

Vesicular Stomatitis 2014

Situation Report – September 17, 2014

Information Current as of 5:00 pm MDT, September 16, 2014

(Updated information listed in blue ink)

New Information

Since the last situation report (9/10/2014), a total of **twenty-three (23)** new VSV-positive premises (New Jersey serotype) have been confirmed in two states; in Colorado, **sixteen (16)** new equine premises and **four (4)** new bovine premises, and in Texas, **three (3)** new equine 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

Adams County, Colorado – 1 horse on 1 premises

Jefferson County, Colorado– 5 horses on 3 premises

Larimer County, Colorado -12 horses and 5 cattle on 10 premises

Pueblo County, Colorado – 5 horses on 3 premises

Weld County, Colorado – 1 horse and 5 cattle on 3 premises

Texas

Bastrop County, Texas – 4 horses on 2 premises

Lee County, Texas (newly affected county) – 2 horses on 1 premises (Horses on this premises in Lee County are confirmed to have been infected in Bastrop County, but were illegally moved to Lee County and remain there under quarantine.)

To date, a total of three hundred fifty-eight (358) VSV-positive premises have been identified in two U.S. states, Colorado (297 premises) and Texas (61 premises). There have been 13 counties affected in Colorado (Adams, Arapahoe, Boulder, Broomfield, Douglas, El Paso, Fremont, Jefferson, Larimer, Logan, Morgan, 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 358 total VSV-positive premises, 344 have been positive equine premises, 12 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, **forty-six (46)** premises in Texas and **one hundred twenty-nine (129)** premises in Colorado have been released from quarantine. There are an additional **fourteen (14)** premises in Texas and **ninety-six (96)** premises in Colorado on 21-day countdown to quarantine release.

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	9
	Arapahoe	2
	Boulder	32
	Broomfield	1
	Douglas	2
	Fremont	1
	Jefferson	21
	Larimer	61
	Logan	1
	Morgan	1
	Pueblo	4
Weld	33	
Texas	Bastrop	12
	Falls	1
	Lee*	1
	McLennan	1
TOTAL	16	183

*Horses on the premises in Lee County are confirmed to have been infected in Bastrop County, but were illegally moved to Lee County and remain there under quarantine.

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	168	15	183
Premises on 21-day Countdown to Quarantine Removal	96	14	110
Current Counties with Positive Premises	12	4	16

Current Positive Species	Colorado	Texas	Total
Positive Equine Species	228	28	256
Positive Bovine Species	15	0	15
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	243	28	271

Current Susceptible Species	Colorado	Texas	Total
Susceptible Equine Species	1746	125	1871
Susceptible Bovine Species	540	3	543
Susceptible Porcine Species	2	0	2
Susceptible Ovine Species	30	0	30
Susceptible Caprine Species	62	34	96
Susceptible Other Ruminants	56	0	56
Total Susceptible Animals	2436	162	2598

*Current susceptible species counts include current positive cases.

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

STATE	COUNTY	PREMISES
Colorado	Adams	13
	Arapahoe	2
	Boulder	75
	Broomfield	3
	Douglas	2
	El Paso	1
	Fremont	1
	Jefferson	23
	Larimer	83
	Logan	1
	Morgan	1
	Pueblo	4
	Weld	88
Texas	Bastrop	36
	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	26	358

*Horses on the premises in Lee County are confirmed to have been infected in Bastrop County, but were illegally moved to Lee County and remain there under quarantine.

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

Cumulative Positive Premises	Colorado	Texas	Total
Cumulative Positive Premises Quarantined	297	61	358
Cumulative Counties with Positive Premises	13	13	26

Cumulative Positive Species	Colorado	Texas	Total
Positive Equine Species	414	88	502
Positive Bovine Species	17	8	25
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	431	96	527

Cumulative Susceptible Species	Colorado	Texas	Total
Susceptible Equine Species	3367	615	3982
Susceptible Bovine Species	808	2023	2831
Susceptible Porcine Species	18	3	21
Susceptible Ovine Species	78	4	82
Susceptible Caprine Species	138	64	202
Susceptible Other Ruminants	82	2	84
Total Susceptible Animals	4491	2711	7202

*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.