

**Jefferson County Department of Health and Environment
WNV and other Zoonosis Update #11-2005
August 24, 2005**

WNV

General: WNV activity continues to increase around state; however, Jefferson County continues to experience lower total mosquito numbers and has not had a positive test on any mosquito pools. Historically we have experienced our highest Culex numbers in the mid July to mid to late August. Please continue to advise the public to empty containers that will hold water at home and work and always use insect repellent when outside.

NATIONAL

As of August 23, 2005 the states have listed over 400 verified WNV human cases outside Colorado in over 20 states: The major states impacted are California 300, South Dakota 72, Arizona 20, Illinois 29, North Dakota 16, and six deaths in California and two deaths in Louisiana, and one death in Missouri. Additional information about national WNV activity is available from state web sites or the CDC at: <http://www.cdc.gov/ncidod/dvbid/westnile>

COLORADO

General: The individual compiling the state wide data had to leave the position because of health reasons and the data was just recently reviewed and recompiled. The following are the current verified data from CDPHE.

Mosquitoes: Of the 1950 mosquito pools submitted this season 38 pools have tested positive for West Nile Virus (WNV). Adams (5), Alamosa (1), Arapahoe (2), Denver (1) Larimer (3), Las Animas (2), Mesa (4), Morgan (3) Otero (4), Prowers (5), Pueblo (6).

Birds: As of August 23, 2005, fourteen of 129 birds submitted have tested positive for West Nile Virus (WNV).

Humans: As of August 23, 2005, 26 human cases of West Nile virus (WNV) infection have been reported from 13 Colorado counties: Arapahoe, Delta, Fremont (2), Jefferson (2) La Plata, Larimer (5), Las Animas, Mesa (3), Morgan (2), Otero, Pueblo (3), Weld (3), and Yuma. Of the 26 cases there have been two with Encephalitis (Jefferson and Delta) and one with Meningitis (Larimer). No deaths have been reported. For weekly updates on WNV in Colorado, please visit CDPHE's Zoonosis website at:

<http://www.cdphe.state.co.us/dc/Zoonosis/Zoonosis.asp>

JEFFERSON COUNTY

Human Cases: The County has had two confirmed cases of WNV and one case being investigated (correction for the report 3 cases last wk). One of the confirmed cases has been reclassified as an encephalitis case not just a fever.

Mosquito Surveillance: During the past week, our contractor conducted mosquito trapping at 17 locations in the county which yielded a total of 463 mosquitoes including 177 Culex mosquitoes with 93% being Culex pipiens. Culex pipiens is primarily a container breeding mosquito so we should all remember to drain any containers that collect water around our homes. The highest number was found in Golden at the Fossil Trace Golf Course (54 Culex pipiens).

Dead Bird Surveillance: Dead bird surveillance is being handled like 2004. JCDHE will track reports of dead birds east of the foothills and will test any corvids (Jays, Magpies, and Crows) or raptors that die in the foothills and are picked up and submitted by Jefferson County Animal Control. We will continue to monitor dead bird reports in conjunction with our sentinel mosquito program.

Mosquito Control: Our integrated mosquito control contractor, Ottertail Environmental, continues to identify, monitor, and inspect "mosquito breeding sites" throughout the county. During the week of Aug 12-18, 479 larval habitat site visits were performed. Out of these visits, there were 99 site treatments for Culex mosquito larvae and 31 sites were found breeding non-vector mosquitoes.

Remember: The use of insect repellent should always be part of all outdoor activities. Use DEET or one of the two new CDC/EPA approved repellents, Picaridin or Oil of Lemon Eucalyptus, (according to labeled instructions) and wearing long sleeves and pants are wise practices, particularly when outdoors during dawn and dusk. Draining and emptying even the smallest of containers around the yard are prudent mosquito control practices. Many of those infected with WNV in Colorado were bitten by WNV carrying mosquitoes in their own yards.

Mosquito Complaint Hotline: Ottertail Environmental operates a toll free telephone line for citizen reports and concerns, that number is 1-888-774-2161 and locally the number is 303 273 2878.

For More Information on WNV and other Zoonoses:

Visit our web site for information and other resources on WNV at http://www.jefferson.co.us/ext/dpt/health/home_ehs.htm or call 303 239 7075.

Or contact dvolkel@jeffco.us or jdale@jeffco.us