

**Zoonotic Surveillance Update**  
**Season to date as of August 15<sup>th</sup>, 2008**

For the week ending August 15<sup>th</sup>:

- No data was collected for University of Colorado. Mosquito trap counts do not include CU data.
- No new positive animal or mosquito pools were reported.
- No new human cases were reported.

Table 1: 2008 Boulder County Animal / Arthropod Zoonotic Surveillance

Species	Tested 8/9-8/15	Positive 8/9-8/15	Total Tested 2008	Total Positive 2008
Rabies				
Bat, unspecified	0	0	1	0
Big brown bat, <i>Eptesicus fuscus</i>	2	1	49	4
Cat	0	0	6	0
Dog	0	0	6	0
Horse	0	0	1	0
Long-eared myotis, <i>M. evotis</i>	0	0	1	0
<i>Myotis</i> spp.	2	0	12	0
Raccoon	1	0	6	0
Silver-haired bat, <i>Lasionycteris noctivagans</i>	0	0	1	0
Skunk	0	0	3	0
<b>Rabies Total</b>	<b>5</b>	<b>1</b>	<b>86</b>	<b>4</b>
Plague				
Cat	0	0	1	0
Flea	0	0	10	2
Mountain lion	0	0	1	0
Prairie dog	0	0	3	0
Rabbit	0	0	1	0
Tree squirrel, <i>Sciurus niger</i>	0	0	4	0
<b>Plague Total</b>	<b>0</b>	<b>0</b>	<b>20</b>	<b>2</b>
Tularemia				
Cat	0	0	1	0
Flea	0	0	1	0
Rabbit	0	0	1	0
Tree squirrel, <i>Sciurus niger</i>	0	0	4	0
<b>Tularemia Total</b>	<b>0</b>	<b>0</b>	<b>7</b>	<b>0</b>
West Nile Virus				
<i>Culex</i> spp.	11	0	66	0
<i>C. erythrorhox</i>	0	0	5	0
<i>C. pipiens</i>	6	0	12	0
<i>C. salinarius</i>	0	0	1	0
<i>C. tarsalis</i>	41	0	240	1
Horse	0	0	1	0
<b>West Nile Virus Total</b>	<b>58</b>	<b>0</b>	<b>325</b>	<b>1</b>

\* Flea pools tested. One pool could equal 1-234 fleas.

\*\*Mosquito pools tested. One pool could equal 1-60 mosquitoes.

Table 2: 2008 Boulder County Human Zoonoses Surveillance of Confirmed & Probable

	Cases 8/9-8/15	Deaths 8/9-8/15	Total Cases 2008	Total Deaths 2008
Hantavirus	0	0	0	0
Bubonic Plague	0	0	0	0
Tularemia	0	0	0	0
West Nile Virus	0	0	5	0
<b>Total</b>	<b>0</b>	<b>0</b>	<b>5</b>	<b>0</b>

\*By report date

Table 3: 2008 Boulder County Mosquito Trap Counts, Totals by Week

	Season Total	6-Jun	13-Jun	20-Jun	27-Jun	4-Jul*	11-Jul*	18-Jul*	25-Jul*	1-Aug*
<i>C. pipiens</i>		66	17	122	80	92	358	835	1810	757
<i>C. tarsalis</i>		96	56	88	309	566	1758	4093	5536	7773
Other <i>Culex</i>		0	0	18	46	42	43	162	72	43
Total <i>Culex</i>		162	73	228	435	700	2159	5090	7418	8573
Total Mosquito		3799	5415	9950	9111	6694	9106	14883	14968	16289

Table 3 cont.: 2008 Boulder County Mosquito Trap Counts, Totals by Week

	8-Aug*	15-Aug**
<i>C. pipiens</i>	761	232
<i>C. tarsalis</i>	4038	2422
Other <i>Culex</i>	447	79
Total <i>Culex</i>	5246	2733
Total Mosquito	12655	8884

\*Sentinel traps (n=15) are set and collected 2 nights per week during this time. At all other times, sentinel traps are set and collected one night per week. Total number of traps on average per week = 94 for 2008 season.

