



2015 Vesicular Stomatitis Virus (VSV) Situation Report – October 7, 2015

Information current as of 5:00 pm MDT, 10/6/2015

Updated information in blue ink

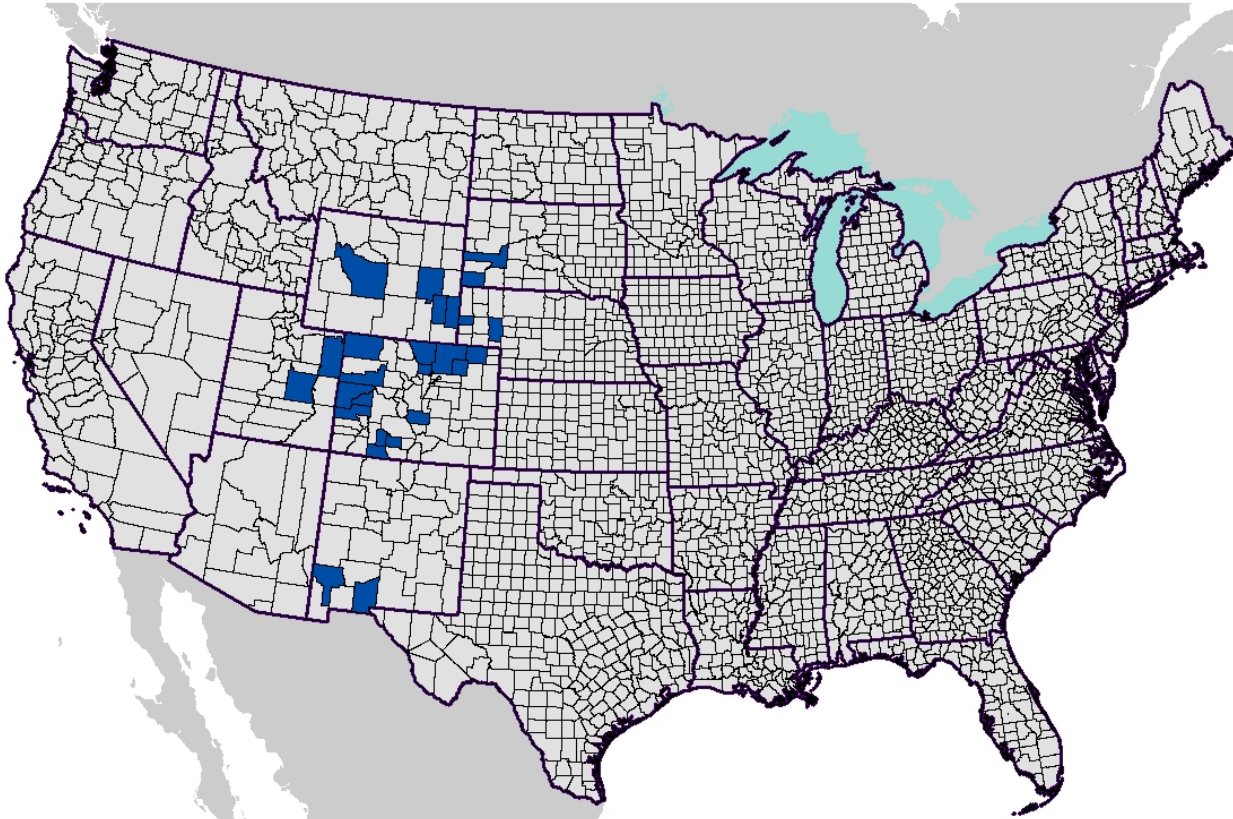
Critical New Information

- **Thirty-five (35)** new VSV-confirmed (New Jersey serotype) and/or suspect premises have been identified and quarantined since the last situation report (9/30/15).
- **Newly affected counties** have been identified in:
 - **Nebraska** (Garden County)
 - **Utah** (Emery County)
- Since the start of the outbreak, **five hundred fifty-seven (557)** 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-one (91)** affected premises remaining under quarantine in 6 states (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 **five hundred fifty-seven (557)** VSV-affected premises (New Jersey serotype) have been confirmed or suspected in eight (8) U.S. states; Arizona (36 premises in 3 counties), Colorado (**279** premises in 27 counties), Nebraska (**26** premises in **4** counties), New Mexico (**50** premises in 12 counties), South Dakota (44 premises in 5 counties), Texas (3 premises in 3 counties), Utah (**27** premises in **6** counties), and Wyoming (**92** premises in 9 counties). Currently, there are **91** premises remaining under quarantine in 6 states (Colorado, Nebraska, New Mexico, South Dakota, Utah, 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 9/30- 10/6/15 Confirmed (Suspect)	Total Current Premises last report	VSV Premises Released 9/30 – 10/6/15	Total Current Premises
Archuleta County	0	1	0	1
Boulder County	0	2	1	1
Delta County	0	3	1	2
Fremont County	0 (1)	4	0	5
Garfield County	1 (2)	1	0	4
Larimer County	1 (1)	2	2	2
Logan County	0	1	0	1
Mesa County	0	9	4	5
Mineral County	0	1	0	1
Moffat County	0	1	0	1
Montrose County	0	1	0	1
Morgan County	0	1	0	1
Rio Grande County	0	3	0	3
Washington County	0	1	1	0
Weld County	3* (1)	12	1	14
TOTAL COLORADO	5* (5)	43	10	42

