



2015 Vesicular Stomatitis Virus (VSV) Situation Report – September 16, 2015

Information current as of 5:00 pm MDT, 09/15/2015

Updated information in blue ink

Critical New Information

- 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 has been added back to the list of currently VSV-affected states.**
- **Twenty-nine (29)** new VSV-confirmed (New Jersey serotype) and/or suspect premises have been identified and quarantined since the last situation report (9/11/15).
- In addition to Arizona, **newly affected counties** have been identified in:
 - **Utah** (Duchesne County)
 - **Wyoming** (Weston County)
- Since the start of the outbreak, **four hundred forty-six (446)** 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 **ninety (90)** affected premises remaining under quarantine in 7 states (**Arizona**, Colorado, Nebraska, 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 **four hundred forty-six (446)** VSV-affected premises (New Jersey serotype) have been confirmed or suspected in eight (8) U.S. states; Arizona (**36** premises in **3** counties), Colorado (**232** premises in 21 counties), Nebraska (**7** premises in 1 county), New Mexico (**47** premises in 12 counties), South Dakota (37 premises in 5 counties), Texas (3 premises in 3 counties), Utah (**22** premises in **5** counties), and Wyoming (**62** premises in **8** counties). Currently, there are **90** premises remaining under quarantine in 7 states (**Arizona**, Colorado, Nebraska, New Mexico, South Dakota, Utah, and Wyoming).

VSV Current Premises

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

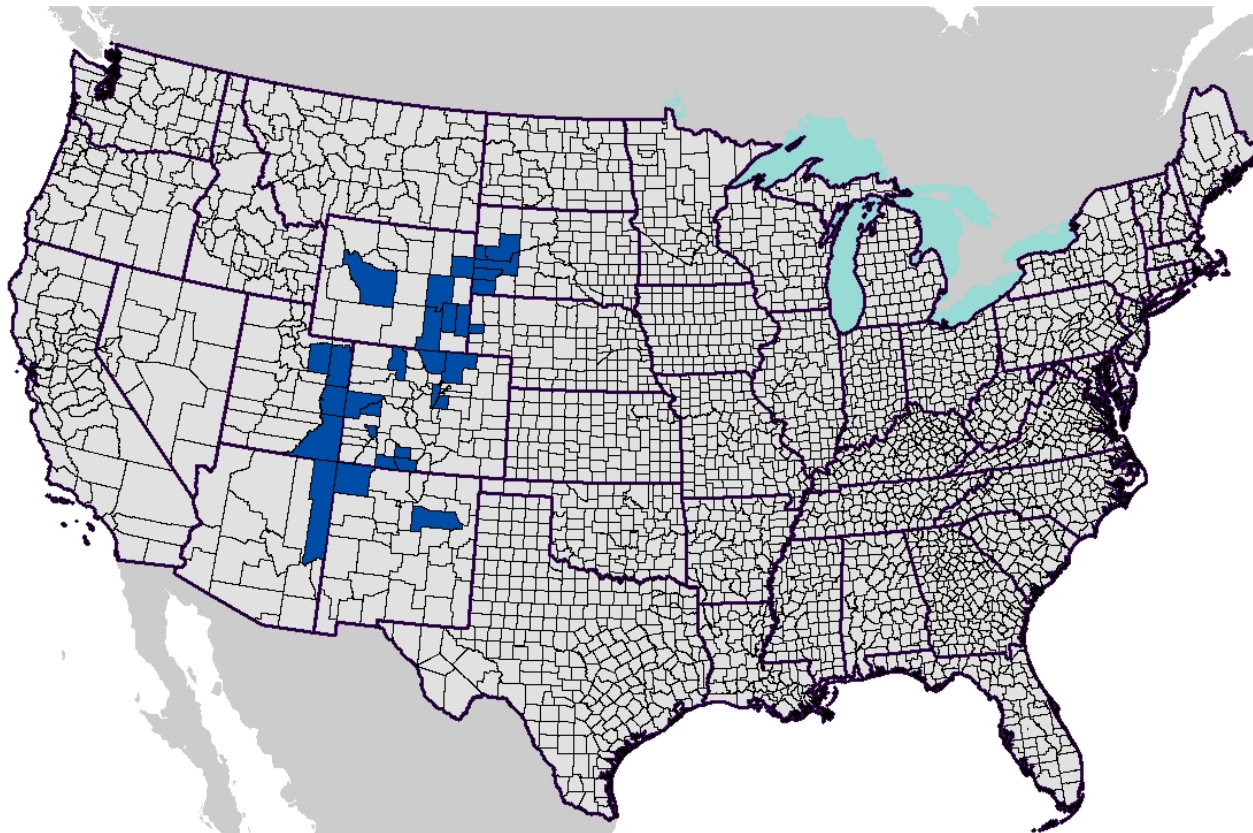
	New Premises 9/11- 9/15/15 Confirmed (Suspect)	Total Current Premises last report	VSV Premises Released 9/11 – 9/15/15	Total Current Premises
ARIZONA				
Apache County	1	0	0	1
TOTAL ARIZONA	1	0	0	1
COLORADO				
Archuleta County	0	2**	0	2
Conejos County	0	1	0	1
Delta County	0 (1)	2**	1	2
Douglas County	0	1	0	1
Jefferson County	0	4	2	2
La Plata County	0	1	1	0
Larimer County	2 (1)	5	1	7
Mesa County	1 (1)	21	9	14
Montrose County	0	4**	4	0
Ouray County	0	2**	1	1
Pueblo County	0	1	1	0
Rio Grande County	0	3	0	3
Routt County	0	1	0	1
Weld County	1 (1)	5	1	6
TOTAL COLORADO	4 (4)	53**	21	40
NEBRASKA				
Scotts Bluff County	2* (4)	2	0	7
TOTAL NEBRASKA	2* (4)	2	0	7
NEW MEXICO				
Rio Arriba County	0	1	1	0
San Juan County	0	4	1	3
San Miguel County	0 (1)	0	0	1
TOTAL NEW MEXICO	0 (1)	5	2	4
SOUTH DAKOTA				
Custer County	0	1	0	1
Fall River County	0	2	0	2
Lawrence County	0	3	1	2
Meade County	0	3	2	1
Pennington County	0	5	0	5
TOTAL SOUTH DAKOTA	0	14	3	11
UTAH				
Duchesne County	0 (2)	0	0	2
Grand County	0	3	2	1
San Juan County	0	1	0	1
Uintah County	0 (1)	4	0	5
TOTAL UTAH	0 (3)	8	2	9
WYOMING				
Albany County	0	1	0	1
Converse County	0 (8)	1	0	9
Fremont County	0	1	0	1
Goshen County	1	2	1	2
Platte County	0	14	10	4
Weston County	1	0	0	1
TOTAL WYOMING	2 (8)	19	11	18

