



2015 Vesicular Stomatitis Virus (VSV) Situation Report – October 28, 2015

Information current as of 5:00 pm MDT, 10/27/2015

Updated information in blue ink

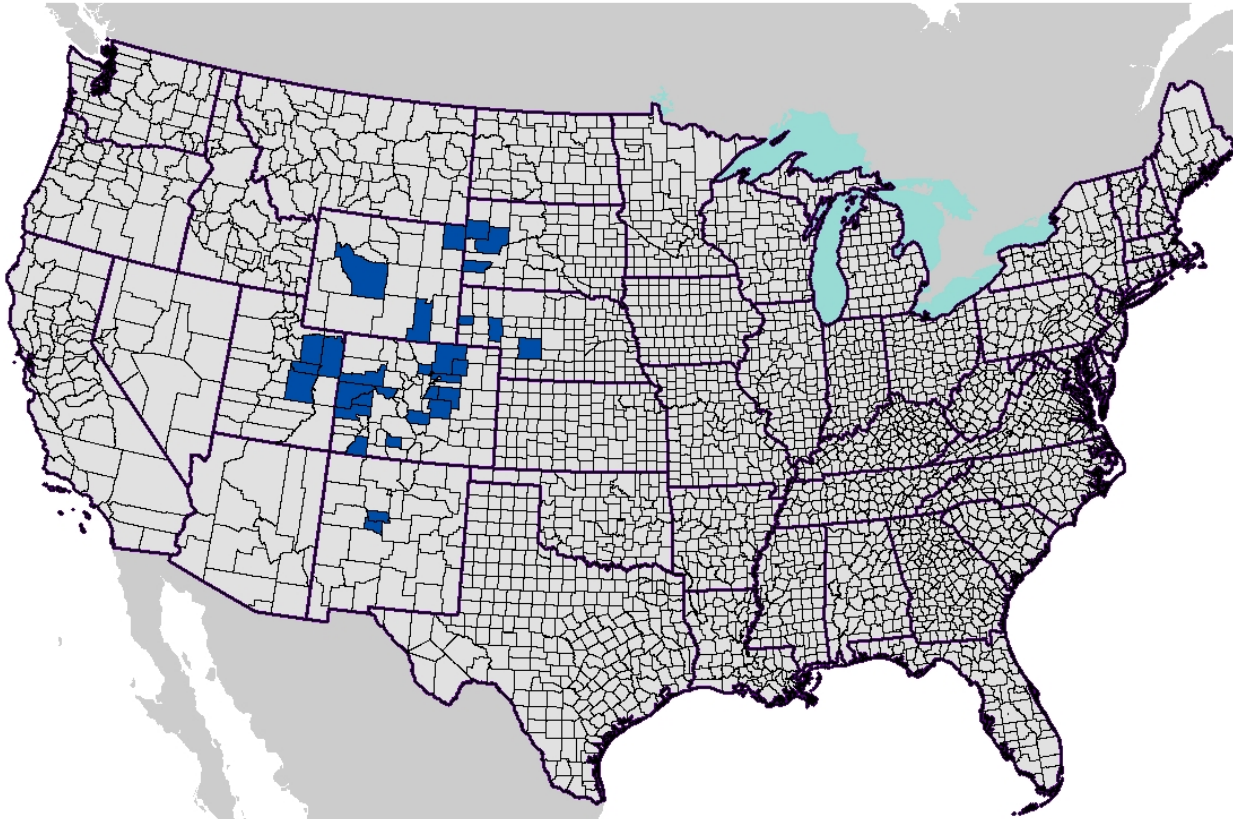
Critical New Information

- **Fifty-seven (57)** new VSV-confirmed (New Jersey serotype) and/or suspect premises have been identified and quarantined since the last situation report (10/21/15).
- **Newly affected counties** have been identified in:
 - **Colorado** (Pitkin County)
 - **South Dakota** (Butte County)
 - **Wyoming** (Crook County)
- Since the start of the outbreak, **seven hundred twenty-two (722)** 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 **one hundred thirty-one (131)** 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 **seven hundred twenty-two (722)** VSV-affected premises (New Jersey serotype) have been confirmed or suspected in eight (8) U.S. states; Arizona (36 premises in 3 counties), Colorado (**364** premises in **32** counties), Nebraska (**33** premises in 6 counties), New Mexico (52 premises in 13 counties), South Dakota (**48** premises in **7** counties), Texas (3 premises in 3 counties), Utah (**48** premises in 7 counties), and Wyoming (**138** premises in **10** counties). Currently, there are **131** 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 10/21- 10/27/15 Confirmed (Suspect)	Total Current Premises last report	VSV Premises Released 10/21 – 10/27/15	Total Current Premises
Adams County	0	1	0	1
Boulder County	0	2	1	1
Broomfield County	0	1	0	1
Delta County	0	1	0	1
Douglas County	1(1)	2	1	3
Elbert County	1	1	0	2
El Paso County	1 (10)	17	2	26
Fremont County	2 (3)	11	1	15
Garfield County	3 (4)	6	1	12
La Plata County	0	1	0	1
Larimer County	0 (1)	0	0	1
Mesa County	0	2	0	2
Montrose County	0	1	0	1
Morgan County	0	1	0	1
Pitkin County	1 (1)	0	0	2
Rio Grande County	0	3	1	2
Weld County	1 (4)	6	3	8
TOTAL COLORADO	10 (24)	56	10	80

