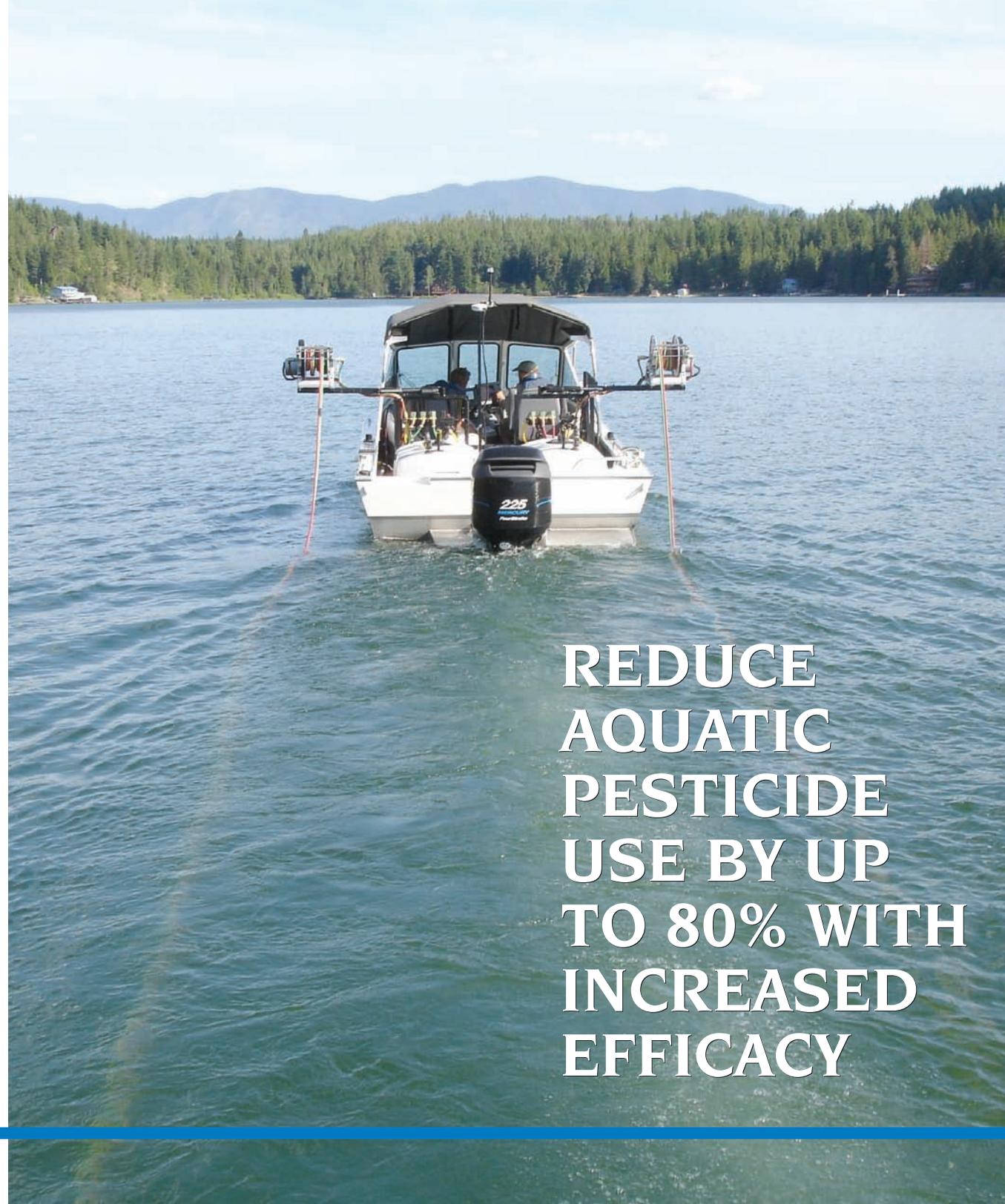


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**REDUCE  
AQUATIC  
PESTICIDE  
USE BY UP  
TO 80% WITH  
INCREASED  
EFFICACY**

# Littoral Zone Treatment Technology

The *LittLine*™ is a Patent Pending Littoral Zone Treatment Technology that was developed to support aquatic pesticide applications for the control of Invasive Aquatic Species (vegetation, cyanobacteria, mussels and fish).

Through the use of *LittLine*™ technology, aquatic pesticides applications can target any portion of the water column, rather than the entire water column, providing the potential to cut pesticide use by up to 80% in some instances, such as benthic algae treatments. The *LittLine*™ was demonstrated on the Idaho State Department of Agriculture (ISDA) grant funded Pend Oreille Eurasian Watermilfoil (EWM) Control Project during the summer of 2008, and reduced pesticide use by up to 50% in some areas with increased efficacy.



During the aquatic pesticide applications on the Pend Oreille Lake and River system during the summer of 2008, three (3) *LittLine*™ systems treated over 1,800 acres with a combination of aquatic herbicides for the control of Eurasian watermilfoil without equipment failures or hose snags. The computer controlled application system guarantee's the exact placement of aquatic herbicides at the correct target rate, and in the exact location of the vegetation to be controlled.

Water Exchange Evaluations were carried out by the US Army Corps of Engineers, Environmental Research and Development Center (ERDC), on the Pend Oreille Project during the summer of 2008, and the initial data shows that the *LittLine*™ was able to make the herbicide applications at desired depths throughout the water column.

In the Pack River treatment sites, an independent review by Mississippi State University (MSU) scientists, showed complete control of Eurasian Watermilfoil at 145 of 150 pre-treatment sampling points, with small fragments present at 5 of the sites. Control was rated at 92% using 50% of the normal herbicide rate, with little to no impact to the native plant community.



**Contact LittLine Environmental Technologies LLC at 208-665-1475**

