

APPENDIX A: SALMON-SAFE FARM HIGH RISK PESTICIDE LIST

Certain pesticides are a serious threat to salmon and other aquatic life. In addition to killing fish, these pesticides at sub-lethal concentrations can stress juveniles, alter swimming ability, interrupt schooling behaviors, cause salmon to seek sub-optimal water temperatures, inhibit seaward migration and delay spawning. All of these behavioral changes ultimately affect survival rates.

The following chart lists many of the pesticides known to cause problems for salmon and other fish. The list includes chemicals that could be used in agricultural applications that are listed with the EPA in various risk categories. Use this chart to help identify pesticides that require special consideration. Please note that this chart lists only some of the currently available pesticides in common usage.

A farm using any of the pesticides indicated as “High Risk” below may be certified only if written documentation is provided that demonstrates a clear need for use of the pesticide, that no safer alternatives exist, and that the method of application (such as timing, location, and amount used) represents a negligible risk to water quality and fish habitat.

AGRICULTURAL PESTICIDES THAT POSE HIGH RISK TO SALMON AND AQUATIC LIFE

1,3-dichloropropene	Dimethoate	Norflurazon
2,4-D	Dimethylformamid	Oryzalin
Abmectin	Disulfoton	Oxyfluorfen
Acephate	Diuron	Paraquat Dichloride
Altacor	Emamectin Benzoate	Parathion
Atrazine	Esfenvalerate	Pebulate
Azinphos-Methyl	Ethoprop	Pendimethalin
Bensulide	Extoxazole Technical	Permethrin
Bentazon	Fenamiphos	Phorate
Bifenazate	Fenpyroximate	Phosmet
Bifenthrin	Fenbutatin-Oxide	Prometryn
Bromoxynil	Folpet	Propargite
Carbaryl	Imidacloprid	Propiconazole
Carbofuran	Iprodione	Rimon
Carboxin	Lindane	Quintozene
Carfentrazone-ethyl	Linuron	Rimon
Chlorothalonil	Malathion	Simazine
Chlorpyrifos	Mancozeb	Spinosyn
Copper Sulfate ¹	Maneb	Spirodiclofen
Coumaphos	Methamidophos	Tebuthiuron
Cyhalothrin	Methidathion	Terbacil
Cypermethrin	Methomyl	Terbufos
Diazinon	Methyl Parathion	Thiacloprid
Dicamba	Metolachlor	Thiram
Dichlobenil	Metribuzin	Triallate
Diclofop-methyl	Molinate	Triclopyr
Diflubenzuron	Naled	Trifluralin

¹ Salmon-Safe restrictions apply to any copper-containing pesticide including copper hydroxide, copper ammonium hydroxide, copper carbonate, and copper oxide, and others.