	New Premises 10/21- 10/27/15 Confirmed (Suspect)	Total Current Premises last report	VSV Premises Released 10/21 – 10/27/15	Total Current Premises
NEBRASKA				
Garden County	0 (1)	0	0	1
Lincoln County	0	1	0	1
Morrill County	0	1	1	0
Scotts Bluff County	1 (1)	3	3	2
TOTAL NEBRASKA	1 (2)	5	4	4
NEW MEXICO				
Bernalillo County	0	1	0	1
Valencia County	0	1	0	1
TOTAL NEW MEXICO	0	2	0	2
SOUTH DAKOTA				
Butte County	0 (1)	0	0	1
Custer County	1*	1	0	1
Meade County	1	0	0	1
Shannon County	0	1	1	0
TOTAL SOUTH DAKOTA	2* (1)	2	1	3
UTAH				
Carbon County	0	2	0	2
Duchesne County	0 (2)	0	0	2
Emery County	0	4	3	1
Uintah County	0 (6)	8	3	11
TOTAL UTAH	0 (8)	14	6	16
WYOMING				
Albany County	0	1	0	1
Crook County	1	0	0	1
Fremont County	2 (6)	42	26	24
Goshen County	0	2	2	0
Platte County	0	1	1	0
TOTAL WYOMING	3 (6)	46	29	26
TOTAL: 6 STATES w/ current quarantines	16* (41)	125	50	131

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

New Confirmed/Suspect Premises

Since the last situation report (10/21/15), the following **fifty-seven (57) new VSV-confirmed (New Jersey serotype) and/or suspect premises** have been identified and quarantined:

Colorado (10 new confirmed, 24 new suspect premises)

- Douglas County – 1 new confirmed positive, 1 new suspect premises
- Elbert County – 1 new confirmed positive premises
- El Paso County – 1 new confirmed positive, 10 new suspect premises
- Fremont County – 2 new confirmed positive, 3 new suspect premises
- Garfield County – 3 new confirmed positive, 4 new suspect premises
- Larimer County – 1 new suspect premises
- Pitkin County (new affected county) – 1 new confirmed positive, 1 new suspect premises
- Weld County - 1 new confirmed positive, 4 new suspect premises

Nebraska (1 new confirmed, 2 new suspect premises)

- Garden County – 1 new suspect premises
- Scotts Bluff County – 1 new confirmed positive, 1 new suspect premises

South Dakota [2 new confirmed (1 previously reported suspect), 1 new suspect premises]

- Butte County (new affected county) – 1 new suspect premises
- Custer County – 1 new confirmed positive premises
- Meade County – 1 new confirmed positive premises

Utah (8 new suspect premises)

- Duchesne County – 2 new suspect premises
- Uintah County – 6 new suspect premises

Wyoming (3 new confirmed, 6 new suspect premises)

- Crook County (new affected county) – 1 new confirmed positive premises
- Fremont County – 2 new confirmed positive, 6 new suspect 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 (10/21/15), the following **fifty (50)** premises have been **released from quarantine**:

Colorado (10 premises released)

- Boulder County – 1 premises released
- Douglas County – 1 premises released
- El Paso County – 2 premises released
- Fremont County – 1 premises released
- Garfield County – 1 premises released
- Rio Grande County – 1 premises released
- Weld County – 3 premises released

Nebraska (4 premises released)

- Morrill County – 1 premises released
- Scotts Bluff County – 3 premises released

South Dakota (1 premises released)

- Shannon County – 1 premises released

Utah (6 premises released)

- Emery County – 3 premises released
- Uintah County – 3 premises released

Wyoming (29 premises released)

