

Vesicular Stomatitis 2014
Situation Report – December 17, 2014

Information Current as of 12:00 pm MDT, December 16, 2014

(Updated information listed in blue ink)

New Information

Since the last situation report (12/10/2014), **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. To date, **three hundred forty-four (344)** premises in Colorado have been released from quarantine and there are an additional **fifteen (15)** premises in Colorado **and one (1) premises in Nebraska** on 21-day countdown to quarantine release. As of October 13, 2014, all confirmed VSV-positive premises in Texas have been released from quarantine.

There are twenty-seven (27) confirmed VSV-positive premises remaining under quarantine; twenty-six (26) in Colorado and one (1) in Nebraska.

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	3
	Fremont	2
	Jefferson	1
	Larimer	1
	Logan	1
	Morgan	2
	Otero	5
	Pueblo	2
	Sedgwick	1
	Weld	3
Nebraska	Wheeler	1*
TOTAL	14	27

*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	26	1	0	27
Premises on 21-day Countdown to Quarantine Removal	15	1	0	16
Current Counties with Positive Premises	13	1	0	14

Current Positive Species	Colorado	Nebraska	Texas	Total
Positive Equine Species	32	0	0	32
Positive Bovine Species	16	4	0	20
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	48	4	0	52

Current Susceptible Species	Colorado	Nebraska	Texas	Total
Susceptible Equine Species	233	0	0	233
Susceptible Bovine Species	4853	236	0	5089
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	5195	236	0	5431

*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.