

Vesicular Stomatitis 2014
Situation Report – December 24, 2014

Information Current as of 12:00 pm MDT, December 23, 2014

(Updated information listed in blue ink)

New Information

Since the last situation report (12/17/2014), **no new confirmed VSV-positive premises have been identified.**

To date, a total of four hundred thirty-three (433) VSV-positive premises (New Jersey serotype) have been confirmed in three U.S. states; Colorado (370 premises), Nebraska (1 premises), and Texas (62 premises). There have been 17 counties affected in Colorado (Adams, Arapahoe, Boulder, Broomfield, Douglas, Elbert, El Paso, Fremont, Huerfano, Jefferson, Larimer, Logan, Morgan, Otero, Pueblo, Sedgwick, and Weld Counties), 1 county affected in Nebraska (Wheeler County), and 13 counties affected in Texas (Bastrop, Falls, Guadalupe, Hidalgo, Jim Wells, Kinney, Lee, McLennan, Nueces, San Patricio, Travis, Val Verde, and Williamson Counties).

Of the 433 total VSV-positive premises, 403 have been positive equine premises, 27 have been positive bovine premises, and 3 premises have had both cattle and horses positive.

Positive premises are eligible for quarantine release 21 days after lesions have healed in all affected animals. **As of December 22, 2014, all confirmed VSV-positive premises in Nebraska have been released from quarantine.** To date, three hundred fifty-five (355) premises in Colorado have been released from quarantine and there are an additional **ten (10)** premises in Colorado on 21-day countdown to quarantine release. As of October 13, 2014, all confirmed VSV-positive premises in Texas were released from quarantine. **There are fifteen (15) confirmed VSV-positive premises remaining under quarantine in Colorado.**

Map Information

See adjoining maps for current and cumulative positive premises information

Current: Counties with Positive Premises Remaining Under Quarantine

Note: Does NOT include data from premises already released from quarantine. See Cumulative information section.

| STATE | COUNTY | PREMISES |
|--------------|----------|-----------|
| Colorado | Adams | 2 |
| | Elbert | 1 |
| | El Paso | 2 |
| | Fremont | 2 |
| | Larimer | 1 |
| | Morgan | 1 |
| | Otero | 5 |
| | Pueblo | 1 |
| TOTAL | 8 | 15 |

Current Statistics for Premises Remaining Under Quarantine

Note: Does NOT include data from premises already released from quarantine. See Cumulative Statistics.

| Current Positive Premises | Colorado | Nebraska | Texas | Total |
|--|-----------------|-----------------|--------------|--------------|
| Current Positive Premises Under Quarantine | 15 | 0 | 0 | 15 |
| Premises on 21-day Countdown to Quarantine Removal | 10 | 0 | 0 | 10 |
| Current Counties with Positive Premises | 8 | 0 | 0 | 8 |

| Current Positive Species | Colorado | Nebraska | Texas | Total |
|---------------------------------|-----------------|-----------------|--------------|--------------|
| Positive Equine Species | 16 | 0 | 0 | 16 |
| Positive Bovine Species | 7 | 0 | 0 | 7 |
| Positive Porcine Species | 0 | 0 | 0 | 0 |
| Positive Ovine Species | 0 | 0 | 0 | 0 |
| Positive Caprine Species | 0 | 0 | 0 | 0 |
| Positive Other Species | 0 | 0 | 0 | 0 |
| Total Positive Animals | 23 | 0 | 0 | 23 |

| Current Susceptible Species | Colorado | Nebraska | Texas | Total |
|------------------------------------|-----------------|-----------------|--------------|--------------|
| Susceptible Equine Species | 181 | 0 | 0 | 181 |
| Susceptible Bovine Species | 4463 | 0 | 0 | 4463 |
| Susceptible Porcine Species | 3 | 0 | 0 | 3 |
| Susceptible Ovine Species | 60 | 0 | 0 | 60 |
| Susceptible Caprine Species | 24 | 0 | 0 | 24 |
| Susceptible Other Species | 22 | 0 | 0 | 22 |
| Total Susceptible Animals | 4753 | 0 | 0 | 4753 |

*Current susceptible species counts include current positive cases.

