



2015 Vesicular Stomatitis Virus (VSV) Situation Report – December 9, 2015

Information current as of 10:00 am MDT, 12/9/2015

Updated information in blue ink

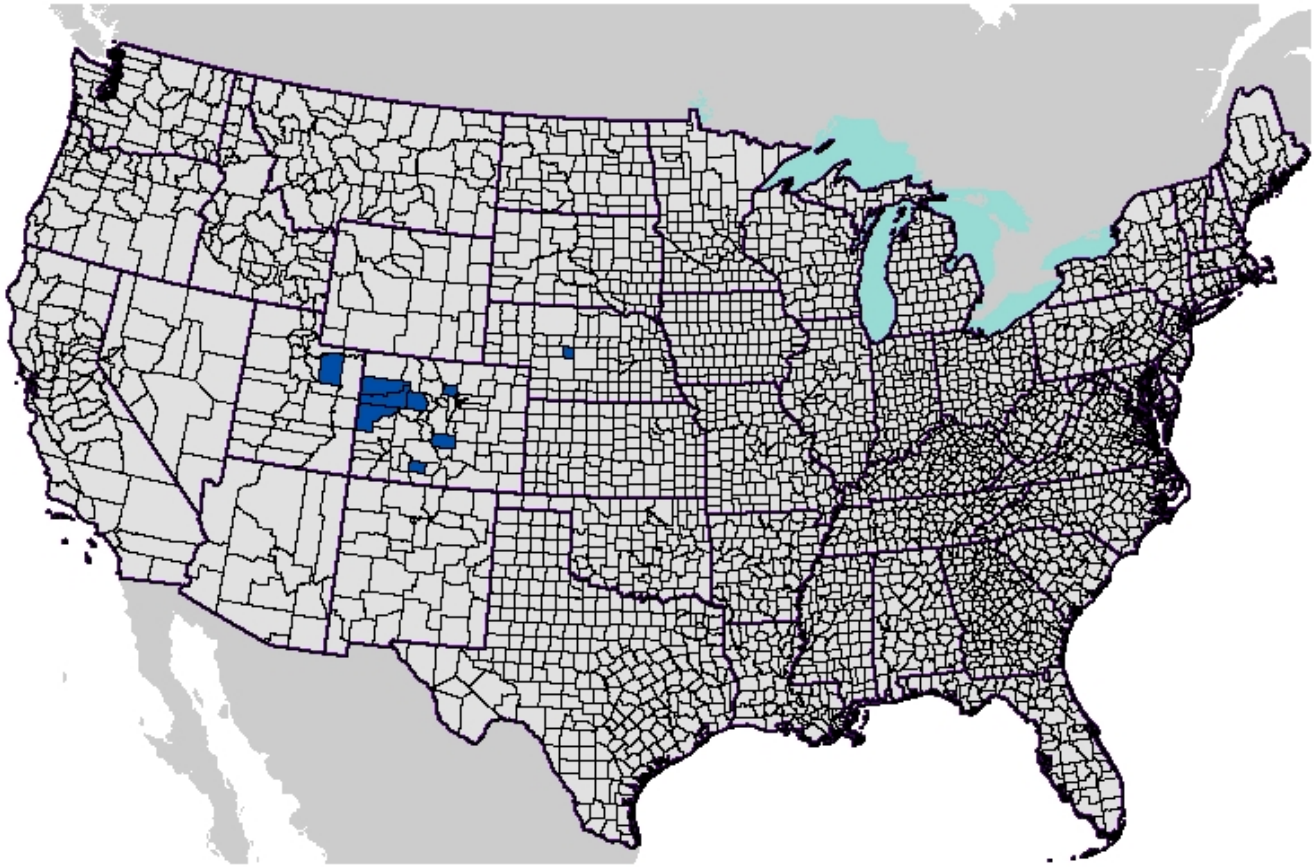
Critical New Information

- **Five (5)** new VSV-confirmed (New Jersey serotype) and/or suspect premises have been identified and quarantined since the last situation report (12/2/15).
- **Although Nebraska and Utah were reported last week to have had all affected premises released from quarantine, new confirmed cases were identified in both states this week.**
- Newly affected counties have been identified in:
 - **Nebraska** (Logan County)
- Since the start of the outbreak, **eight hundred fourteen (814)** 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 **fourteen (14)** affected premises remaining under VSV quarantine in 3 states (Colorado, **Nebraska, and Utah**).

