## Insecticide Reviews

The Environmental Health Division reviews each pesticide product proposed for use by a Thurston County department. All Active ingredients in the pesticide products are evaluated to determine the hazards they present to non-target organisms and the environment. Chemical hazards evaluated include: mobility, persistence, bioaccumulation, acute and chronic toxicity, inert ingredients, degradation products, and exposure risk. Pesticide chemicals are considered to have unacceptable hazards when they are: persistent and can bioaccumulate, known or suspected carcinogens, mutagens, known to cause endocrine disruption, or considered high in risk for toxicity to non-target organisms. Products that are found to have an unacceptable level of hazards fail the review. Chemicals that pass the review do not have these toxicological or environmental hazards.

For more details, click the header links in the tables below.

Unable to find useful data- 

Not Applicable - **N/A**

Potential Hazard is **Low**- 

Potential Hazard is **Moderate**- 

Potential Hazard is **High -** 

| **Pesticide Active Ingredient** | Thurston County Rating | Human Toxicity | Other Mammals | Bird Toxicity | Bee Toxicity | Aquatic Toxicity | Mobility Hazard | Persistance Hazard | Bioaccumulation Hazard |
|---|---|---|---|---|---|---|---|---|---|
| azadirachtin | **Passed** | | | | | | | | |
| bacillus thuringiensis (Bt) | **Passed** | | | | | | | | |
| beauveria bassiana GHA | **Passed** | | | | | | | | |
| canola oil | **Passed** | | | | | | | | |
| capsaicin | **Passed** | | | | | | | | |
| jojoba oil | **Passed** | | | | | | | | |
| kaolin clay | **Passed** | | | | | | | | |
| lambda cyhalothrin | **Passed** | | | | | | | | |
| neem oil | **Passed** | | | | | | | | |
| potassium salt of fatty acids | **Passed** | | | | | | | | |
| silica gel | **Passed** | | | | | | | | |
| silicon dioxide | **Passed** | | | | | | | | |
| sodium tetraborate decahydrate | **Passed** | | | | | | | | |
| spinosad | **Passed** | | | | | | | | |
| sulfur | **Passed** | | | | | | | | |
| | | | | | | | | | |
| boric acid | **Conditional** | | | | | | | | |
| d-limonene | **Conditional** | | | | | | | | |

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|---|---|---|---|---|---|---|---|---|---|
| disodium octaborate tetrahydrate | Conditional | | | | | | | | |
| lime sulfur (calcium polysulfide) | Conditional | | | | | | | | |
| methoprene | Conditional | | | | | | | | |
| petroleum oil | Conditional | | | | | | | | |
| piperonyl butoxide (PBO) | Conditional | | | | | | | | |
| prallethrin | Conditional | | | | | | | | |
| S-methoprene | Conditional | | | | | | | | |
| Sodium tetraborate pentahydrate | Conditional | | | | | | | | |
| tau-fluvalinate | Conditional | | | | | | | | |
| | | | | | | | | | |
| abamectin | Failed | | | | | | | | |
| acephate | Failed | | | | | | | | |
| acetamiprid | Failed | | | | | | | | |
| allethrins | Failed | | | | | | | | |
| avermectin | Failed | | | | | | | | |
| bendiocarb | Failed | | | | | | | | |
| beta-cyfluthrin | Failed | | | | | | | | |
| bifenthrin | Failed | | | | | | | | |
| bioallethrin | Failed | | | | | | | | |
| carbaryl | Failed | | | | | | | | |
| chlorfenapyr | Failed | | | | | | | | |
| chlorothalonil | Failed | | | | | | | | |
| chlorpyrifos | Failed | | | | | | | | |
| cyfluthrin | Failed | | | | | | | | |
| cypermethrin | Failed | | | | | | | | |
| d-phenothrin | Failed | | | | | | | | |
| d-trans allethrin | Failed | | | | | | | | |
| deltamethrin | Failed | | | | | | | | |
| diazinon | Failed | | | | | | | | |
| dichlorvos | Failed | | | | | | | | |
| dinotefuran | Failed | | | | | | | | |
| disulfoton | Failed | | | | | | | | |
| emamectin benzoate | Failed | | | | | | | | |

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|---|---|---|---|---|---|---|---|---|---|
| esbiothrin | Failed | | | | | | | | |
| esfenvalerate | Failed | | | | | | | | |
| fipronil | Failed | | | | | | | | |
| hydramethylnon | Failed | | | | | | | | |
| imidacloprid | Failed | | | | | | | | |
| indoxacarb | Failed | | | | | | | | |
| malathion | Failed | | | | | | | | |
| methiocarb | Failed | | | | | | | | |
| MGK-264 | Failed | | | | | | | | |
| n-octyl bicycloheptene dicarboximide | Failed | | | | | | | | |
| para-dichlorobenzene | Failed | | | | | | N/A | | |
| permethrin | Failed | | | | | | | | |
| propoxur | Failed | | | | | | | | |
| pynamin forte | Failed | | | | | | | | |
| pyrethrins | Failed | | | | | | | | |
| resmethrin | Failed | | | | | | | | |
| sulfluramid | Failed | | | | | | | | |
| sumithrin | Failed | | | | | | | | |
| tetramethrin | Failed | | | | | | | | |
| tralomethrin | Failed | | | | | | | | |
| trichlorfon | Failed | | | | | | | | |