



STATE OF WASHINGTON

DEPARTMENT OF ECOLOGY

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STATE ENVIRONMENTAL POLICY ACT
FINAL REVISED DETERMINATION OF NONSIGNIFICANCE

Project Name: Aquatic Mosquito Control General Permit

Date of Issuance: March 4, 2015

SEPA Number: DNS 201500977

Date Final: May 20, 2015

Lead agency: Department of Ecology, Water Quality Program/Program Development Services/Technical Services Unit

Agency Contact:

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Revision: This Determination of Nonsignificance (DNS) is being revised to include information on the pesticide active ingredient spinosad, which was inadvertently omitted from the initial SEPA Checklist and threshold determination issued on March 4, 2015.

This threshold determination is revised to incorporate the following excerpt from the Fact Sheet for the Draft Aquatic Mosquito Control NPDES General Permit as incorporated through Appendix F: Response to Comments.

Spinosad is derived from a naturally occurring soil borne bacterium and consists of two chemicals: spinosyn A and spinosyn D. The US Environmental Protection Agency (EPA) has registered the use of spinosad as a pesticide since 1997.

Spinosad has a low toxicity in humans and other mammals. EPA has determined that spinosad is not likely to cause cancer. Potential for chronic effects from spinosad is thought to be low due to tolerance limits set by EPA on food. Spinosad was not shown to be mutagenic. EPA classifies spinosad as a reduced risk pesticide.

Spinosad breaks down rapidly in the presence of sunlight with half lives in water of less than one day. Spinosad binds rapidly to sediment and soil and has a low potential move through soils into groundwater. Spinosad is practically non-toxic to moderately toxic to fish. Slightly to moderately toxic to aquatic invertebrates. Practically non-toxic to slightly toxic to birds tested.

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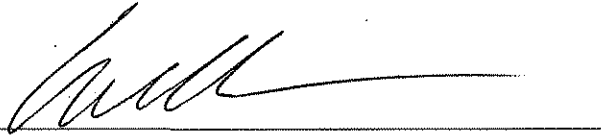
Spinosad is highly toxic to bees, however, once the spinosad product has dried there is little to no effect on bees. Spinosad is not toxic to plants when used as directed by the label.

This Determination of Nonsignificance is issued under WAC 197-11-340(2).

Responsible official:

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Signature



Date

5/8/15