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FARM IRRIGATION RESERVOIR ALGAE TREATMENT CASE STUDY

Project Situation

A ranch operation had three irrigation reservoirs (½ acre, 1 acre and 5 acres) which were used to irrigate 1,600 acres of citrus and olive trees. Filamentous algae blooms became a problem for the pumps and micro irrigation system. An alternative to chemical treatments was desired to control the algae and keep the micro emitters from clogging.

Products/Technology Used

BioWorld was contacted to provide environmentally safe and natural algae treatment products.

Targeted treatments of 6 gallons BioWorld Liquid Optimizer (Product #35064) and 6 x ½ pound BioWorld Algae Competitor Microbes (Product #30086) were applied on a weekly basis around the perimeter of the reservoirs.

Results

BioWorld Liquid Optimizer and Algae Competitor Microbes helped manage the filamentous algae in the reservoirs and balance the reservoir ecosystems. Subsequent pond treatments using Optimizer and Algae Microbes were continued annually with good results. Filamentous algae growth was effectively controlled, emitters remained unclogged and the pumping systems operated as expected.

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