

Vesicular Stomatitis 2014

Situation Report – December 3, 2014

Information Current as of 5:00 pm MDT, December 2, 2014

(Updated information listed in blue ink)

New Information

Since the last situation report (11/23/2014), a total of **three (3)** new VSV-positive premises (New Jersey serotype) have been confirmed in Colorado; **two (2) equine premises and one (1) bovine premises**.

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

Elbert County, Colorado (newly affected county) – 1 cow on 1 premises

Fremont County, Colorado – 1 horse on 1 premises

Otero County, Colorado – 1 horse on 1 premises

To date, a total of **four hundred thirty-two (432) VSV-positive premises have been confirmed in three U.S. states; Colorado (**369** 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 **432** total VSV-positive premises, **402** 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. To date, **three hundred thirty-five (335)** premises in Colorado have been released from quarantine and there are an additional **twenty-one (21)** 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	3
	Arapahoe	1
	Elbert	1
	El Paso	4
	Fremont	3
	Jefferson	2
	Larimer	1
	Logan	1
	Morgan	4
	Otero	4
	Pueblo	4
	Sedgwick	1
	Weld	5
Nebraska	Wheeler	1*
TOTAL	14	35

*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.

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	34	1	0	35
Premises on 21-day Countdown to Quarantine Removal	21	0	0	21
Current Counties with Positive Premises	13	1	0	14

Current Positive Species	Colorado	Nebraska	Texas	Total
Positive Equine Species	40	0	0	40
Positive Bovine Species	18	4	0	22
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	58	4	0	62

Current Susceptible Species	Colorado	Nebraska	Texas	Total
Susceptible Equine Species	271	0	0	271
Susceptible Bovine Species	4874	236	0	5110
Susceptible Porcine Species	0	0	0	0
Susceptible Ovine Species	0	0	0	0
Susceptible Caprine Species	34	0	0	34
Susceptible Other Species	22	0	0	22
Total Susceptible Animals	5201	236	0	5437

*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	6
	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	432

* 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	369	1	62	432
Cumulative Counties with Positive Premises	17	1	13	31

Cumulative Positive Species	Colorado	Nebraska	Texas	Total
Positive Equine Species	494	0	89	583
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	542	4	97	643

Cumulative Susceptible Species	Colorado	Nebraska	Texas	Total
Susceptible Equine Species	3802	0	619	4421
Susceptible Bovine Species	6764	236	2023	9023
Susceptible Porcine Species	21	0	3	24
Susceptible Ovine Species	80	0	4	84
Susceptible Caprine Species	223	0	64	287
Susceptible Other Species	105	0	2	107
Total Susceptible Animals	10995	236	2715	13946

*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.