

Minimum Risk Pesticide Ingredient 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.

Pesticide Active Ingredient	Thurston County Rating	Human Toxicity	Other Mammals	Bird Toxicity	Bee Toxicity	Aquatic Toxicity	Mobility Hazard	Persistence Hazard	Bioaccumulation Hazard
castor oil	Passed								
cedar oil	Passed								
cinnamon and cinnamon oil	Passed								
citric acid	Passed								
citronella and citronella oil	Passed								
cloves and clove oil	Passed								
corn gluten meal	Passed								
cornmint and cornmint oil	Passed								
corn oil	Passed								
cottonseed oil	Passed								
dried blood	Passed								
eugenol	Passed								
garlic and garlic oil	Passed								
geraniol	Passed								
geranium oil	Passed								
lauryl sulfate	Passed								
lemongrass oil	Passed								
linseed oil	Passed								
malic acid	Passed								
peppermint and peppermint oil	Passed								
2-phenylethyl propionate	Passed								
potassium sorbate	Passed								
putrescent whole egg solids	Passed								
rosemary and rosemary oil	Passed								
sesame and sesame oil	Passed								
sodium chloride (salt)	Passed								
sodium lauryl sulfate	Passed								
soybean oil	Passed								
spearmint and spearmint oil	Passed								
thyme and thyme oil	Passed								
white pepper	Passed								
zinc metal strips	Passed								

The EPA has created a pesticide classification called: “Minimum Risk Pesticides”. These pesticides have products for use as herbicides, fungicides, insecticides, and repellants.

All the products that meet the EPA requirements for minimum risk pass Thurston County’s review criteria. The data that is normally required for pesticide ingredient registration is waived for all pesticides that meet the requirements of a 25B minimum risk pesticide. The requirements include that all active ingredients are from the 25B list, and all the other ingredients are the EPA’s most current list 4A ([Minimum Risk Inert Ingredients](#)).

Thurston county considers these pesticides ingredients low in hazard, however, they can still cause injury. Many of the minimum risk products can cause mild to severe skin and eye irritation – so follow all label directions.