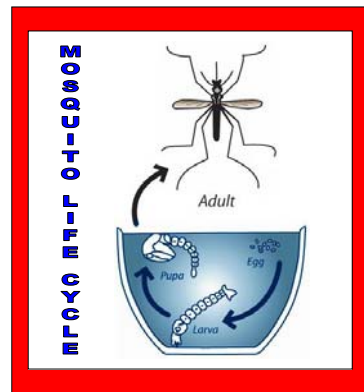


~ MOSQUITO INFORMATION ~



CENTRAL MASS MOSQUITO CONTROL PROJECT

www.cmmcp.org

(508) 393-3055



~ OUR SERVICES ~

SURVEILLANCE



GRAVID TRAP

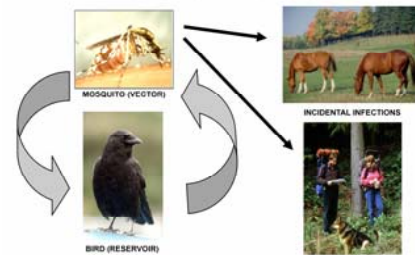
Gravid traps use water that has been soaked in hay as an attractant. CDC light traps use a combination of light and/or CO₂ gas as an attractant.

Collections from these traps are sent for virus testing at Mass. Public Health



CDC LIGHT TRAP

ARBOVIRUS DISEASE TRANSMISSION CYCLE



Mosquitoes will spread the infection throughout the bird population. Incidental infections occur when species of mosquitoes that bites both birds, humans and/or horses transmit the virus.

OUR SERVICE AREA



~ 2007 ~

SERVICES OFFERED

- **Surveillance:** adult mosquito surveillance to monitor mosquito-borne diseases & document mosquito species and population data
- **Public Education:** education to schools and civic groups about basic mosquito biology and control methods
- **Wetlands Restoration:** cleaning drainage systems to allow the free flow of water, discouraging mosquito breeding from that area
- **Larviciding:** monitoring the development of mosquito larvae in wetlands and performing applications to minimize mosquito emergence
- **Adulticiding:** site-specific applications to control mosquito adults – done by resident request only and after surveillance has been collected to warrant the application
- **Research & Efficacy:** to check for efficacy of our products and techniques, and whenever possible perform research in new or different areas of mosquito control.

FIGHT THE BITE
HOW YOU CAN STOP MOSQUITOES!

CHECK YOUR AREA.... RAISING MOSQUITOES!



Right now, you should... get rid of old tires, tin cans, bottles, jars, buckets, drums and other containers, cover them, or empty & rinse them on a weekly basis.



Every week, you should... change water and scrub vases holding flowers or cuttings; empty & clean kiddie pools; scrub and change water in bird baths; empty & rinse water pans for pets. You should also aerate any ornamental pools or ponds.

REMEMBER MOSQUITOES NEED STAGNANT WATER TO DEVELOP – EMPTY THOSE CONTAINERS!!

WETLANDS RESTORATION

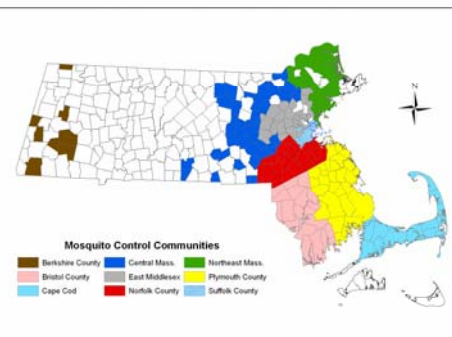


Cleaning drainage systems allows for the flow of water and discourages mosquito breeding, which happens in still, stagnant water. Restoration is done with a variety of methods, from using hand and power tools to more extensive techniques using mechanized equipment.

LARVICIDING



"Larviciding" is the term for the control of mosquito larvae in wetlands. The Technician above is "dipping" the wetland to determine if sufficient numbers of larval mosquitoes are present, and if so will do an application of a type of bacteria called Bti to reduce the emergence of mosquitoes from the wetland.



ADULTICIDING



ULV SPRAY TRUCK

"Adulticiding" is the official term for mosquito spraying. This a ULV unit mounted on a pickup truck. "ULV" is an abbreviation of "Ultra Low Volume". This unit is calibrated to deliver droplets of 8-20 microns in size of a very dilute solution of sumethrin, the type of product used to control adult mosquitoes. Sumethrin is a synthetic copy of a substance found in chrysanthemum flowers. Sumethrin is a low residual product and decomposes quickly in the environment.



MEMBER – NORTHEASTERN MOSQUITO CONTROL ASSOCIATION, INC.
www.nmca.org

