# PESTICIDES SUBJECT TO BUFFER ZONES IN WASHINGTON STATE
## Pesticide/ESA Effects Determinations Listed by Evolutionary Significant Unit (ESU)[1]

| | |
|---|---|
| | **Buffers required** - "may affect" determination or no determination made to date |

| | |
|---|---|
| | **No buffers** - "no effect" or "may, but not likely to adversely affect" determination |

Click on the waterbody name for a specific ESU in the following table to view a detailed map in Adobe Acrobat PDF Format. The maps, produced by NOAA Fisheries, show the ESU geographic boundaries. WSDA has developed county-specific maps to identify salmon-bearing streams within the ESUs and provided a list of exceptions to the buffers required by the final ruling in Washington Toxics Coalition, et al., v. EPA

| Active Ingredient Information | | Evolutionary Significant Units (ESUs) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Chum | Chinook (Spring-run) | Steelhead | Steelhead | Chinook | Steelhead | Chum (Summer-run) | Sockeye | Chinook | Chinook (Fall-run) | Chinook (Spring/ Summer-run) | Steelhead |
| Chemical | Product Names | Columbia River | Upper Columbia River | Upper Columbia River | Middle Columbia River | Lower Columbia River | Lower Columbia River | Hood Canal | Ozette Lake | Puget Sound | Snake River | Snake River | Snake River |
| 1, 3-dichloropropene | Inline, Telone, Tri-Cal, Tri-Form | | | | | | | | | | | | |
| 2, 4-D | Amine 4, Crossbow, Curtail | | | | | | | | | | | | |
| acephate | Orthene | | | | | | | | | | | | |
| alachlor | Lasso | | | | | | | | | | | | |
| atrazine | Aatrex, Atrazine | | | | | | | | | | | | |
| azinphos-methyl | Guthion | | | | | | | | | | | | |
| bensulide | Prefar, Betasan | | | | | | | | | | | | |
| bentazon | Basagran, Pledge | | | | | | | | | | | | |
| bromoxynil | Buctril | | | | | | | | | | | | |
| captan | Captan | | | | | | | | | | | | |
| carbaryl | Sevin, Savit | | | | | | | | | | | | |
| carbofuran | Furadan | | | | | | | | | | | | |
| chlorothalonil | Bravo, Daconil | | | | | | | | | | | | |
| chlorpyrifos | Dursban, Lorsban | | | | | | | | | | | | |
| coumaphos | Agridip, Dilice, Meldame, Resistox | | | | | | | | | | | | |
| diazinon | several | | | | | | | | | | | | |
| dicamba | Banvel | | | | | | | | | | | | |
| dichlobenil | Casoron | | | | | | | | | | | | |
| diflubenzuron | Dimilin | | | | | | | | | | | | |
| dimethoate | Cygon | | | | | | | | | | | | |
| disulfoton | Di-Syston | | | | | | | | | | | | |
| diuron (crop)[2] | Direx, Karmex | | | | | | | | | | | | |
| diuron (non-crop)[3] | Direx, Karmex | | | | | | | | | | | | |
| ethoprop | Holdem, Mocap | | | | | | | | | | | | |
| fenamiphos | Nemacur | | | | | | | | | | | | |
| fenbutatin-oxide | Vendex | | | | | | | | | | | | |

[1] An Evolutionarily Significant Unit or "ESU" is a distinctive group of Pacific salmon or steelhead.
[2] Only high application rate crops with use during the winter or late winter seasons (peaches, filberts and walnuts) exceed levels of concern. Diuron use on other crops will have no effect on listed salmon and steelhead.
[3] There is believed to be a large amount of diuron use on rights-of-way and other non-crop sites in Washington. The "may effect" determination is based on the high label application rates, the potential direct and indirect effects of diuron at high rates, and the uncertainty of exposure.

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| iprodione | Rovral | | | | | | | | | | | | |
| lindane | Isotox, Lindane | | | | | | | | | | | | |
| linuron | Linex, Lorox | | | | | | | | | | | | |
| malathion | several | | | | | | | | | | | | |
| methamidophos | Monitor | | | | | | | | | | | | |
| methidathion | Supracide, Ultracide | | | | | | | | | | | | |
| methomyl | Lannate | | | | | | | | | | | | |
| methyl parathion | Penncap-M, Declare | | | | | | | | | | | | |
| metolachlor | Dual, Bicep | | | | | | | | | | | | |
| metribuzin | Axion, Lexone, Sencor | | | | | | | | | | | | |
| molinate | Hydram, Molinate, Ordram | | | | | | | | | | | | |
| naled | Dibrom | | | | | | | | | | | | |
| norflurazon | Evital, Solicam, Zorial | | | | | | | | | | | | |
| oryzalin | Surflan | | | | | | | | | | | | |
| oxyfluorfen | Goal | | | | | | | | | | | | |
| paraquat dichloride | Gramoxone, Starfire | | | | | | | | | | | | |
| pebulate | Tillam | | | | | | | | | | | | |
| pendimethalin | Prowl | | | | | | | | | | | | |
| phorate | Thimet | | | | | | | | | | | | |
| phosmet | Imidan | | | | | | | | | | | | |
| prometryn | Caparol, Prometryne | | | | | | | | | | | | |
| propargite | Omite, Comite | | | | | | | | | | | | |
| simazine | Princep, Simazine | | | | | | | | | | | | |
| tebuthiuron | Spike | | | | | | | | | | | | |
| terbacil | Sinbar | | | | | | | | | | | | |
| thiobencarb | Saturn, Bolero | | | | | | | | | | | | |
| thiodicarb | Larvin | | | | | | | | | | | | |
| triclopyr BEE | Garlon 4, Crossbow | | | | | | | | | | | | |
| triclopyr TEA | Garlon 3A, Redeem | | | | | | | | | | | | |
| trifluralin | Treflan, Trific, Trilin | | | | | | | | | | | | |