

Pyrethroid Reevaluation Active Ingredient Specific Data Requirements.

Environmental Fate Data:

The required environmental fate studies are to be conducted utilizing the U.S. Environmental Protection Agency's (U.S. EPA's) Pesticide Assessment Guidelines: Subdivision N, Chemistry: Environmental fate, and OECD Guidelines or OPPTS Harmonized Test Guidelines:

1. Water solubility;
2. Octanol/water partition coefficient;
3. Soil adsorption coefficient. Report K_D and K_{OC} (L/Kg). Use three California soils with approximately 0.5%, 1.0%, and 2% organic carbon;
4. Hydrolysis half-life at pH 5, 7, and 9;
5. Photolysis half-life in water; and
6. Aerobic and anaerobic soil half-lives (metabolism). Use the same soils as used for soil adsorption coefficient study, if possible. Use three California soils with approximately 0.5%, 1.0%, and 2% organic carbon.