Cumulative: Counties with Positive Premises (since the start of the outbreak)

| STATE | COUNTY | PREMISES |
|--------------|--------------|------------|
| Colorado | Adams | 17 |
| | Arapahoe | 3 |
| | Boulder | 76 |
| | Broomfield | 3 |
| | Douglas | 2 |
| | Elbert | 1 |
| | El Paso | 6 |
| | Fremont | 6 |
| | Huerfano | 1 |
| | Jefferson | 24 |
| | Larimer | 87 |
| | Logan | 5 |
| | Morgan | 6 |
| | Otero | 7 |
| | Pueblo | 28 |
| | Sedgwick | 1 |
| | Weld | 97 |
| Nebraska | Wheeler | 1* |
| Texas | Bastrop | 37 |
| | Falls | 1 |
| | Guadalupe | 1 |
| | Hidalgo | 2 |
| | Jim Wells | 1 |
| | Kinney | 1 |
| | Lee** | 1 |
| | McLennan | 1 |
| | Nueces | 2 |
| | San Patricio | 2 |
| | Travis | 10 |
| | Val Verde | 1 |
| | Williamson | 2 |
| TOTAL | 31 | 433 |

* A second epidemiologically-linked premises in Wheeler County also has cattle showing clinical signs of VSV and is being managed as a presumptive positive premises, although laboratory confirmation has not been performed.

**Horses in Lee County were confirmed to have been infected in Bastrop County, but were illegally moved.

Cumulative Statistics (for all premises since the start of the outbreak)

| Cumulative Positive Premises | Colorado | Nebraska | Texas | Total |
|--|-----------------|-----------------|--------------|--------------|
| Cumulative Positive Premises Quarantined | 370 | 1 | 62 | 433 |
| Cumulative Counties with Positive Premises | 17 | 1 | 13 | 31 |

| Cumulative Positive Species | Colorado | Nebraska | Texas | Total |
|------------------------------------|-----------------|-----------------|--------------|--------------|
| Positive Equine Species | 495 | 0 | 89 | 584 |
| Positive Bovine Species | 48 | 4 | 8 | 60 |
| Positive Porcine Species | 0 | 0 | 0 | 0 |
| Positive Ovine Species | 0 | 0 | 0 | 0 |
| Positive Caprine Species | 0 | 0 | 0 | 0 |
| Positive Other Species | 0 | 0 | 0 | 0 |
| Total Positive Animals | 543 | 4 | 97 | 644 |

| Cumulative Susceptible Species | Colorado | Nebraska | Texas | Total |
|---------------------------------------|-----------------|-----------------|--------------|--------------|
| Susceptible Equine Species | 3805 | 0 | 619 | 4424 |
| Susceptible Bovine Species | 6764 | 236 | 2023 | 9023 |
| Susceptible Porcine Species | 24 | 0 | 3 | 27 |
| Susceptible Ovine Species | 140 | 0 | 4 | 144 |
| Susceptible Caprine Species | 223 | 0 | 64 | 287 |
| Susceptible Other Species | 105 | 0 | 2 | 107 |
| Total Susceptible Animals | 11061 | 236 | 2715 | 14012 |

*Cumulative susceptible species counts include positive cases.

Background Information

On May 23, 2014, the National Veterinary Services Laboratories (NVSL) in Ames, Iowa, confirmed a finding of vesicular stomatitis virus (VSV) infection (New Jersey serotype) on an equine premises in Kinney County, Texas. Four affected horses on the premises met the case definition of infection with compatible clinical signs and either virus isolation or positive complement fixation antibody titers. This was the 2014 VSV index case for the nation.

On July 17, 2014, the National Veterinary Services Laboratories in Ames, Iowa, confirmed findings of vesicular stomatitis virus (VSV) infection (New Jersey serotype) on two (2) equine premises in Weld County, Colorado. These were the index cases for Colorado. Three affected horses on one premises and one affected horse on the other premises met the case definition of VSV infection with compatible clinical signs and either positive complement fixation antibody titers or positive virus isolation.

On October 13, 2014, the last confirmed VSV-positive premises in Texas was released from quarantine.

On November 22, 2014, the National Veterinary Services Laboratories' Foreign Animal Disease Diagnostic Laboratory on Plum Island, NY confirmed a finding of vesicular stomatitis virus (VSV) infection (New Jersey serotype) on a bovine premises in Wheeler County, Nebraska. Three (3) head of cattle on the premises met the case definition of infection with compatible clinical signs and positive complement fixation antibody titers. This is the 2014 VSV index case for Nebraska. A second epidemiologically-linked bovine premises in Wheeler County, NE also had cattle showing clinical signs and is being managed as a presumptive positive premises.