Animal and Plant Health Inspection Service

Veterinary Services

2015 Vesicular Stomatitis Virus (VSV) Situation Report – May 4, 2015

Information current as of 5:00 pm MDT, 05/3/2015

Updated information in blue ink

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. These are the 2015 VSV index cases for Arizona and Utah, respectively.

Additionally, a second premises in Kane County, Utah is under VSV quarantine related to the index case. The equids involved in the Kane County, Utah case had moved from Arizona just prior to identification of clinical signs. In addition to the two confirmed premises in Maricopa County, Arizona, there are five suspect premises in Arizona under movement control for suspicion of VSV.

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 (4/29/15), one premises in Grant County, New Mexico has been released from quarantine.

VSV Current Premises

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

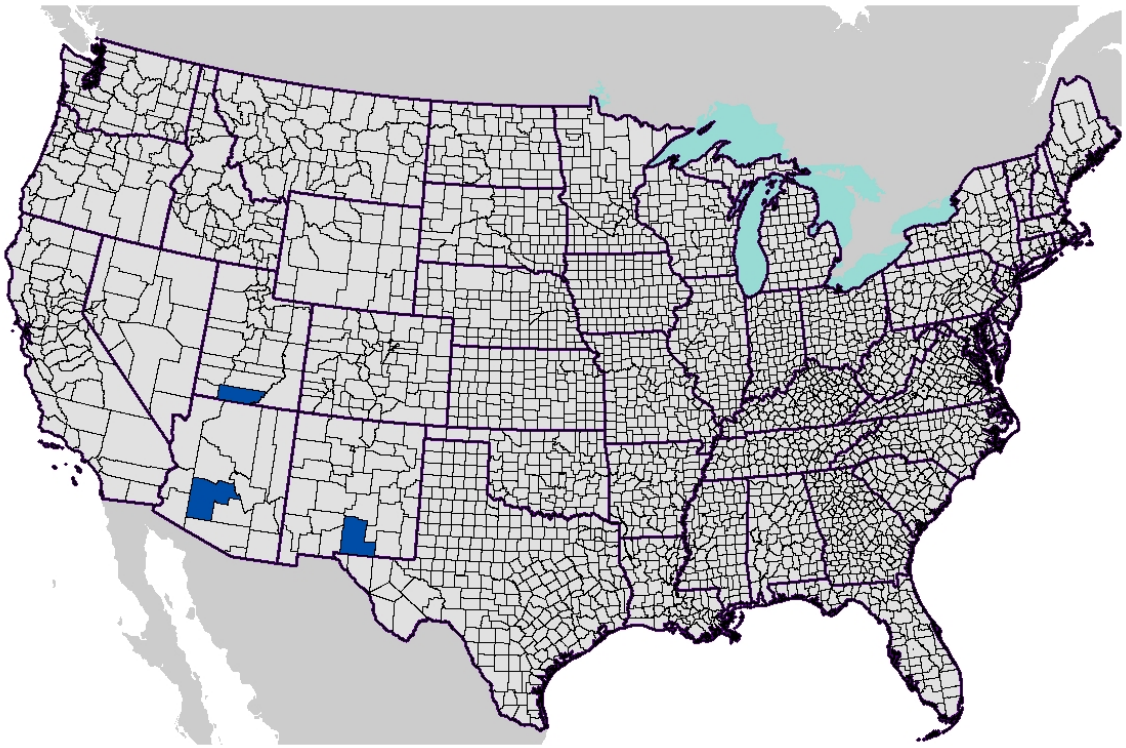
NEW MEXICO	New Premises 4/29-5/4/15 Confirmed (Suspect)	Total Current Premises last report	Premises Released 4/29-5/4/15	Total Current Premises
Grant County	0	1	1	0
Otero County	0	1	0	1
TOTAL NEW MEXICO:	**0**	**2**	**1**	**1**
ARIZONA				
Maricopa County	2 (5)	0	0	7
TOTAL ARIZONA:	**2 (5)**	**0**	**0**	**7**
UTAH				
Kane County	1 (1)	0	0	2
TOTAL UTAH	**1 (1)**	**0**	**0**	**2**
TOTAL: 3 STATES	**3 (6)**	**2**	**1**	**10**