Summary of the Outbreak

The 2015 VSV outbreak in the United States began April 29, 2015. To date, a total of **eight hundred fourteen (814)** VSV-affected premises (New Jersey serotype) have been confirmed or suspected in eight (8) U.S. states; Arizona (36 premises in 3 counties), Colorado (**432** premises in 35 counties), Nebraska (**38** premises in **10** counties), New Mexico (52 premises in 13 counties), South Dakota (50 premises in 7 counties), Texas (3 premises in 3 counties), Utah (**57** premises in 8 counties), and Wyoming (146 premises in 10 counties). Currently, there are **14** premises remaining under quarantine in **3** states (Colorado, **Nebraska, and Utah**).

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 12/3- 12/9/15 Confirmed (Suspect)	Total Current Premises last report	VSV Premises Released 12/3 – 12/9/15	Total Current Premises
Boulder County	1	0	0	1
Delta County	0	1	1	0
Denver County	0	1	1	0
Eagle County	0	1	0	1
Elbert County	0	1	1	0
El Paso County	0	1	1	0
Fremont County	0	1	0	1
Garfield County	0	6	0	6
Mesa County	0	3	2	1
Rio Blanco County	1*	1	0	1
Rio Grande County	0	1	0	1
TOTAL COLORADO	2*	17	6	12

	New Premises 12/3- 12/9/15 Confirmed (Suspect)	Total Current Premises last report	VSV Premises Released 12/3 – 12/9/15	Total Current Premises
NEBRASKA				
Logan County	1	0	0	1
TOTAL NEBRASKA	1	0	0	1
UTAH				
Duchesne County	1	0	0	1
Uintah County	1	0	1**	0
TOTAL UTAH	2	0	1**	1
TOTAL: 3 STATES w/ current quarantines	5*	17	7	14

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

** Premises released the same week as confirmed positive due to advanced age of the lesions in the affected animals.

New Confirmed/Suspect Premises

Since the last situation report (12/2/15), the following **five (5) new VSV-confirmed (New Jersey serotype) and/or suspect premises** were identified and quarantined:

Colorado [2 new confirmed premises (1 previously reported as suspect)]

- Boulder County –1 new confirmed positive premises
- Rio Blanco County – 1 new confirmed positive premises
-

Nebraska (1 new confirmed premises)

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

Utah (2 new confirmed premises)

- Duchesne County –1 new confirmed positive premises
- Uintah 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 (12/2/15), the following **seven (7) premises** have been **released from quarantine**:

Colorado (6 premises released)

- Delta County – 1 premises released
- Denver County – 1 premises released
- Elbert County – 1 premises released
- El Paso County – 1 premises released
- Mesa County – 2 premises released

Utah (1 premises released)