- Fremont County – 26 premises released

- Goshen County – 2 premises released
- Platte County – 1 premises released

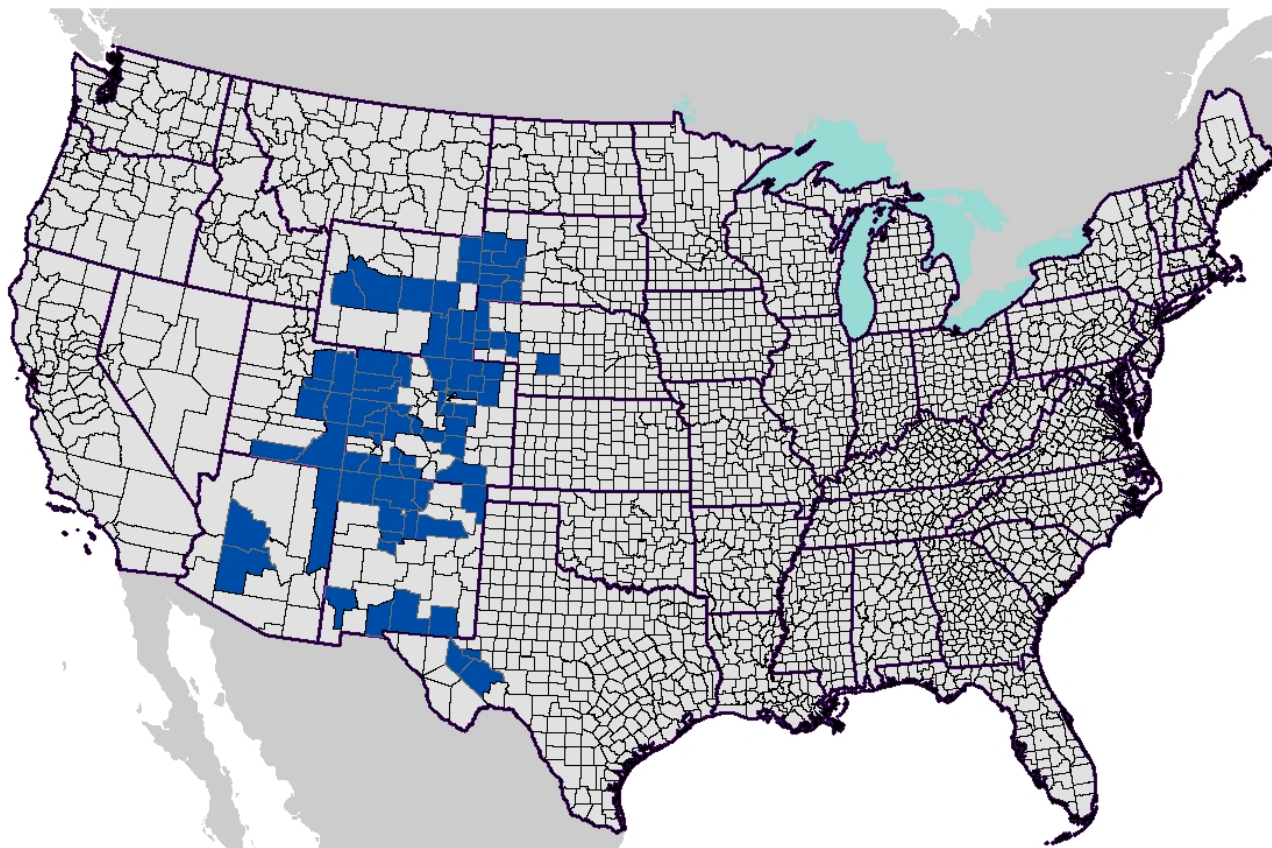
VSV Cumulative Premises

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	3	2	5
Broomfield County	1	0	1
Chaffee County	1	0	1
Conejos County	3	1	4
Delta County	11	29	40
Douglas County	4	2	6
Elbert County	2	0	2
El Paso County	13	16	29
Fremont County	8	14	22
Garfield County	8	10	18
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	19	30	49
Mineral County	1	0	1
Moffat County	1	0	1
Montezuma County	3	8	11
Montrose County	12	26	38
Morgan County	2	0	2
Ouray County	1	3	4
Pitkin County	1	1	2
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	13	19	32
TOTAL COLORADO: 32 COUNTIES	147	217	364
NEBRASKA			
Banner County	1	0	1
Garden County	1	1	2
Lincoln County	2	0	2
Morrill County	1	0	1
Scotts Bluff County	13	13	26
Sioux County	1	0	1
TOTAL NEBRASKA: 6 COUNTIES	19	14	33

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	2	3	5
Lawrence County	3	2	5
Meade County	5	11	16
Pennington County	3	11	14
Shannon County	1	0	1
TOTAL SOUTH DAKOTA: 7 COUNTIES	16	32	48
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	2	5	7
Emery County	2	3	5
Grand County	4	5	9
Kane County	1	1	2
San Juan County	1	3	4
Uintah County	3	16	19
TOTAL UTAH: 7 COUNTIES	13	35	48
WYOMING			
Albany County	2	2	4
Converse County	4	6	10
Crook County	1	0	1
Fremont County	22	46	68
Goshen County	5	6	11
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: 10 COUNTIES	49	89	138
TOTAL: 8 STATES	273	449	722

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.](#)