

# GIANT SALVINIA

# INTEGRATED PEST MANAGEMENT

Implementation of all applicable control methods for a greater combined benefit.

## CHEMICAL

- EPA approved aquatic herbicides
- Surface or whole water body application
- LDWF Spray Crews
  - Maintenance and small areas
- Private contract applicators
  - Aerial and boats



◀ Helicopter spraying herbicides

LDWF Spray Crews ▶



## MECHANICAL

### Drawdowns

- Most efficient method to control a large area

### Booms

- Often placed at boat launches to keep lanes open and decrease transportation from trailering

### Machines

- Mechanical harvesters are ineffective for large acreage



◀ Dried/dead plant material after drawdown



Booms ▶

## BIOLOGICAL

### Giant Salvinia Weevils

- Native to Southeastern Brazil
- Species Specific
  - Will only reproduce on Giant Salvinia
- Adult and larvae consume plant
- LDWF started stocking in 2005
- Proven effective in South Louisiana



◀ Weevil on Giant Salvinia

Weevil close up ▶



### TRIPLOID GRASS CARP

- Are NOT an effective biological control
- Will not eat Salvinia