	New Premises 9/11- 9/15/15 Confirmed (Suspect)	Total Current Premises last report	VSV Premises Released 9/11 – 9/15/15	Total Current Premises
TOTAL: 7 STATES w/ current quarantines	9* (20)	101**	39	90

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

**Corrected from last report.

Map 1. VSV Current: Counties with Current Premises Quarantined



New Confirmed/Suspect Premises

Since the last situation report (9/11/15), the following **twenty-nine (29) new VSV-confirmed (New Jersey serotype) and/or suspect premises** have been identified and quarantined:

Arizona (1 new confirmed premises)

- Apache County (new affected county) – 1 new confirmed positive premises

Colorado (4 new confirmed, 4 new suspect premises)

- Delta County – 1 new suspect premises
- Larimer County – 2 new confirmed positive, 1 suspect premises
- Mesa County – 1 new confirmed positive, 1 new suspect premises
- Weld County – 1 new confirmed positive, 1 suspect premises

Nebraska (2 new confirmed (1 previously reported suspect) , 4 new suspect premises)

- Scotts Bluff County – 2 new confirmed positive , 4 new suspect premises

Utah (3 new suspect premises)

- Duchesne County (new affected county) – 2 new suspect premises
- Uintah County – 1 new suspect premises

Wyoming (2 new confirmed, 8 new suspect premises)

- Converse County – 8 new suspect premises
- Goshen County – 1 new confirmed positive premises
- Weston County (new affected 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 (9/11/15), the following **thirty-nine (39)** premises have been **released from quarantine**:

Colorado (21 premises released)

- Delta County – 1 premises released
- Jefferson County – 2 premises released
- La Plata County – 1 premises released
- Larimer County – 1 premises released
- Mesa County – 9 premises released
- Montrose County – 4 premises released
- Ouray County – 1 premises released
- Pueblo County – 1 premises released
- Weld County – 1 premises released

New Mexico (2 premises released)

- Rio Arriba County – 1 premises released
- San Juan County – 1 premises released

South Dakota (3 premises released)

- Lawrence County – 1 premises released
- Meade County – 2 premises released

Utah (2 premises released)

- Grand County – 2 premises released

Wyoming (11 premises released)

