



**Entomology  
Department**

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## **Long Lasting Floating Pitfall Trap**

**Inventors:** Katherine Parys, Seth Johnson

### **Description:**

AgCenter scientists have invented a new type of floating pitfall trap meant to capture and study insects and spiders associated with aquatic habitats, and determine their distributions within a certain location. The trap has superior performance in areas with increased amounts of aquatic vegetation and is designed for long term use with minimal need for upkeep or replacement. The trap can be placed in hard to sample wet areas which allows it to catch a wider variety of insects, and is additionally useful in areas that are seasonally flooded or have frequent changes in water level. The patent pending prototype has already captured several new species.

### **Advantages:**

- Longer lasting
- Easy, infrequent maintenance
- More versatile placement

### **Commercial Uses:**

- Aquatic biodiversity sampling
- Monitoring biological control agents of invasive aquatic vegetation

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