

From: [Talitha Thalya](#)
To: [ECY RE Fish Consumption](#)
Subject: Hope for changes
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I would like to see the chemicals listed below banned from our state.... the data has been out a long time . Regulating keeps the door open for its harmful use, only banning its use and removing it from store shelves will keep our food safe. A little harm is too much.

Thanks

Talitha Thalya

Diazinon, carbaryl, Atrazine and Lindane exceeded U.S. Environmental Protection Agency (US EPA) and other chronic aquatic-life criteria.

Diazinon, 2,4-D, and MCPP are the most frequently purchased pesticides.

- **carbaryl**, marketed as **Sevin** and used in flea treatments and lawn care, control pests on fruit trees, vegetable crops, cut flowers, turf and in oyster beds among other things; The EPA estimates about 1.4 million pounds are used each year to .
- **Atrazine** Atrazine is used to kill both broadleaf and grassy weeds. It is the second most widely used herbicide in the United States, after glyphosate. .. Atrazine potent disruptor of endocrine hormones, such as estrogen and testosterone - in fish, amphibians, birds, reptiles, laboratory rodents and even human cell lines at levels of parts per billion. Recent studies also found a possible link between human birth defects and low birth weight and atrazine exposure in the womb. research has found that "atrazine induces infertility, prostate cancer and breast cancer in rats and is associated with these diseases in humans in several published studies." "Some 80 million pounds of the herbicide atrazine are applied annually in the United States on corn and sorghum to control weeds and increase crop yield, but such widespread use also makes atrazine the most common pesticide contaminant of ground and surface water,
Male frogs are made into both male and female ... **Its the number one contaminate of our water supply across the nation.**
Seven EU countries in the European Union ("EU") have banned atrazine in 2004 : France, Sweden, Denmark, Finland, Germany, Austria and Italy. These countries have a policy of banning pesticides that occur in drinking water at levels higher than 0.1 parts per billion.
- Diazinon was frequently detected in urban streams tested in the Puget Sound region in concentrations that exceed guidelines for protecting aquatic life. This dangerous insecticide has recently been phased out of certain uses by the EPA because of its harmful effects. One senior scientist at NOAA has reported that certain pesticides are among the "contaminants of concern" that can **impact salmon survival. Many pesticides can harm fish, even in very small amounts.**
- **Lindane**
- **MCPP**
- Mecoprop Trade names include Kilprop, Mecopar, Triester-II, Mecomin-D, Triamine-II (with MCPA and 2,4-DP), Triplet (with 2,4-D and dicamba), TriPower (with MCPA and dicamba), Trimec (with 2,4-D and dicamba), Trimec-Encore (with MCPA and dicamba), and U46 KV Fluid . . . /The duration of mecoprop's residual activity in soil is about two months. Adsorption of mecoprop increases with an increase in organic matter in the soil. Unaged MCPP and its salt forms are very mobile in a variety of soils (3). Because of this high mobility, it may potentially leach into groundwater (6). However, in general, phenoxy herbicides such as MCPP are not sufficiently persistent to reach groundwater (6).
- m-chlorophenylpiperazine (**mCPP**) is a serotonin agonist that binds to serotonin Journal of Architectural **Engineering**, 2, No. 2 (1996) 78-79

- **2,4-D**
- **carbofuran**, marketed as **Furadan**, and About 1 million pounds is used on corn, alfalfa and potatoes.
- **methomyl**, sold under brand names including **Lannate and Bug Master**used on vegetable and orchard crops, livestock quarters and garbage containers.
- **“Weed and feed”** contains some of the most harmful chemicals to **bees, fish and aquatic life**
- malathion
- chlorpyrifos

Carbaryl is **banned** in Austria for all uses.

Studies there have shown mutagenic and ... that aquatic **carbaryl** levels **not** exceed 0.02 parts per billion. ...

malathion, diazinon and chlorpyrifos.The fisheries services recommended buffer
The fisheries agency and EPA are reviewing a total of 37 pesticides under terms of the settlement of the lawsuits brought by

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<http://www.pesticide.org/UrbanPesticidesChart.html>

<http://www.pesticide.org/>

A couple of years ago, the Department of Ecology found that stormwater annually washed between **6.3 and 8 million gallons of petroleum products into Puget Sound**, equivalent to an *Exxon Valdez* spill every couple of years.