	New Premises 9/30- 10/6/15 Confirmed (Suspect)	Total Current Premises last report	VSV Premises Released 9/30 – 10/6/15	Total Current Premises
NEBRASKA				
Garden County	1	0	0	1
Lincoln County	0	1	1	0
Scotts Bluff County	1* (4)	19	10	13
Sioux County	0	1	1	0
TOTAL NEBRASKA	2* (4)	21	12	14
NEW MEXICO				
Dona Ana County	0	1	0	1
Grant County	0 (2)	0	0	2
San Miguel County	0	1	1	0
TOTAL NEW MEXICO	0 (2)	2	1	3
SOUTH DAKOTA				
Custer County	0	1	1	0
Fall River County	0	3	2	1
Lawrence County	0	2	2	0
Meade County	0	1	1	0
Pennington County	0	4	2	2
TOTAL SOUTH DAKOTA	0	11	8	3
UTAH				
Duchesne County	0	2	2	0
Emery County	0 (1)	0	0	1
Uintah County	0 (1)	0	0	1
TOTAL UTAH	0 (2)	2	2	2
WYOMING				
Albany County	0	2	2	0
Converse County	0	6	3	3
Fremont County	5* (9)	12**	3	21
Goshen County	1*	3	1	2
Platte County	0	1	0	1
TOTAL WYOMING	6* (9)	24**	9	27
TOTAL: 6 STATES w/ current quarantines	13* (22)	103**	42	91

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

** Corrected from previous report to reflect suspect premises released after testing VSV-negative.

New Confirmed/Suspect Premises

Since the last situation report (9/30/15), the following **thirty-five (35) new VSV-confirmed (New Jersey serotype) and/or suspect premises** have been identified and quarantined:

Colorado [**5 new confirmed (1 previously reported suspect), 5 new suspect premises**]

- Fremont County – 1 new suspect premises
- Garfield County – 1 new confirmed positive, 2 new suspect premises
- Larimer County – 1 new confirmed positive, 1 new suspect premises
- Weld County – 3 new confirmed positive, 1 new suspect premises

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

- Garden County (newly affected county) – 1 new confirmed positive premises
- Scotts Bluff County – 1 new confirmed positive , 4 new suspect premises

New Mexico (2 new suspect premises)

- Grant County – 2 new suspect premises

Utah (2 new suspect premises)

- Emery County (newly affected county) – 1 new suspect premises
- Uintah County – 1 new suspect premises

Wyoming [6 new confirmed (3 previously reported suspect), 9 new suspect premises]

- Fremont County – 5 new confirmed positive, 9 new suspect premises
- Goshen 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 (9/30/15), the following **forty-two (42)** premises have been **released from quarantine**:

Colorado (10 premises released)

- Boulder County – 1 premises released
- Delta County – 1 premises released
- Larimer County – 2 premises released
- Mesa County – 4 premises released
- Washington County – 1 premises released
- Weld County – 1 premises released

Nebraska (12 premises released)

- Lincoln County – 1 premises released
- Scotts Bluff County – 10 premises released
- Sioux County – 1 premises released

New Mexico (1 premises released)

- San Miguel County – 1 premises released

South Dakota (8 premises released)

- Custer County – 1 premises released
- Fall River County – 2 premises released
- Lawrence County – 2 premises released
- Meade County – 1 premises released
- Pennington County – 2 premises released

Utah (2 premises released)

- Duchesne County – 2 premises released

Wyoming (9 premises released)

- Albany County – 2 premises released
- Converse County – 3 premises released
- Fremont County – 3 premises released
- Goshen County – 1 premises released

