

PASSAIC COUNTY MOSQUITO CONTROL

Question and Answer Sheet for Mosquito Control Practices

Municipalities are encouraged to share this information with all residents in their community

Q: What can the general public do to reduce mosquito incidence?

A: Since mosquitoes breed in standing water, elimination of aquatic breeding sites will result in decreased mosquito population. Anything capable of holding water for four days or longer should be considered a potential mosquito habitat. Examples of artificial containers that can breed mosquitoes are: plastic wading pools, cans, recycling containers, bird baths, ornamental pools, clogged roof gutters, and tires. Passaic County Mosquito Control can offer control advice for specific situations. Individual municipalities can offer their residents advice on tire recycling.

Q: Why does Passaic County Mosquito Control perform adult mosquito control (adulthooding)?

A: Passaic County Mosquito Control employs an Integrated Pest management (IPM) or Integrated Mosquito Management (IMM) approach to control mosquitoes. Education, source reduction, water management, stocking of mosquito-eating fish, and mosquito larval control are all utilized in an attempt to control mosquitoes before they reach the adult mosquito stage. Even though control of mosquitoes is generally most efficiently accomplished in the immature stages, conditions may sometimes necessitate the use of adulticides (adult mosquito control pesticides). Adult mosquito control is, and always was, a small portion of our entire mosquito control procedure and is the last resort of our program after all other methods have been attempted.

Q: How is Adulthooding done?

A: The technique of ULV (ultra low volume) spraying is employed using properly calibrated and serviced truck and/or all-terrain vehicle (ATV) mounted equipment under label mandated and state recommended conditions.

Q: Which pesticides are utilized?

A: The State University of New Jersey, Rutgers University, is the official body charged with recommending "Insecticides for Mosquito Control in New Jersey." Passaic County Mosquito Control now utilizes two pesticide formulations: the first contains the active ingredient *malathion*, and the second contains the synthetic pyrethroids *Prallethrin* and

Sumithrin and a synergist *piperonyl butoxide*. Both malathion formulations and pyrethroid/piperonyl butoxide combinations are recommended for adulticiding in the Rutgers recommendations. These pesticides are registered for mosquito adulticiding by both the federal Environmental Protection Agency (EPA) and the NJ State Department of Environmental Protection (DEP). The brand name of the first pesticide currently used is "Fyfanon ULV". The brand name of the second pesticide currently used is "Duet-Dual Action adulticide". All personnel applying pesticides are licensed by the NJ Department of Environmental Protection.

Q: What are the possible acute (short-term) health effects that may occur immediately or shortly after exposure to malathion?

A: Contact may possibly irritate eyes and the respiratory tract and in severe cases may cause headaches, sweating, nausea, and vomiting. Consult your physician for any health evaluations. Generally, community residents are at a much lower risk than mosquito control workers since the likelihood of becoming sick from chemicals is increased as the amount of exposure increases. This is determined by the length of time and the amount of material to which someone is exposed. The New Jersey Poison Information and Education System (NJPIES) phone number is **1-800-222-1222**.

Q: What are the possible acute (short-term) health effects that may occur immediately or shortly after exposure to pyrethroids/piperonyl butoxide?

A: Symptoms of over-exposure can include irritation to skin and eyes, respiratory and nasal irritation, irritability to sound or touch, abnormal facial sensation, sensation of prickling, tingling or creeping of skin, numbness, headache, dizziness, nausea, vomiting, diarrhea, excessive salivation, and fatigue. The chance of experiencing these symptoms of over-exposure with proper use is low. You should contact your physician, other medical providers, or the New Jersey Poison Information and Education System (NJPIES) at **1-800-222-1222** if you experience these symptoms following a pesticide spraying.

Q: How can exposure to mosquito adulticides be reduced?

A: General advice when mosquito adulticiding is scheduled includes: closing windows, shutting off inward blowing fans and air conditioners, sheltering pets for their comfort, suspending outdoor activities during the treatment, and removing clothes from outdoor clotheslines. Also bring children's toys inside. If desired, other items left outside can be rinsed with soap and water.

Q: Where can more information be obtained?

A: General information can be obtained and requests for service can be reported, by phoning Passaic County Mosquito Control at (973) 305-5754. There is voice mail at that number so that messages may be left. The Passaic County Public Health Nurse can be reached at (973) 225-3809 and this number is also voice mail equipped. For additional information, access the following websites:

www.state.nj.us/health
www.state.nj.us/dep/mosquito
www.state.nj.us/agriculture
www.rci.Rutgers.edu/~insects/njmos.htm
www.epa.gov/pesticides
www.cdc.gov/ncidod/diseases/insects/diseases.htm

Q: Where can I find more specific information on mosquito adulticiding in Passaic County and how will I be notified of the adulticiding?

A: Passaic County Mosquito Control complies with current state regulations regarding newspaper publishing of pertinent information in two newspapers (a copy of the ad is included in this packet). The newspapers designated by Freeholder resolution for Passaic County are "The Record" and the "Herald News".

When mosquito adulticiding is scheduled in Passaic County, control sites and spray dates are listed on the County website: www.passaiccountynj.org, on the telephone Hotline: (973) 881-4396, and on the County Department of Health website: www.pcdh.org.