



Cumberland County West Nile Virus Control Program

The County WNV program is funded through the PA Department of Environmental Protection (DEP) and is administered by the County Vector Control Office. The program's goal is to limit transmission of mosquito diseases, such as WNV, through an IPM plan.

Integrated Pest Management (IPM)

A science driven, holistic approach focused on long-term prevention using a combination of techniques including:

1. Education– Inform the public of mosquito habitat reduction and bite avoidance
2. Surveillance– Monitor habitat and collect specimens for virus testing, respond to complaint calls
3. Source Reduction– Removal of artificial containers and man-made habitat
4. Larval Control– Treat waters which are breeding grounds to prevent larval mosquitoes from emerging as adults
5. Adult Control– Last mode of action. Evening spray event for adult population control



Adult Control

The WNV program publishes spray events on the county website 48 hours before an event.

A truck mounted fogger disperses the product (Biomist) into the air column at dusk.

Adult control is only useful if larval source reduction and control is maintained. Eliminating one group of adult mosquitoes is ineffective if more will emerge unchecked.

Help reduce mosquito populations by removing standing water at you residence.

Remember: Standing water left alone keeps mosquitoes close to home !



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Biomist 3+15 ULV (permethrin)

- Applied at ultra low volumes (ULV)
- EPA approved to be used in residential areas
- Formulated to have a very short residual life
- Breaks down in sunlight and by soil microbes
- Stays suspended in the air for a brief time
- Droplet sizes have been engineered to be as specific to mosquitoes as possible
- Applied around dusk when bees are inactive

Extra Precautions

Pyrethroids are applied at very low levels and have been found to pose very little risk to humans. Pyrethroids have low skin absorbance, but if exposed, compounds quickly leave the body through urine. They are also commonly used in dog flea & tick treatments and human lice shampoo. Those with respiratory sensitivities may want to limit exposure.

Common sense precautions can include:

- Do not walk into direct path of fogging
- Stay indoors for 30 minutes after spray
- Refresh pet bowls and rinse off toys
- Wash garden vegetables before eating

Stay informed about spray events

Sign up for "Notify Me"
www.ccpa.net/westnile



Cumberland County Commissioners



Vector Control Office

Katie Seymore West Nile Technician
310 Allen Road Suite 701 Carlisle, Pa 17013
717-240-7808



Department of Environmental Protection
<http://www.westnile.state.pa.us>

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