- Goshen County – 1 premises released
- Platte County – 10 premises released

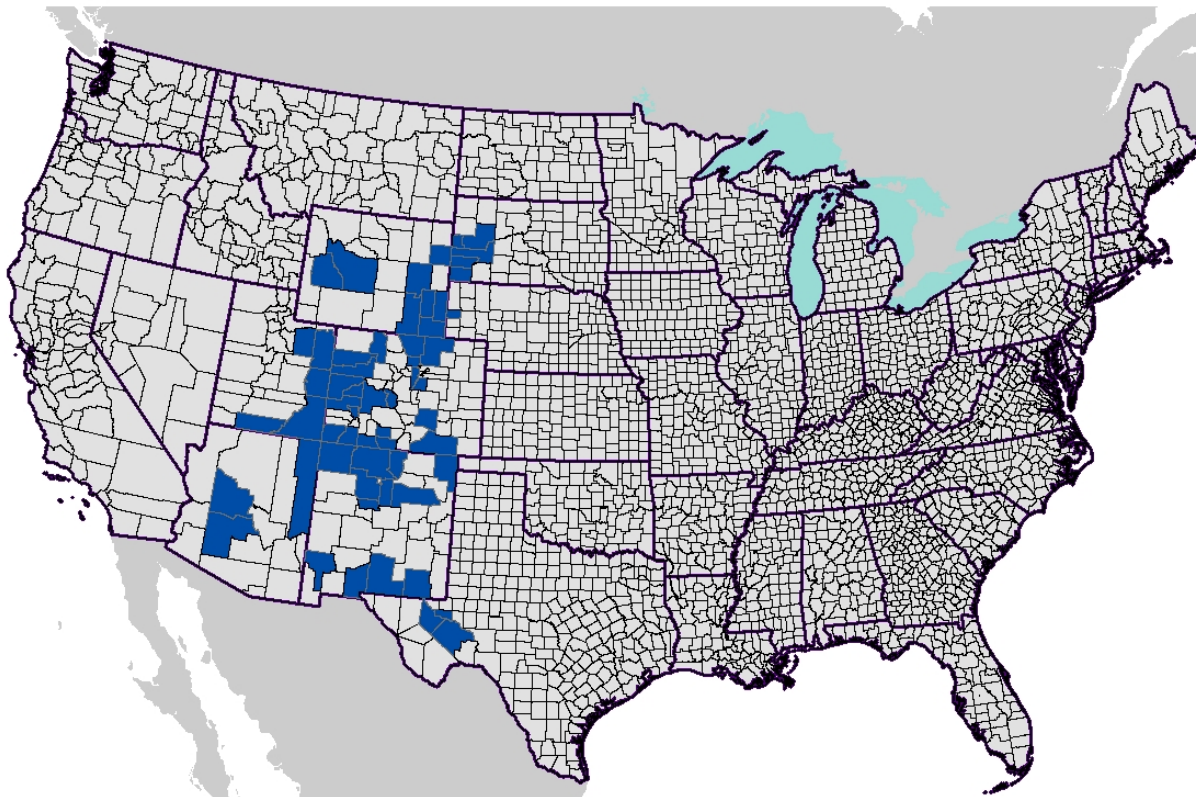
VSV Cumulative Premises

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			
Archuleta County	7	4	11
Boulder County	1	0	1
Chaffee County	1	0	1
Conejos County	3	1	4
Delta County	10	27	37
Douglas County	1	0	1
Garfield County	1	0	1
Gunnison County	1	0	1
Jefferson County	3	4	7
La Plata County	4	9	13
Larimer County	10	33	43
Las Animas County	1	1	2
Mesa County	15	24	39
Montezuma County	3	8	11
Montrose County	12	25	37
Ouray County	1	3	4
Pueblo County	1	0	1
Rio Blanco County	2	0	2
Rio Grande County	5	0	5
Routt County	1	0	1
Weld County	3	7	10
TOTAL COLORADO: 21 COUNTIES	86	146	232
NEBRASKA			
Scotts Bluff County	3	4	7
TOTAL NEBRASKA: 1 COUNTY	3	4	7
NEW MEXICO			
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	3	3
Sandoval County	1	3	4
San Juan County	4	21	25
San Miguel County	1	2	3
Santa Fe County	1	1	2
Taos County	0	1	1
Union County	0	1	1
TOTAL NEW MEXICO: 12 COUNTIES	11	36	47
SOUTH DAKOTA			
Custer County	0	4	4
Fall River County	2	1	3
Lawrence County	2	2	4

Meade County	4	10	14
Pennington County	3	9	12
TOTAL SOUTH DAKOTA: 5 COUNTIES	11	26	37
TEXAS			
Pecos County	1	0	1
Reeves County	1	0	1
Ward County	1	0	1
TOTAL TEXAS: 3 COUNTIES	3	0	3
UTAH			
Duchesne County	0	2	2
Grand County	4	5	9
Kane County	1	1	2
San Juan County	1	3	4
Uintah County	2	3	5
TOTAL UTAH: 5 COUNTIES	8	14	22
WYOMING			
Albany County	1	1	2
Converse County	1	8	9
Fremont County	0	1	1
Goshen County	3	5	8
Laramie County	3	0	3
Platte County	8	28	36
Sublette County	2	0	2
Weston County	1	0	1
TOTAL WYOMING: 8 COUNTIES	19	43	62
TOTAL: 8 STATES	155	291	446

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.