

Vesicular Stomatitis 2014

Situation Report – October 22, 2014

Information Current as of 5:00 pm MDT, October 21, 2014

(Updated information listed in blue ink)

New Information

Since the last situation report (10/15/2014), a total of **eight (8)** new VSV-positive premises (New Jersey serotype) have been confirmed in Colorado; **six (6)** new positive equine premises and **two (2)** new positive bovine premises. There have been no new VSV-positive premises identified in Texas and, as of 10/13/2014, all confirmed positive VSV premises in Texas have been released from quarantine.

Horses and cattle were newly confirmed VSV-positive by compatible clinical signs and either complement fixation test (CFT) antibody titer or virus isolation in the following counties:

Colorado

Adams County, Colorado- 1 horse on 1 premises

Larimer County, Colorado – 2 horses on 1 premises

Logan County, Colorado – 1 horse on 1 premises

Pueblo County, Colorado – 5 horses and 3 cattle on 5 premises

To date, a total of **three hundred ninety-six (396) VSV-positive premises have been identified in two U.S. states, Colorado (**334** premises) and Texas (**62** premises).** There have been 14 counties affected in Colorado (Adams, Arapahoe, Boulder, Broomfield, Douglas, El Paso, Fremont, Jefferson, Larimer, Logan, Morgan, Otero, Pueblo, and Weld Counties) 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 **396** total VSV-positive premises, **376** have been positive equine premises, **18** have been positive bovine premises, and 2 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. To date, **two hundred seventy-four (274)** premises in Colorado have been released from quarantine and there are an additional **thirty-three (33)** premises in Colorado on 21-day countdown to quarantine release. As of October 13, 2014, all confirmed VSV-positive premises in Texas have been released from quarantine.

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 |
| | Arapahoe | 1 |
| | Boulder | 2 |
| | Douglas | 1 |
| | El Paso | 1 |
| | Fremont | 4 |
| | Jefferson | 5 |
| | Larimer | 8 |
| | Logan | 2 |
| | Morgan | 2 |
| | Otero | 2 |
| | Pueblo | 23 |
| Weld | 7 | |
| TOTAL | 13 | 60 |

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 | Texas | Total |
|--|----------|-------|-------|
| Current Positive Premises Under Quarantine | 60 | 0 | 60 |
| Premises on 21-day Countdown to Quarantine Removal | 33 | 0 | 33 |
| Current Counties with Positive Premises | 13 | 0 | 13 |

| Current Positive Species | Colorado | Texas | Total |
|--------------------------|----------|-------|-------|
| Positive Equine Species | 88 | 0 | 88 |
| Positive Bovine Species | 13 | 0 | 13 |
| Positive Porcine Species | 0 | 0 | 0 |
| Positive Ovine Species | 0 | 0 | 0 |
| Positive Caprine Species | 0 | 0 | 0 |
| Positive Other Ruminants | 0 | 0 | 0 |
| Total Positive Animals | 101 | 0 | 101 |

| Current Susceptible Species | Colorado | Texas | Total |
|------------------------------------|-----------------|--------------|--------------|
| Susceptible Equine Species | 628 | 0 | 628 |
| Susceptible Bovine Species | 4328 | 0 | 4328 |
| Susceptible Porcine Species | 4 | 0 | 4 |
| Susceptible Ovine Species | 9 | 0 | 9 |
| Susceptible Caprine Species | 34 | 0 | 34 |
| Susceptible Other Ruminants | 0 | 0 | 0 |
| Total Susceptible Animals | 5003 | 0 | 5003 |

*Current susceptible species counts include current positive cases.

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

| STATE | COUNTY | PREMISES |
|--------------|--------------|------------|
| Colorado | Adams | 14 |
| | Arapahoe | 2 |
| | Boulder | 76 |
| | Broomfield | 3 |
| | Douglas | 2 |
| | El Paso | 2 |
| | Fremont | 4 |
| | Jefferson | 24 |
| | Larimer | 85 |
| | Logan | 3 |
| | Morgan | 3 |
| | Otero | 2 |
| | Pueblo | 24 |
| | Weld | 90 |
| 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 | 27 | 396 |

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

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

| Cumulative Positive Premises | Colorado | Texas | Total |
|--|-----------------|--------------|--------------|
| Cumulative Positive Premises Quarantined | 334 | 62 | 396 |
| Cumulative Counties with Positive Premises | 14 | 13 | 27 |

| Cumulative Positive Species | Colorado | Texas | Total |
|------------------------------------|-----------------|--------------|--------------|
| Positive Equine Species | 458 | 89 | 547 |
| Positive Bovine Species | 27 | 8 | 35 |
| Positive Porcine Species | 0 | 0 | 0 |
| Positive Ovine Species | 0 | 0 | 0 |
| Positive Caprine Species | 0 | 0 | 0 |
| Positive Other Ruminants | 0 | 0 | 0 |
| Total Positive Animals | 485 | 97 | 582 |

| Cumulative Susceptible Species | Colorado | Texas | Total |
|---------------------------------------|-----------------|--------------|--------------|
| Susceptible Equine Species | 3639 | 619 | 4258 |
| Susceptible Bovine Species | 5138 | 2023 | 7161 |
| Susceptible Porcine Species | 20 | 3 | 23 |
| Susceptible Ovine Species | 78 | 4 | 82 |
| Susceptible Caprine Species | 174 | 64 | 238 |
| Susceptible Other Ruminants | 82 | 2 | 84 |
| Total Susceptible Animals | 9131 | 2715 | 11846 |

*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.