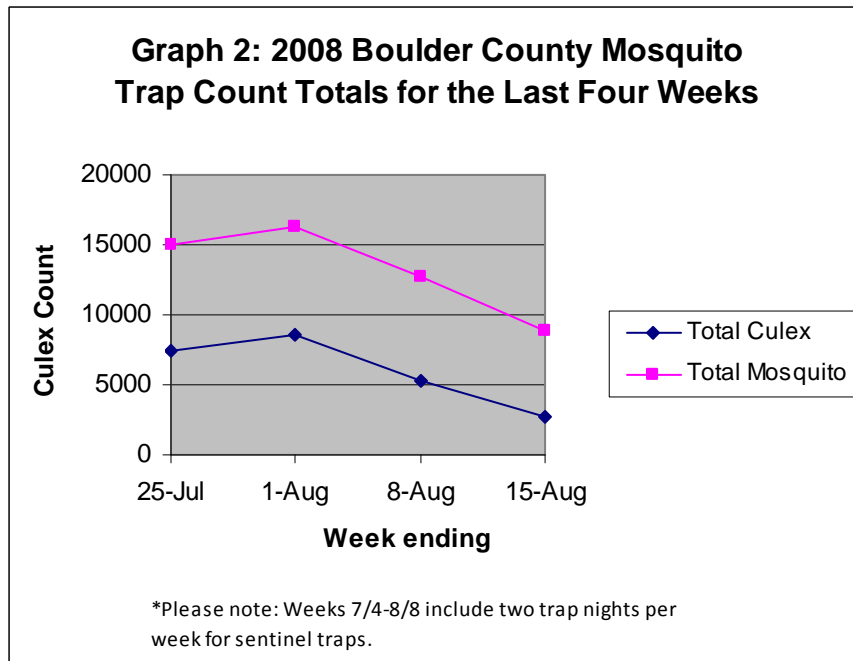
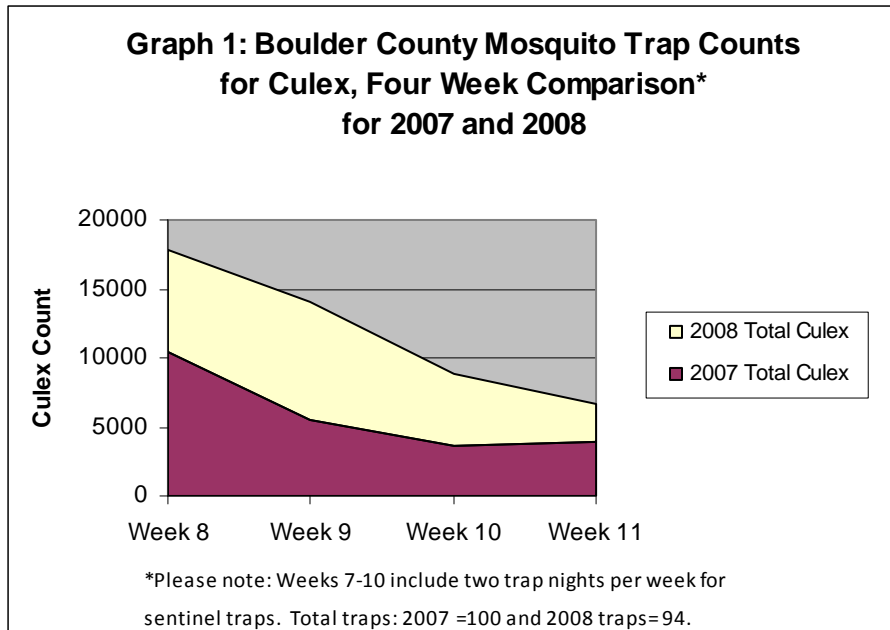
\*\*Totals do not include University of Colorado trap data

The Vector Index (VI) is the average number of infected *Culex tarsalis* mosquitoes collected per trap night per defined area. A value  $\geq 0.75$  indicates a high level human risk. Boulder and Louisville/Lafayette/Superior sentinel zones have no reported positive mosquito pools; vector indices for these two zones are zero. Below is the VI for the Longmont sentinel zone.

Table 4: 2008 Vector Index by Week, Longmont Sentinel Zone

6-Jun	13-Jun	20-Jun	27-Jun	4-Jul	11-Jul	18-Jul	25-Jul	1-Aug	8-Aug	15-Aug
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.00	0.00

Please note: CU Trap data is not included in Week 11 (8/9/08-8/15/08).



\*Please note: Weeks 7/4-8/8 include two trap nights per week for sentinel traps. CU Trap data is not included.

