



ENVIRONMENTAL  
SOLUTIONS

# UPL's ADAPT™ Drone Boat Brings Precision Technology to Aquatics Market

UPL makes sustainability a priority in the aquatics market by commercializing the ADAPT™ drone boat.

KING OF PRUSSIA, Pa. (June 1, 2022) – UPL Environmental Solutions announces the commercialization of the ADAPT™ (Aquatic Delivery Autonomous Precision Technology) autonomous drone boat, a leading advancement for aquatic resource managers.

“Until now, there has been limited innovation in the aquatics market for the past 20 years,” says Jeremy Slade, Business Lead, Aquatics, UPL Environmental Solutions. “The ADAPT drone boat allows operators to be more efficient with their time, target spray applications to areas where needed and be more profitable by offering precision mapping and on-site customer service.”

Developed in partnership with North Carolina State University, the ADAPT Drone Boat can be operated manually or autonomously. This easy-to-use application delivery method allows operators greater treatment precision and reduces the potential of exposure to the aquatic applicator.

The 72-inch-long boat can reach a top speed of 7 mph, with a run time of 4 hours within a 1-mile distance. With a 16-gallon spray tank and on/off feature, the boat can apply herbicides/algacides to various species quickly and efficiently.

“To manage our aquatic resources in the most sustainable way possible, UPL Environmental Solutions is keenly aware the industry needs advanced technology solutions like the ADAPT drone boat,” Slade adds. “Safety and precise application methods are imperative.”

ADAPT's autonomous feature allows the operator to create a predefined track that is stored in the boat's memory, allowing the boat to run the track automatically when directed by the applicator. An enhanced feature of autonomous mode is the ability of the applicator to set specific waypoints on the track where the spray pump turns on and off.

The boat is also equipped with several safety features, including a real-time video camera mounted on the bow which transmits a video feed to the applicator on the hand-held controller. Redundant GPS receivers, inertia meters and compasses significantly reduce the possibility of a “fail to run” situation. If there is a low battery or signal loss, the boat will automatically return to the original launch point.

With several custom options, applicators can create their ideal application platform. Each drone boat includes free training with UPL sales and technical service representatives.



# ENVIRONMENTAL SOLUTIONS

The ADAPT drone boat will be on display at several aquatic management conferences in 2022, including the Aquatic Plant Management Society Annual Meeting and University of Florida Institute of Food and Agricultural Sciences Aquatic Weed Control Short Course. For additional details about the ADAPT drone boat, download the technical brochure, or talk to your UPL aquatics representative:

- [Dr. Justin Nawrocki](#), UPL Product Development and Technical Service Manager
- Mr. [Jacob Meganck](#), UPL Midwest Territory Sales Manager
- Mr. [Dean Jones](#), UPL Southeast Territory Sales Manager

Aquatics is one of the specialities in the Environmental Solutions business, including development and delivery of innovative products for the fumigants and specialty markets, including turf and ornamental plant health.

## **ABOUT UPL**

UPL is a leader in global food systems, as one of the top 5 agricultural solutions companies worldwide. With revenue of US\$5 billion, UPL has a presence in 130 countries. With market access to 90 percent of the world's food basket and a focus on high-growth regions, UPL represents a compelling value proposition for growers, distributors, suppliers and innovation partners in a consolidating market. UPL offers an integrated portfolio of both patented and post-patent agricultural solutions for various arable and specialty crops, including biological, crop protection, seed treatment and post-harvest solutions covering the entire crop value chain.

## **Media Contact UPL:**

Kimberly Gilbert  
North American Marketing Communications Manager  
UPL NA Inc.  
[kimberly.gilbert@upl-ltd.com](mailto:kimberly.gilbert@upl-ltd.com)