Vesicular Stomatitis 2014
Situation Report – October 8, 2014
Information Current as of 5:00 pm MDT, October 7, 2014
(Updated information listed in blue ink)

New Information

Since the last situation report (10/1/2014), a total of ten (10) new VSV-positive premises (New Jersey serotype) have been confirmed in Colorado; eight (8) new positive equine premises and two (2) new positive bovine premises. There have been no new VSV-positive premises identified in Texas.

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
Fremont County, Colorado – 2 horses on 2 premises
Jefferson County, Colorado – 2 horses on 1 premises
Otero County, Colorado – 1 cow on 1 premises
Pueblo County, Colorado – 6 horses on 5 premises
Weld County, Colorado - 4 cattle on 1 premises

To date, a total of three hundred eighty-two (382) VSV-positive premises have been identified in two U.S. states, Colorado (320 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 382 total VSV-positive premises, 365 have been positive equine premises, 15 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, sixty (60) premises in Texas and two hundred fifty-one (251) premises in Colorado have been released from quarantine. There are an additional two (2) premises in Texas and forty-five (45) 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	1
	Arapahoe	2
	Boulder	5
	Broomfield	1
	Douglas	1
	Fremont	3
	Jefferson	5
	Larimer	19
	Morgan	1
	Otero	2
	Pueblo	17
	Weld	12
Texas	Bastrop	2
TOTAL	13	71

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	69	2	71
Premises on 21-day Countdown to Quarantine Removal	45	2	47
Current Counties with Positive Premises	12	1	13

Current Positive Species	Colorado	Texas	Total
Positive Equine Species	100	2	102
Positive Bovine Species	11	0	11
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	111	2	113

Current Susceptible Species	Colorado	Texas	Total
Susceptible Equine Species	584	15	599
Susceptible Bovine Species	332	0	332
Susceptible Porcine Species	4	0	4
Susceptible Ovine Species	9	0	9
Susceptible Caprine Species	14	0	14
Susceptible Other Ruminants	0	0	0
Total Susceptible Animals	943	15	958

*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	76
	Broomfield	3
	Douglas	2
	El Paso	1
	Fremont	3
	Jefferson	24
	Larimer	84
	Logan	1
	Morgan	2
	Otero	2
	Pueblo	17
	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	382

*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	320	62	382
Cumulative Counties with Positive Premises	14	13	27

Cumulative Positive Species	Colorado	Texas	Total
Positive Equine Species	440	89	529
Positive Bovine Species	23	8	31
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	463	97	560

Cumulative Susceptible Species	Colorado	Texas	Total
Susceptible Equine Species	3468	619	4087
Susceptible Bovine Species	1005	2023	3028
Susceptible Porcine Species	20	3	23
Susceptible Ovine Species	78	4	82
Susceptible Caprine Species	151	64	215
Susceptible Other Ruminants	82	2	84
Total Susceptible Animals	4804	2715	7519

*****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.