



Date: January 26, 2024

TO: Government Agencies in Contra Costa County

SUBJECT: **ANNUAL NOTICE OF INTENT TO APPLY PUBLIC HEALTH PESTICIDES FOR VECTOR CONTROL PURPOSES WITHIN AND ADJACENT TO CONTRA COSTA COUNTY**

1. Pursuant to the Statewide National Pollutant Discharge Elimination System Permit for Residual Pesticide Discharges to Waters of the United States from Vector Control Applications, as required under item VIII.B of the General Permit, it is the intent of the Contra Costa Mosquito & Vector Control District (CCMVCD) to make public health pesticide applications in Contra Costa County.
2. The NPDES Permit requires listing of the active ingredients of the Public Health Pesticides anticipated to be used. The current permit allows any pesticide products to be used that contain approved active ingredients, provided all pesticide label restrictions and instructions are followed. In addition, pesticides which fall under “minimum risk” category can be used. The minimum risk pesticides have been exempted from FIFRA requirements. The attached tables list the active ingredients approved for the FIFRA regulated pesticides.
3. The purpose of the use of larvicide and adulticide pesticides containing those active ingredients is for the control of immature and adult mosquitoes to reduce the threat of mosquito-borne diseases and biting annoyance by pest mosquito populations.
4. Applications may occur anywhere in the county at any time of the year.
5. There are no known water use restrictions or precautions during treatment.
6. Interested persons may contact the District office at (925) 685-9301 to obtain additional information or visit our website www.ContraCostaMosquito.com



Paula Macedo, General Manager
Contra Costa Mosquito and Vector Control District
155 Mason Circle
Concord, CA 94520

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Please see the following references regarding selection and use of pesticides in CCMVCD's program.

- a. California Mosquito-Borne Virus Surveillance & Response Plan. 2023. California Department of Public Health, Vector-Borne Disease Section
<https://westnile.ca.gov/pdfs/CAMosquitoSurveillanceResponsePlan.pdf>
- b. Operational Plan for Emergency Response to Mosquito-Borne Disease Outbreaks. 2013. California Department of Public Health, Vector-Borne Disease Section
https://westnile.ca.gov/download.php?download_id=2737
- c. Best Management Practices for Mosquito Control in California. 2023. California Department of Public Health, Vector-Borne Disease Section
<https://westnile.ca.gov/pdfs/BMPMosquitoControl.pdf>
- d. Overview of Mosquito Control Practices in California. 2008. California Department of Public Health, Vector-Borne Disease Section https://westnile.ca.gov/download.php?download_id=1398
- e. Epidemic/Epizootic West Nile Virus in the United States: Guidelines for Surveillance, Prevention and Control. 2003. U.S. Department of Health and Human Services, Centers for Disease Control and Prevention <http://www.cdc.gov/ncidod/dvbid/westnile/>
- f. Contra Costa Mosquito & Vector Control District Mosquito-Borne Virus Surveillance & Response Plan. 2006. http://contracostamosquito.com/npdes_docs.htm
- g. Pesticides and Public Health: Integrated Methods of Mosquito Management. 2001. U.S. Environmental Protection Agency <http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2631680/>

II. PERMIT COVERAGE AND APPLICATION REQUIREMENTS

A. Coverage

The Order covers the point source discharge of biological and residual pesticides resulting from direct and spray applications for vector control using: 1) larvicides containing monomolecular films, methoprene, *Bacillus thuringiensis subspecies israelensis* (or *Bti*), *Bacillus sphaericus* (or *B. sphaericus*), temephos, petroleum distillates, or spinosad; and 2) adulticides containing malathion, naled, pyrethrin, deltamethrin, etofenprox, lambda-cyhalothrin, permethrin, prallethrin, resmethrin, sumithrin, piperonyl butoxide (PBO), or N-octyl bicycloheptene dicarboximide (or MGK-264).

The Order also covers the point source discharge of residual pesticides from the application of minimum risk pesticides which are pesticides that U.S. EPA has exempted from FIFRA requirements when used only in the manner specified in 40 C.F.R. section 152.25. Products containing active ingredients listed in 40 C.F.R. section 152.25(f) are exempt from the requirements of FIFRA, alone or in combination with other substances, provided that all of the criteria of 40 C.F.R. section 152.25 are met. A pesticide product exempt under 40 C.F.R. section 152.25(f) may include only inert ingredients listed in the most current list of inert ingredients approved for use in minimum risk pesticide products at U.S. EPA's website:<http://www2.epa.gov/minimum-risk-pesticides/inert-ingredients-approved-use-minimum-risk-pesticide-products>.

Dischargers may use larvicides and adulticides that are currently registered by DPR and new larvicides and adulticides that will be registered by DPR using the same active ingredients listed above for vector control applications. In addition, Dischargers may use minimum risk pesticide products for vector control applications.

Users of products containing these active ingredients and inert ingredients for the minimum risk pesticide products are required to obtain coverage under the Order prior to application to waters of the U.S. The Order covers the discharge of residuals from: (1) larvicides and adulticides that are currently registered in California; and (2) minimum risk pesticide products.

ATTACHMENT A – ACTIVE INGREDIENTS FOR IMMATURE MOSQUITO CONTROL

<i>Bacillus thuringiensis</i> subsp. <i>israelensis</i> (Bti)
<i>Bacillus sphaericus</i> (Bs)
Methoprene
Monomolecular films
Petroleum distillates
Spinosad
Temephos

ATTACHMENT B – ACTIVE INGREDIENTS FOR ADULT MOSQUITO CONTROL

Deltamethrin
Etofenprox
Lambda-cyhalothrin
Malathion
Naled
N-octyl bicycloheptene dicarboximide (MGK-264)
Piperonyl butoxide (PBO)
Permethrin
Prallethrin
Pyrethrins
Resmethrin
Sumithrin

cc: Contra Costa County
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City of Brentwood
Town of Clayton
City of Concord
Town of Danville
City of El Cerrito
City of Hercules
City of Lafayette
City of Martinez
Town of Moraga
City of Oakley
City of Orinda
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