



**Timberland Division**

# Aquatic Vegetation Management

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# Water Use Site with Aquatic Vegetation

- Lakes & Rivers
- Irrigation & Drainage Systems
- Waste water Ponds
- Aquascapes (recirculating water systems)
- Industrial & Office ponds
- Golf Course & Park Ponds
- Swimming Ponds, beach areas & boat ramps
- Stockwatering Tanks & Farm Ponds
- Fish Hatcheries, Ponds, & Aqua culture facilities

# Aquatic Plant Control Methods

- Physical Removal – hand pulling / cutting
- Mechanical – Specialized equipment
- Bio Controls
- Habitat Manipulation
  - draw down – dredging bottom barriers
  - Physical shading
- Chemical shading
  - soluble dyes (Aqua Shade)
- Chemical Control
  - most common & versatile management
- IPM

# Aquatic Plant Categories

- Algae

- Closely related to Fungi – no true leaves, stems or roots.
- Spores, cell division, and fragmentation reproduction
- Control : copper – cutrine plus  
cleargate

- Floating Aquatic Plants

- Float on surface & rooted on bottom
- Free floating surface plants – nutrients come from water
- Control – cutrine plus  
cleargate  
Aquatic 2, 4-D Platoon  
Navigate  
Aquatic Glyphosate (AquaNeat)

# Aquatic Plant Categories, cont'd

- Submerged Weeds
  - Generally rooted at bottom and are under water – lack rigid cellular tissue
  - Flower may extend above water surface
  - Control: cutrine Plus / Cleargate  
Aquathol K  
Others
- Emerged Plants
  - Grow above water in shallow areas.
  - Plants generally rigid, not dependent on water for support.
  - Many are not truly aquatic.
  - Can survive in saturated soil or submerged for considerable time .

# Aquatic Plant Categories, cont'd

- Control
  - Aquatic 2, 4-D Platoon
  - Reward
  - Aquatic Glyphosate (Aqua Neat)
  - Navigate
  - Others

# Aquatic Plant Categories, cont'd

- Problematic Aquatic Plants
  - Pond weed – Curley Cup
  - Moss
  - Cattails
  - New invaders – Eurasian water milfoil
- Aquatic Surfactants
  - Spreader 90
  - Liberate
  - LI 700
  - MSO
  - Phase



# Aquatic Plant Categories, cont'd

- Manage vegetation from waters edge up – in terrestrial areas
- Riparian Area – Russian Olive / Salt Cedar

**THANK YOU !**



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