Aquatic Weeds in EAA Canals

Lyn Gettys, PhD
University of Florida IFAS FLREC
lgettys@ufl.edu
Florida’s environment
Common EAA aquatic weeds
Waterhyacinth

_Eichhornia crassipes_ (Pontederiaceae)

Brazil, S. America

FL Prohibited Aquatic Plant

Plant height to 3’
Leaves 5”, round
   Leathery/rubbery
   Spongy petioles; basal
Roots dark, feathery
Showy purple flowers
Waterhyacinth
Waterhyacinth

2,4-D, triclopyr, Diquat, glyphosate, Penoxsulam
Waterlettuce

*Pistia stratiotes* (Araceae)

S. America, Africa, SE US???

FL Class 2 Prohibited Aquatic Plant

Plant width to 2’
Leaves to 1’, scalloped
  Thick, dull green, sessile
Roots light, feathery
Inconspicuous flowers
Waterlettuce

2,4-D, diquat, endothall

Flumioxazin
Algae

Many types, many species…

- Planktonic
- Macrophytic
- Filamentous
Algae

Copper, flumioxazin
Nutrient binders (alum, PhosLock)
Torpedograss

*Panicum repens* (Poaceae)

Africa, Asia

FLEPPC Cat 1

Plant height to 3’

Leaves to 1/4” x 10”
  - Blue-green
  - Clasping hairy ligule

Open panicle to 9”

Small yellow flowers

Sharp pointed rhizome
Torpedograss

Glyphosate, Fluridone, imazapyr
Alligatorweed

*Alternanthera philoxeroides* (Amaranthaceae)

S. America

FL Prohibited Aquatic Plant

Plant height to 1’

Leaves simple, to 4”
  - Elliptic to lanceolate
  - Smooth margins
  - Opposite

Hollow stems

White flower on peduncle
Alligatorweed

Imazapyr, imazamox
Glyphosate, triclopyr
Fanwort

*Cabomba caroliniana* (Cabombaceae): native

Plant height to 30’

Submersed leaves finely cut, fan-like, 3”
  - Gelatinous
  - Opposite or verticillate/whorled

Emergent leaves ◊

Usually rooted
  - Free-floating or anchored

Flowers emergent, 0.5”
Fanwort
Crested floatingheart

*Nymphoides cristata* (Menyanthaceae)

Asia

FL Noxious Weed

Leaves 6”, cordate
  Dark red markings
  Smooth

Ridged white flowers
  ~5 petals

Spikey ramet
Crested floatingheart

Penoxsulam, imazapyr
Imazamox, endothall
Thank you!

AWCSC: May 7-10, Coral Springs

Conference.ifas.ufl.edu/aw

Lyn Gettys, Ph.D. • lgettys@ufl.edu • Go GATORS!!!