VSV Cumulative Premises

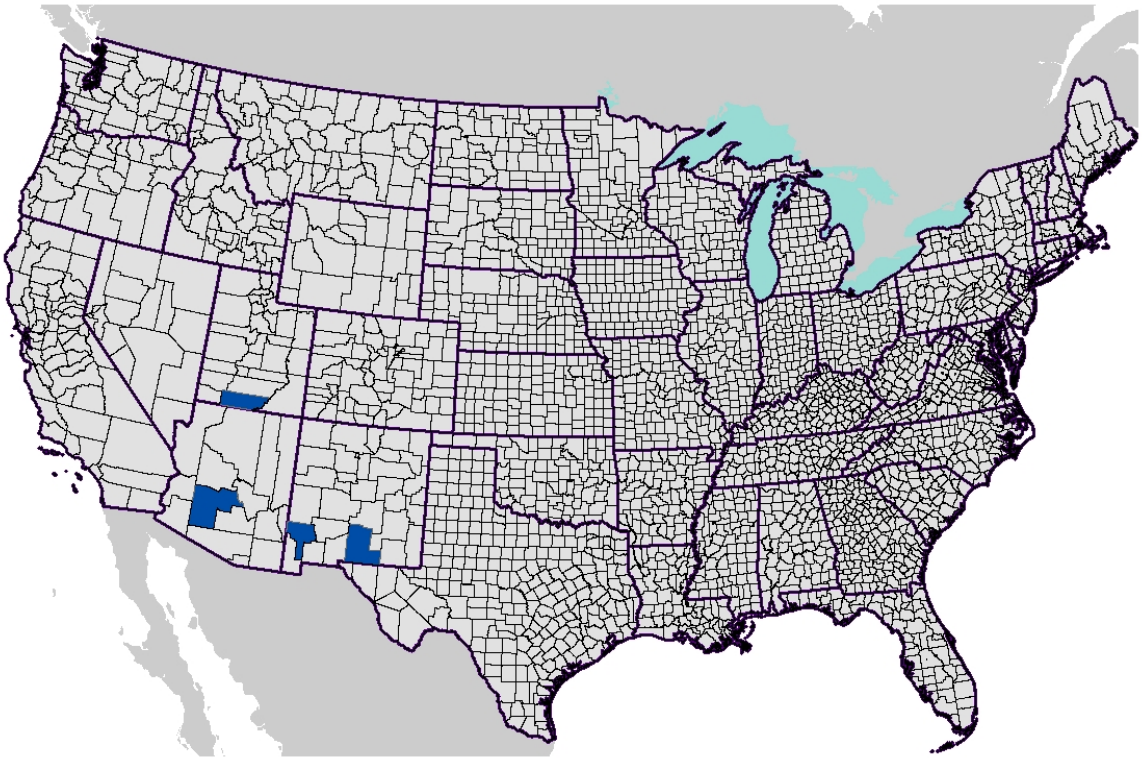
Table 2. Location and number of premises confirmed/suspect for VSV since April 29, 2015

NEW MEXICO	Confirmed Positive Premises	Suspect Premises	Total Premises
Grant County	1	0	1
Otero County	1	0	1
TOTAL NEW MEXICO: 2 COUNTIES	**2**	**0**	**2**
ARIZONA			
Maricopa County	2	5	7
TOTAL ARIZONA: 1 COUNTY	**2**	**5**	**7**
UTAH			
Kane County	1	1	2
TOTAL UTAH: 1 COUNTY	**1**	**1**	**2**
TOTAL: 3 STATES	**5**	**6**	**11**

Map 1. VSV: Current Premises Quarantined



Map 2. VSV: Cumulative Premises Quarantined Since April 29, 2015



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.