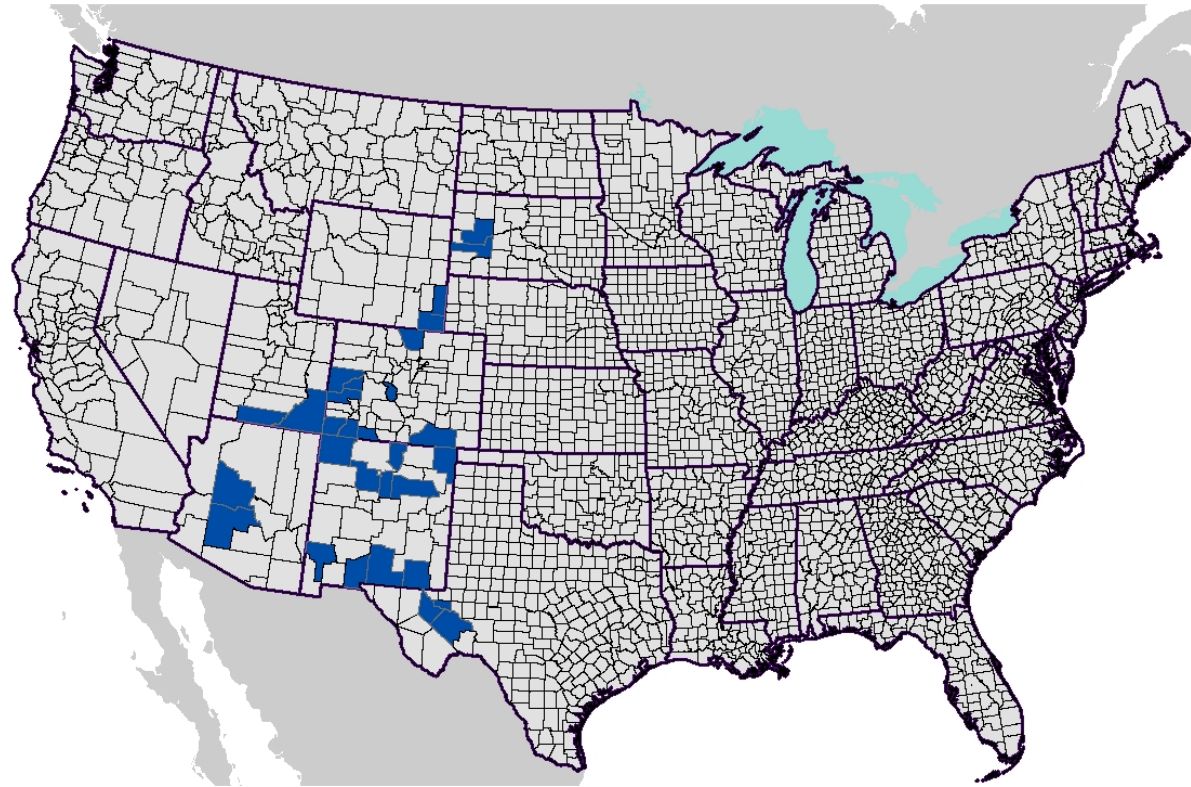
Table 2. Location and number of premises confirmed/suspect for VSV since April 29, 2015

ARIZONA	Confirmed Positive Premises	Suspect Premises	Total Premises
Maricopa County	13	15	28
Yavapai County	0	7	7
TOTAL ARIZONA: 2 COUNTIES	13	22	35
COLORADO			
Archuleta County	4	3	7
Chaffee County	1	0	1
Delta County	4	20	24
La Plata County	1	8	9
Larimer County	4	10	14
Las Animas County	1	0	1
Mesa County	1	2	3
Montezuma County	3	4	7
Montrose County	4	18	22
TOTAL COLORADO: 9 COUNTIES	23	65	88
NEW MEXICO			
Dona Ana County	0	1	1
Eddy County	0	1	1
Grant County	3	0	3
Otero County	1	0	1
Sandoval County	1	2	3
San Juan County	0	9	9
San Miguel County	1	1	2
Santa Fe County	0	1	1
Taos County	0	1	1
Union County	0	1	1
TOTAL NEW MEXICO: 10 COUNTIES	6	17	23
SOUTH DAKOTA			
Meade County	2	1	3
Pennington County	2	0	2
TOTAL SOUTH DAKOTA: 2 COUNTIES	4	1	5
TEXAS			
Pecos County	1	0	1
Reeves County	1	0	1
Ward County	1	0	1
TOTAL TEXAS: 3 COUNTIES	3	0	3
UTAH			
Kane County	1	1	2
San Juan County	1	1	2
TOTAL UTAH: 2 COUNTIES	2	2	4
WYOMING			
Goshen County	2	3	5
Laramie County	1	0	1
TOTAL WYOMING: 2 COUNTIES	3	3	6
TOTAL: 7 STATES	54	110	164

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.

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.