

Diversified Technologies, Inc. Installed a PEF (Pulsed Electric Field) Predator Control System for Algae at AzCATI Lab

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Funded by a USDA NIFA SBIR, Diversified Technologies, Inc. (DTI) has installed a PEF (Pulsed Electric Field) predator control system for algae process development and trials for those involved with algal and predator control applications.

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Diversified Technologies, Inc. (DTI) (<http://divtecs.com/>) has installed a PEF (Pulsed Electric Field) predator control system for algae at AzCATI Technology and Innovation at ASU. Funded by a USDA NIFA SBIR, the purpose of the system is to facilitate process development and trials for predator control applications.

Algae ponds get up to 50% consumed by predators and the challenge of algal predator control is to kill microorganisms without killing the algae. PEF is a non-chemical, low energy and GRAS (generally recognized as safe) way to kill predators without harming algae. (<http://divtecs.aspiresoft.com/data/Root/AlgaeEPPublished2.pdf>) Trials can be run at AzCATI for companies and institutions growing or using a biofuels.

According to Michael Kempkes (<http://divtecs.aspiresoft.com/data/Root/AlgaeEPPublished2.pdf>), VP of Marketing, "PEF in algae predator control pool filter to create a low cost way of protecting algae crops. The cost is about \$10.00 per day for a million liter pond which is inconsequential and being saved."

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