

## Environmental and Energy Advisory Board Recommendations on July, 2020 Mosquito Spraying Report

### Recommendations from Page 16 of report titled, *Public Health Mosquito Management Strategy for Decision Makers and Communities*, dated July, 2020

### Proposed EEAB Recommendation to County Commissioners

1	Implement strong public education campaigns (especially targeted to the populations most vulnerable to serious illness from WNV) to educate people on what they can do to minimize their exposure to mosquitoes and mosquito-borne diseases like WNV.	The Chester County Health Department should continue its public education campaigns, working with the community and advocacy groups to adjust messages and strategies when appropriate.
2	Conduct good surveillance to monitor populations of mosquitoes, host species and the virus.	The Chester County Health Department should continue conducting surveillance of mosquito populations, working with PA DEP and other relevant partners as needed.
3	Implement source reduction techniques on public lands, including maintaining healthy ecosystems	The Chester County Health Department should continue implementing source reduction efforts on public lands and working with residents to educate them about source reduction on private land while working with the Conservation District, community organizations, advocacy groups, and other partners.
4	Conduct least-toxic larval control to kill mosquitoes before they become biting adults.	The Chester County Health Department should continue to use low-toxicity larval control products while constantly monitoring opportunities for lower-toxicity larval control products.
5	Use biological controls such as mosquito-eating fish for hard-to-reach pools.	The Chester County Health Department should research biological control methods that are appropriate and practical for use in Chester County.
6	Use adulticides only as a last resort, meaning when the threshold of mosquitoes has reached epidemic proportions, and when the community is not more adverse to the pesticides than they are the threat of the virus.	The Chester County Health Department should continue using adulticides as a last resort, working with PA DEP, community organizations, and advocacy groups on alternative thresholds, when warranted.
7	Ensure any use of adulticides is done responsibly:	The Chester County Health Department should continue attending annual training for the proper use of adulticides.
	<ul style="list-style-type: none"> <li>Identify and monitor the infected mosquito pools or areas. Set publicly acceptable threshold levels.</li> </ul>	The Chester County Health Department should continue identifying and monitoring infected mosquito pools or areas using trapping while coordinating with PA DEP on the appropriateness of DEP's thresholds.
	<ul style="list-style-type: none"> <li>Choose the least dangerous pesticides.</li> </ul>	The Chester County Health Department should continue annually reviewing larvicide and adulticide products to assess available and appropriate pesticides, while working with PA DEP for approval of use of less toxic pesticides that are not currently approved but that the Health Department would like to use.
	<ul style="list-style-type: none"> <li>Spray when mosquitoes are most active.</li> </ul>	The Chester County Health Department should continue using pesticides and adulticides when mosquitoes are most active.
	<ul style="list-style-type: none"> <li>Check local weather forecasts to gauge temperature and wind.</li> </ul>	The Chester County Health Department should continue to assess weather forecasts for precipitation and wind speed and should continue cancelling or postponing spraying due to adverse weather conditions.
	<ul style="list-style-type: none"> <li>Notify the public at least 48 hours in advance.</li> </ul>	The Chester County Health Department should continue to notify the public 48 hours in advance of adulticide use, working with various partners and community groups to get the message out.
	<ul style="list-style-type: none"> <li>Ensure that the person spraying is properly trained, certified, protected and monitored.</li> </ul>	The Chester County Health Department should continue to ensure that individuals applying pesticide or adulticide, or setting traps are certified, protected and monitored.
	<ul style="list-style-type: none"> <li>Ensure pesticide equipment calibration.</li> </ul>	The Chester County Health Department should continue to calibrate all equipment prior to use.
	<ul style="list-style-type: none"> <li>Do not conduct aerial spraying.</li> </ul>	The Chester County Health Department should not conduct aerial spraying.
	<ul style="list-style-type: none"> <li>Continue implementing source reduction, larval control and other prevention strategies!</li> </ul>	The Chester County Health Department should continue implementing source reduction, larval control and other prevention strategies, while working with community organizations, advocacy groups, and other partners to expand such strategies.
	<ul style="list-style-type: none"> <li>Notify the public at least 72 hours in advance of application.</li> </ul>	The Chester County Health Department should continue to notify the public at least 48 hours in advance of adulticide use and 72 hours in advance of such use when conditions allow an earlier notification.
	<ul style="list-style-type: none"> <li>Provide members of the public with the opportunity to opt-out their residences from spraying. Certain populations are more at risk of pesticide poisoning than the general public.</li> </ul>	The Chester County Health Department should continue to make PA DEP's hypersensitivity registry available to the public, while working with community organizations, advocacy groups, and other partners to let people know about this registry.
	<ul style="list-style-type: none"> <li>Provide the public with precautionary measures to avoid pesticide exposure.</li> </ul>	The Chester County Health Department should continue to provide information about personal practices before and after adulticide application, while working with community organizations, advocacy groups, and other partners to let people know about these personal practices.
	<ul style="list-style-type: none"> <li>Ensure the public still follows prevention guidelines.</li> </ul>	The Chester County Health Department should continue providing education to the public and municipal leaders, encouraging the implementation of prevention guidelines, and working with community organizations, advocacy groups, municipalities, and other partners on this education.
	<ul style="list-style-type: none"> <li>Monitor the public and environment for adverse health effects.</li> </ul>	The Chester County Health Department should ask property owners, community organizations, advocacy groups, municipalities, and other partners to contact them regarding adverse health effects on the public and environment.
	<ul style="list-style-type: none"> <li>Monitor pesticide levels in the environment.</li> </ul>	The Chester County Health Department should explore methods of monitoring the overall pesticide levels in the environment.