

Proposed Wide-area Mosquito Adulticide Label Consistency and Clean Up

Mitigation measures and application measures differ for products with conventional mosquito control uses and products with wide-area mosquito adulticide public health uses. Therefore, the Agency is proposing separate labels for the wide-area mosquito adulticide uses – either sub labels, or mosquito adulticide only registrations. This applies only to products that are applied by government entities for public health protection. It does not apply to products that are applied by pest management professionals and lawn care operators. This is intended to reduce confusion for the applicators and reduce misapplications.

As a result of this mitigation, registrants will have to develop a new line of products specific to the wide-area mosquito programs. Separate labels must be designed and printed, which will entail a one-time cost.

Specific proposed label statements intended to reduce potential risk to aquatic organisms are as follows:

Proposed Wind Speed Statements

- Apply when ground wind speeds are equal to or greater than 1 mph.
- All types of applications must be conducted at temperatures at or above 50°F.
- For Ground Applications: Create an optimum swath when [product name] is applied from a truck that is being driven perpendicular to the wind direction, when possible. Direct the spray head of equipment to ensure even distribution of the spray cloud throughout the area.
- FOR BEST RESULTS treat when mosquitoes or insects are most active and weather conditions are conducive to keeping the spray cloud in the air column close to the ground (e.g., cool temperatures).
- An inversion of air temperatures and a light breeze is preferable. Application during the cooler hours of the night or early morning is recommended.

Proposed Release Height Statement

For Aerial Applications: Do not apply by fixed wing aircraft at a nozzle height less than 100 feet above ground or canopy, or by helicopter at a height less than 75 feet above the ground or canopy, (and if applicable) unless specifically approved by the state or tribe based on public health needs.

Proposed Environmental Hazard Statements:

The EPA is proposing that adult mosquito control applications be limited to trained personnel. Therefore, the following label statement is proposed for non-Restricted-Use Products (non-RUPs) for wide-area adult mosquito control:

- For use only by federal, state, tribal or local government officials responsible for public health or vector control or by persons certified in the appropriate category or otherwise authorized by the state or tribal lead pesticide regulatory agency to perform adult mosquito control applications, or by persons under their direct supervision, or as allowed by state regulations for persons treating private property.
- This pesticide is [toxic/extremely toxic] to aquatic organisms. Runoff from treated areas or deposition of spray droplets into a body of water may be hazardous to aquatic organisms.
- Do not apply over bodies of water (lakes, rivers, permanent streams, natural ponds, commercial fish ponds, swamps, marshes or estuaries), except when necessary to target areas where adult mosquitoes are present, and weather conditions will facilitate movement of applied material beyond the body of water to minimize incidental deposition into the water body. Do not contaminate bodies of water when disposing of equipment rinsate or wash waters.
- Before making the first application in a season, it is advisable to consult with the state or tribal agency with primary responsibility for pesticide regulation to determine if other regulatory requirements exist.
- Do not exceed (X amount) of a.i. in any site in one year. More frequent applications may be made to prevent or control a threat to public and/or animal health determined by a state, tribal or local health or vector control agency on the basis of documented evidence of disease-causing agents in vector mosquitoes or the occurrence of mosquito-borne disease in animal or human populations, or if specifically approved by the state or tribe during a natural disaster recovery effort.

B. Data Requirements

No additional ecological fate or effects data are anticipated to be needed to be called-in for the registration reviews of these chemicals at this time. The EPA will consider requiring registrants for the 23 chemicals to submit pollinator data in the chemical specific PIDs.