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Chemicals in fish food culture

Aquaculture Department, Southeast Asian Fisheries Development Center

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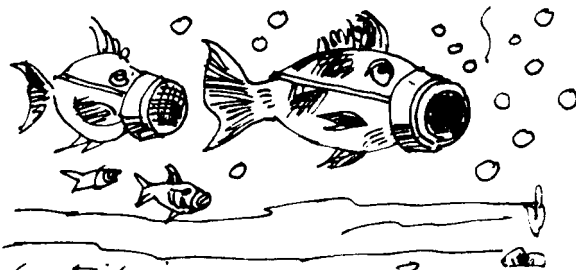
Chemicals in Fish Food Culture

Chemicals registered or approved by the U.S. Food and Drug Administration for use in food fish culture¹

Product	Use
THERAPEUTANTS	
Acetic acid	Parasiticide
Formalin	Parasiticide and fungicide
Romet 30 (sulfadimethoxine and orthomeprim)	Bactericide
Salt	Osmoregulatory enhancer
Sulfamerizine	Bactericide
Oxytetracycline (Terramycin)	Bactericide
ANESTHETICS	
Carbonic acid	Anesthetic
MS 222 (tricaine methane-sulfonate)	Anesthetic and sedative
Sodium bicarbonate	Anesthetic
DISINFECTANTS	
Calcium hypochlorite	Disinfectant, algicide, and bactericide
WATER TREATMENT	
Fluorescein sodium	Dye
Lime (calcium hydroxide, oxide, or carbonate)	Pond sterilant
Potassium permanganate	Oxidizer and detoxifier
Rhodamine B and WT	Dye
Copper sulfate	Algicide and herbicide
Copper, elemental	Algicide and herbicide
2, 4-D	Herbicide
Diquat dibromide	Algicide and herbicide
Endothall	Algicide and herbicide
Simazine	Algicide and herbicide
Clean-Flo (aluminum sulfate, calcium sulfate, and boric acid)	Algicide and herbicide
Glyphosate	Herbicide
Potassium ricinoleate	Algicide
Xylene	Herbicide

¹ The FDA often registers or approves a compound under a trade name. For example there are eight approved or registered algicides/herbicides containing copper sulfate. A single entry by chemical name has been provided in the table for these cases.

Source: *Environmental Impact of Mariculture*, COOPERATIVE RESEARCH REPORT No. 154, International Council for the Exploration of the Sea, Denmark, 1988.



There oughta be a law against the stinking mess around here!