



U.S. Fish & Wildlife Service

# National Conservation Training Center

*Conserving the Nature of America*

## CSP2132 - Rotenone and Antimycin Use in Fish Management

Course Code	<b>CSP2132</b>
Course Title	<b>Rotenone and Antimycin Use in Fish Management</b>
Description	<p>This four and one-half day training provides a foundation for the planning and execution of a fish sampling/control/eradication project using the fish management chemicals rotenone and antimycin.</p> <p><b>Topics include:</b></p> <ul style="list-style-type: none"><li>• product chemistry &amp; toxicology;</li><li>• application, monitoring, &amp; neutralization techniques;</li><li>• applicator safety;</li><li>• integration with fisheries management or conservation plans;</li><li>• species sensitivities;</li><li>• pre- &amp; post-project monitoring;</li><li>• safety;</li><li>• public involvement &amp; education;</li><li>• environmental laws;</li><li>• project planning;</li><li>• environmental effects analysis;</li><li>• project implementation &amp; management; and</li><li>• crisis management strategies.</li></ul> <p>Application techniques are practiced in hands-on laboratory and field exercises. Successful completion of a final exam will give the participant a certificate of completion.</p> <p><b>Objectives:</b></p> <ul style="list-style-type: none"><li>• Develop strategies for fish removal that reflect sensitivities of target species, characteristics of the piscicides, and important environmental conditions;</li><li>• Explain piscicide label contents and requirements;</li><li>• Safely execute a rotenone or antimycin treatment;</li><li>• Characterize effects of piscicides on target and non-target organisms;</li><li>• Identify and describe key environmental laws, regulations, and processes/procedures to ensure compliance with ESA, FIFRA, NEPA, and individual state regulations;</li><li>• Develop public involvement, application, neutralization, monitoring, and safety plans; and</li><li>• Implement application and neutralization techniques for flowing and standing waters that avoid or minimize environmental impacts.</li></ul> <p><b>Target Audience:</b></p> <p>The course is designed for fish biologists who must manage or supervise the planning and execution of a fish sampling/control/eradication project using rotenone or antimycin.</p>
Delivery Method	Instructor Led
Non-FWS Fee	\$1,195.00
Instructional Hours	36
Credits/CEUs	3.0
Course Content Contact	Gary Schetrompf: gary_schetrompf@fws.gov; (304) 876-7255; <a href="mailto:gary_schetrompf@fws.gov">gary_schetrompf@fws.gov</a>
Curriculum Category	<b>Habitat Assessment Restoration and Management</b>
Course Frequency	Every other year
Registration Link	LMS
DOI LEARN Course Type	ILT
College Credit Name	Semester Hours
College Credit Value	2

--	--

**Schedule: CSP2132 - Rotenone and Antimycin Use in Fish Management**

---