

# **Integrated Herbicide Program for Control of Aquatic Weeds and Algae in Irrigation Canal Systems**

*David C. Blodget, SePRO Corporation, Bakersfield, CA 93314*  
[daveb@sepro.com](mailto:daveb@sepro.com)

Herbicides are an effective part of integrated aquatic plant management programs. Aquatic vegetation management has been slow to change over the years, due in part to the inherent difficulty in finding new molecules that will have effective control on aquatic weeds while remaining selective to desirable species and still allowing the use of the treated water body for irrigation, recreation or domestic use. Since 2007, **Sonar® AS** has been registered for use on dry or de-watered irrigation canals in an off-season application. In an effort to increase the range of control options and mode-of-action portfolio available to the irrigation market, there has been a recent expansion of available pre-emergent aquatic herbicide products for this use.

This presentation will discuss a short history of aquatic weed control. From mechanical to in-season applications. Best Management Practices that have shown by utilizing a pre-emergent program followed by in-season treatment products as needed, either stand alone or in combination, has improved overall efficacy while reducing maintenance costs for irrigation system operators.

Management of algae will also be discussed. Reduction in submersed aquatic weeds has increased the need to do algae control independently during the irrigation season.