What are legacy pesticides?
• Legacy pesticides were once widely used in agriculture and home pest control.
• Today, legacy pesticides are banned in the United States due to their harmful effects (though they may still be used in other countries).
• However, legacy pesticides persist in the environment, and can accumulate in fish and shellfish.
• Legacy pesticides include chemicals like DDT (dichlorodiphenyltrichloroethane) and related compounds, dieldrin, chlordane, and toxaphene.
• Only a few California water bodies have fish with significant levels of these chemicals.

What is the health concern for humans?
• High levels of legacy pesticides may:
  ➢ affect the developing fetus, possibly leading to later changes in learning and behavior.
  ➢ have effects on reproduction, such as decreased fertility.
  ➢ increase cancer risk.
• Women can pass legacy pesticides on to their babies when pregnant and breastfeeding.

Should I still eat fish?
• Yes! Low-contaminant fish are an important part of a healthy, well-balanced diet.
• Fish are a good source of protein, vitamins, and heart-healthy omega-3 fatty acids.
• Eating two servings of fish per week is good for you, according to the American Heart Association.
• If you are pregnant, eating low-contaminant fish may help your baby’s brain develop.

If legacy pesticides are present, which fish pose the greatest risk?
• Fatty fish, bottom feeders, and fish that eat other fish.
• Larger and older fish.

How can I reduce my risk?
• If you catch your own fish, follow the Office of Environmental Health Hazard Assessment’s (OEHHA) fish advisories for California water bodies.
• Keep in mind that legacy pesticides accumulate in the skin, fat, and some internal organs of fish or shellfish.
• Trim the fat, remove the skin, and fillet the fish before cooking. Eat only the skinless fillet (meat).
• For crab and lobster, remove the internal organs (“guts,” “butter,” or “tomalley”) and rinse out the body cavity before cooking.
• Bake or grill fish in a way that lets the juices drain away. Throw away the cooking juices.
• Boil or steam crab and lobster, and discard the cooking liquid.
• Do not use the fat, skin, organs, juices, or the whole fish or shellfish, in soups and stews.

Where can I learn more?
• OEHHA Fish Advisory Program in California
• Biomonitoring California (Organochlorine Pesticides Fact Sheet)
• ToxFaqsTM – Aldrin and Dieldrin (ATSDR)
• ToxFaqsTM – Chlordane (ATSDR)
• ToxFaqsTM – DDT, DDE, and DDD (ATSDR)
• ToxFaqsTM – Toxaphene (ATSDR)