- Uintah County – 1 premises released

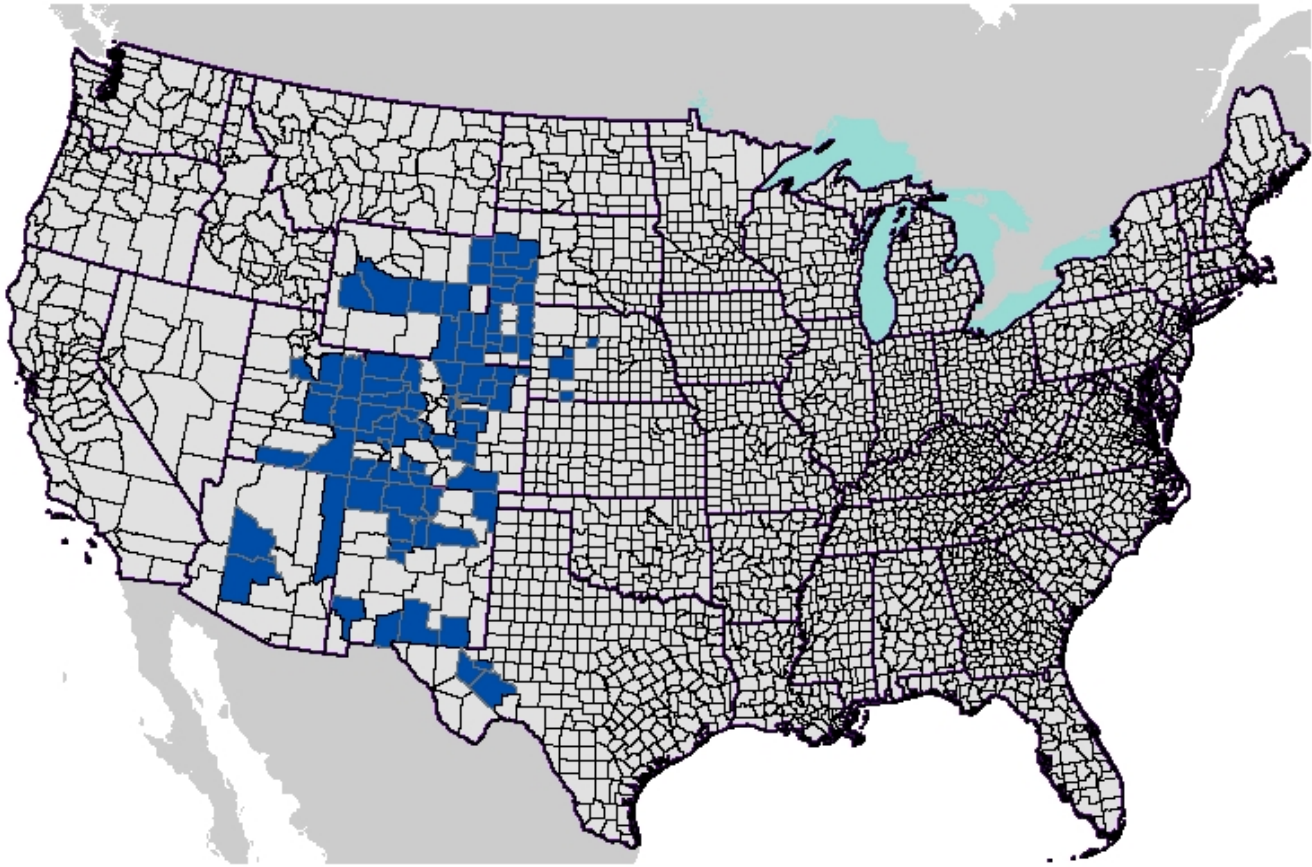
VSV Cumulative Premises

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			
Adams County	1	0	1
Archuleta County	7	4	11
Boulder County	4	2	6
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	15	14	29
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	3	0	3
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	182	250	432
NEBRASKA			
Banner County	1	0	1
Garden County	1	1	2
Lincoln County	2	0	2
Logan County	1	0	1
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: 10 COUNTIES	24	14	38

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	4	4	8
Emery County	2	3	5
Grand County	4	5	9
Kane County	1	1	2
San Juan County	1	3	4
Uintah County	4	22	26
Utah County	1	0	1
TOTAL UTAH: 8 COUNTIES	17	40	57
WYOMING			
Albany County	2	2	4
Converse County	4	6	10
Crook County	1	0	1
Fremont County	23	52	75
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	95	146
TOTAL: 8 STATES	321	493	814

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.

As of November 4, 2015, all VSV-affected premises were released from quarantine in New Mexico.

[As of November 20, 2015, all VSV-affected premises were released from quarantine in South Dakota.](#)