

# NORTHWEST MOSQUITO ABATEMENT DISTRICT

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## ***Mosquito Update***

July 27, 2010

### **PRESENT CONTROL STATUS:**

#### *NUISANCE MOSQUITOES*

2.5" to 4" of rainfall July 23-24 is likely to produce another nuisance floodwater mosquito brood by the first week in August in NWMAD. Due to the extreme dry conditions prior to these rainfalls, as well as, any subsequent rains we may receive before the first week of August it is difficult to estimate how severe this next brood may be. Typically, floodwater areas during the hottest month of the year evaporate rapidly, sometimes before larvae complete their lifecycle in the water. Floodwater mosquitoes (*Aedes vexans*) have not been implicated as important transmitters of West Nile virus to humans.

Crews are treating infested water areas for the developing mosquito larvae with methoprene, MMFG & Bti.

#### *CULEX MOSQUITOES*

*Culex* mosquitoes as indicated by gravid traps have been primarily kept below our 5-year mean by larviciding of stagnant water areas. Peaks of *Culex* mosquitoes above our 5-year mean typically follow periods of warm temperatures and dry conditions. ***Residents of the District are encouraged to inspect their properties for stagnant water filled containers that may produce these types of mosquitoes.*** Examples of mosquito production areas encountered by homeowners can be viewed at: [http://www.nwmadil.com/breeding\\_sites1.htm](http://www.nwmadil.com/breeding_sites1.htm).

Crews are currently treating stagnant ground surface water sources with Agnique MMFG, Bti (VectoBac) & *Bacillus sphaericus* (VectoLex). Street catch basin treatments are completed. *Culex pipiens* larvae have been prevalent in ditches culverts and other stagnant water areas after rainfalls and these are being treated at the same time as the nuisance floodwater mosquitoes.

### **ADULTICIDING (NIGHT SPRAYING):**

Crews have completed 1 pass of adulticiding through the entire District and a 2<sup>nd</sup> pass in the heavily infested areas based on our surveillance traps. As of 7/27/2010 we will continue adulticiding in areas where West Nile virus (WNV) has been detected in *Culex* mosquitoes. With warm temperatures conditions are now conducive for amplification of the virus in the mosquito & bird populations.

## **MOSQUITO VIRUS SURVEILLANCE IN ILLINOIS**

Currently NWMAD has tested **474** batches of mosquitoes for West Nile virus (WNV) and **ten batches have been found positive for WNV in Bartlett, Elk Grove Village, Glenview, Northbrook, Park Ridge, Rolling Meadows and Schaumburg.** Mosquito batches testing positive for these viruses in the NWMAD territory will be posted at the following website address: <http://www.nwmadil.com/WNVTEST2010.htm>.

No human cases of WNV have been reported in Illinois in 2010.

### **NWMAD WEBSITE:**

Report 10-day standing water problem: <http://www.nwmadil.com/water source rpt.htm>

Report sick/dead birds or other animals: <http://www.nwmadil.com/Dead Birds.html>

Check night time mosquito spraying schedules: [http://www.nwmadil.com/nitespry\\_map.html](http://www.nwmadil.com/nitespry_map.html)

### **REDUCING THE RISK OF MOSQUITO BITES:**

Avoid outdoor activity if possible from dusk to dawn when the mosquitoes bite the most. If you do go out wear light colored, loose fitting, protective clothing and a suitable insect repellent (always read label warnings and directions) containing the active ingredients DEET, picaridin or oil of lemon eucalyptus. Make sure mosquitoes do not enter homes through unscreened or broken doors or windows. Residents are encouraged not to create mosquito harborage areas. Make sure tall grassy areas are trimmed and other unnecessary vegetation is cut back. If plants must be watered do so in the morning so the vegetation and soil has a chance to dry making it less attractive to mosquitoes. Empty any containers holding stagnating water for 7 days or longer like: tire casings, birdbaths, flowerpots and barrels that may produce mosquitoes. Make sure rain barrels or other storm water runoff cisterns are fitted properly when installed, well screened, free of detritus or organic material and mosquito-proof. Neglected swimming pools may produce thousands of mosquitoes. Call the District to report large stagnant water areas that remain wet for more than 7 days.

Mike Szyska  
Director

*PLEASE FORWARD THIS INFORMATION TO APPROPRIATE DEPARTMENTS AND AGENCIES.*