

SALMON-SAFE HIGH HAZARD LIST OF PESTICIDES (February 2025)

Insecticides

abamectin*	dimethoate ⁽³⁾	methamidophos ⁽³⁾	propargite* ⁽⁷⁾
acephate	esfenvalerate*	malathion* ⁽¹⁾	spiroticlofen*
bifenthrin*	ethoprop ⁽³⁾	methidathion	spirotetramat
carbaryl ⁽²⁾	fenamiphos* ⁽³⁾	methomyl	tefluthrin*
chlorantraniliprole	fenbutatin-oxide** ⁽⁷⁾	methyl parathion	terbufos*
chlorpyrifos** ⁽²⁾	fenpyroximate*	naled* ⁽³⁾	thiacloprid
cyfluthrin*	flupyrifur*	novaluron	tralomethrin*
cypermethrin*	imidacloprid	permethrin*	zeta-cypermethrin
diazinon** ⁽¹⁾	indoxacarb	phorate** ⁽³⁾	
diflubenzuron ⁽⁷⁾	lambda-cyhalothrin*	phosmet* ⁽³⁾	

Fungicides

azoxystrobin*	copper sulfate**	mancozeb	quintozene (PCNB)
bensulide	fenarimol	maneb*	thiram
captan	folpet*	picoxystrobin*	trifloxystrobin*
carboxin	inpyrfluxam	propiconazole	triflumizole
chlorothalonil* ⁽⁴⁾	iprodione	pyraclostrobin*	

Herbicides

2,4-D ⁽⁴⁾	dithiopyr	oryzalin ⁽⁵⁾	thiobencarb
alachlor	diuron ⁽⁴⁾	oxadiazon ⁺	triallate
atrazine	fluazifop-p-butyl	oxyfluorfen	triclopyr BEE ⁽⁴⁾
bromoxynil*	isoxaben	pendimethalin ⁽⁵⁾	trifluralin ⁽⁵⁾
copper sulfate**	linuron ⁽⁴⁾	pentachlorophenol (PCP)*	paraquat dichloride
dichlobenil	metalochlor	prometryn	simazine
dichlofop-methyl	norflurazon ⁺	pyraclonil	sulfentrazone

Very Highly Acutely Toxic and/or Highly Acutely Toxic¹ to fish and/or aquatic invertebrates.
Based on EPA's Aquatic Life Benchmarks².

Pesticide names followed by a number in parentheses indicates the specific NOAA /NMFS Biological Opinion where it was assessed for jeopardy and/or habitat destruction/modification to endangered salmonids in accordance with the Endangered Species Act (<https://www.epa.gov/endangered-species>), regarding the 37 pesticides listed in the Washington Toxics Coalition (WTC) court settlement. Completed BiOps listed below³.

* Active ingredients being Very Highly Acutely Toxic (LC50 or EC50 <100 ug/L) to BOTH fish and aquatic invertebrates

⁺ Active ingredients determined to generally have very high potential for risk of off-target movement through surface runoff, based on the pesticide's adsorption to soil/sediment and its field dissipation half-life (persistence) <https://cpestmanagement.ucanr.edu/files/237465.pdf>

** Salmon-Safe limited-use restrictions apply to any pesticide containing copper, including copper hydroxide, copper ammonium hydroxide, copper carbonate, copper oxide, and others.