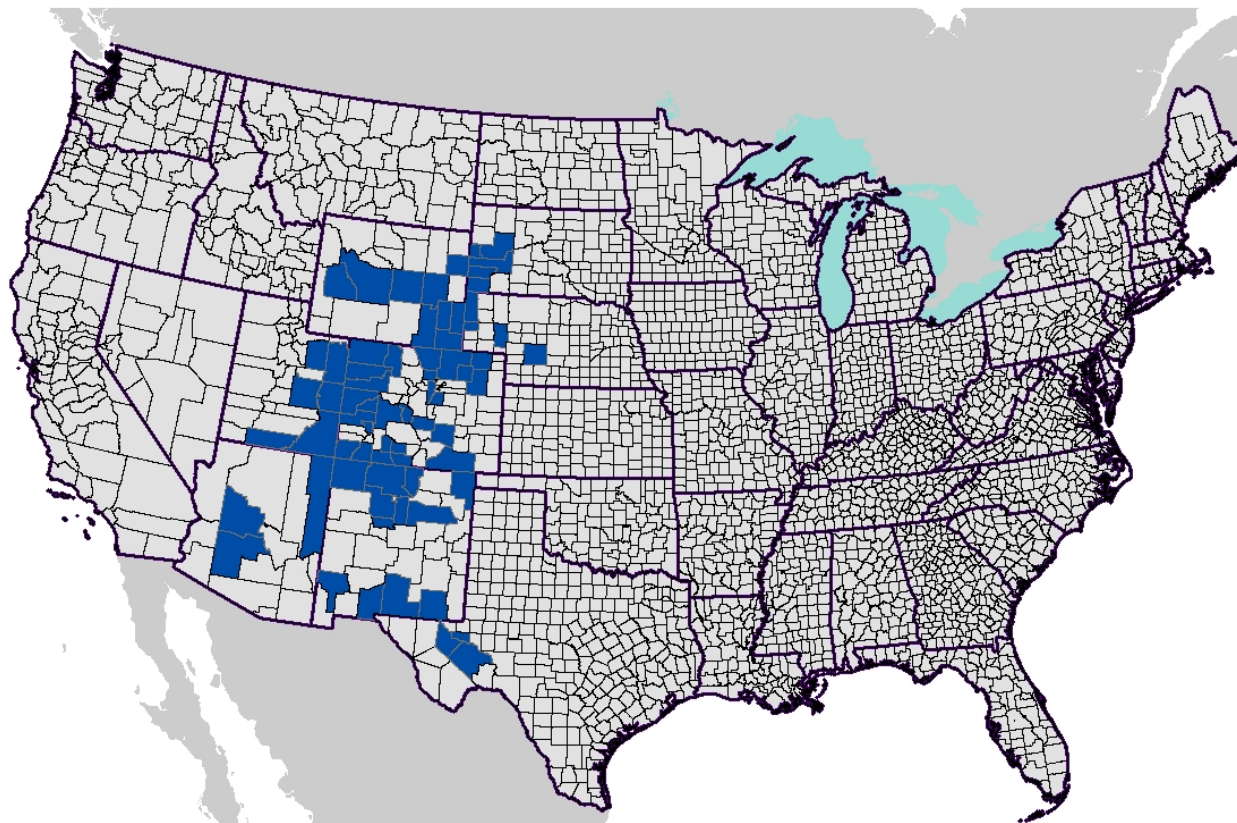
VSV Cumulative Premises

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	2	1	3
Chaffee County	1	0	1
Conejos County	3	1	4
Delta County	11	28	39
Douglas County	1	0	1
Fremont County	2	3	5
Garfield County	2	3	5
Gunnison County	1	0	1
Jefferson County	3	4	7
La Plata County	4	9	13
Larimer County	12	35	47
Las Animas County	1	1	2
Logan County	1	0	1
Mesa County	17	30	47
Mineral County	1	0	1
Moffat County	1	0	1
Montezuma County	3	8	11
Montrose County	12	26	38
Morgan County	1	0	1
Ouray County	1	3	4
Pueblo County	1	0	1
Rio Blanco County	2	0	2
Rio Grande County	5	1	6
Routt County	1	0	1
Washington County	1	0	1
Weld County	11	14	25
TOTAL COLORADO: 27 COUNTIES	108	171	279
NEBRASKA			
Garden County	1	0	1
Lincoln County	1	0	1
Scotts Bluff County	11	12	23
Sioux County	1	0	1
TOTAL NEBRASKA: 4 COUNTIES	14	12	26

NEW MEXICO	Confirmed Positive Premises	Suspect Premises	Total Premises
Bernalillo County	0	1	1
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
TOTAL NEW MEXICO: 12 COUNTIES	12	38	50
SOUTH DAKOTA			
Custer County	0	5	5
Fall River County	2	3	5
Lawrence County	3	2	5
Meade County	4	11	15
Pennington County	3	11	14
TOTAL SOUTH DAKOTA: 5 COUNTIES	12	32	44
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	1	2	3
Emery County	0	2	2
Grand County	4	5	9
Kane County	1	1	2
San Juan County	1	3	4
Uintah County	2	5	7
TOTAL UTAH: 6 COUNTIES	9	18	27
WYOMING			
Albany County	2	1	3
Converse County	4	6	10
Fremont County	8	17	25
Goshen County	4	6	10
Laramie County	3	0	3
Natrona County	1	0	1
Platte County	8	29	37
Sublette County	2	0	2
Weston County	1	0	1
TOTAL WYOMING: 9 COUNTIES	33	59	92
TOTAL: 8 STATES	205	352	557

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.