



U.S. Army Engineer
Research and Development Center

Aquatic Plant Control Research Program

Description of Technology

The U.S. Army Corps of Engineers Aquatic Plant Control Research Program (APCRP) is the Nation's only Federally authorized research program directed to develop technology for the management of non-indigenous aquatic plant species. The APCRP is conducting research to acquire an improved understanding on the role of aquatic plants in the aquatic ecosystem and develop new biological and chemical technologies for their management. Ecologically based, integrated plant management strategies for aquatic plants are being developed. In addition, innovative technologies are being developed to prevent the initial introduction and spread of non-indigenous aquatic plant species, and to replace problem aquatic plants with native species, providing much-improved aquatic habitat for fish and wildlife.

Benefits

The APCRP provides managers with effective, economical, and environmentally compatible technologies for the assessment and management of problem aquatic plants, and the establishment of native plants and ecosystem restoration. These technologies are a significant asset in implementing clean water initiatives by restoring aquatic systems harmed by non-indigenous aquatic plant species.

Technology Transfer

The APCRP Web site at <http://www.wes.army.mil/el/aqua/> provides access to technical reports, technical notes, research briefs, and information bulletins in Portable Document Format. The Aquatic Plant Information System, Online Version is available on the APCRP Web site and provides information on the identification and management of five aquatic plants (alligatorweed, Eurasian watermilfoil, hydrilla, waterhyacinth, and waterlettuce). The Aquatic Plant Information System CD, Version 2.0 contains information on the identification, biology, ecology, and management of more than 60 species of native and non-indigenous aquatic and wetland plant species. The Aquatic Plant Identification and Herbicide Use Guide identifies priority nuisance aquatic plants on a nationwide basis and lists all of the registered herbicides for reservoirs and riverine environments.

Points of Contact

Dr. John W. Barko (CEERD-EV-E), (601) 634-3654, Fax: (601) 634-2430, John.W.Barko@erdc.usace.army.mil
Mr. Robert C. Gunkel, Jr. (CEERD-EV-E), (601) 634-3722, Fax: (601) 634-2430, Robert.C.Gunkel@erdc.usace.army.mil

