

Vesicular Stomatitis 2014

Situation Report – November 5, 2014

Information Current as of 5:00 pm MDT, November 4, 2014

(Updated information listed in blue ink)

New Information

Since the last situation report (10/29/2014), a total of **seven (7)** new VSV-positive premises (New Jersey serotype) have been confirmed in Colorado; **four (4)** new positive equine premises and **three (3) 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

El Paso County, Colorado – **1 horse and 1 cow on 2 premises**

Larimer County, Colorado- **2 cattle on 1 premises**

Logan County, Colorado – **1 cow on 1 premises**

Morgan County, Colorado – **1 horse on 1 premises**

Pueblo County, Colorado – **1 horse on 1 premises**

Weld County, Colorado – **1 horse on 1 premises**

To date, a total of four hundred thirteen (413) VSV-positive premises have been identified in two U.S. states, Colorado (351 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 **413** total VSV-positive premises, **389** have been positive equine premises, **21** 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 (300)** premises in Colorado have been released from quarantine and there are an additional **twenty-nine (29)** 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	2
	El Paso	4
	Fremont	5
	Jefferson	4
	Larimer	5
	Logan	3
	Morgan	2
	Pueblo	19
	Weld	5
TOTAL	10	51

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	51	0	51
Premises on 21-day Countdown to Quarantine Removal	29	0	29
Current Counties with Positive Premises	10	0	10

Current Positive Species	Colorado	Texas	Total
Positive Equine Species	70	0	70
Positive Bovine Species	19	0	19
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	89	0	89

Current Susceptible Species	Colorado	Texas	Total
Susceptible Equine Species	339	0	339
Susceptible Bovine Species	5291	0	5291
Susceptible Porcine Species	1	0	1
Susceptible Ovine Species	2	0	2
Susceptible Caprine Species	51	0	51
Susceptible Other Ruminants	1	0	1
Total Susceptible Animals	5685	0	5685

*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	3
	Boulder	76
	Broomfield	3
	Douglas	2
	El Paso	5
	Fremont	5
	Jefferson	24
	Larimer	86
	Logan	4
	Morgan	4
	Otero	2
	Pueblo	28
	Weld	95
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	413

*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	351	62	413
Cumulative Counties with Positive Premises	14	13	27

Cumulative Positive Species	Colorado	Texas	Total
Positive Equine Species	476	89	565
Positive Bovine Species	43	8	51
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	519	97	616

Cumulative Susceptible Species	Colorado	Texas	Total
Susceptible Equine Species	3719	619	4338
Susceptible Bovine Species	6293	2023	8316
Susceptible Porcine Species	21	3	24
Susceptible Ovine Species	80	4	84
Susceptible Caprine Species	199	64	263
Susceptible Other Ruminants	83	2	85
Total Susceptible Animals	10395	2715	13110

*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.