

## 6 RIVERS CISMA

APRIL 25, 2011

### TOP FIVE INVASIVE PLANT SPECIES

1. Cogon Grass (*Imperata cylindrica*)
2. Chinese Tallow Tree (*Triadica sebifera*)
3. Chinese Privet (*Ligustrum sinense*)
4. Japanese Climbing Fern (*Lygodium japonicum*)
5. Torpedo Grass (*Panicum repens*)

### TREATMENT RECOMMENDATIONS

#### 1. Cogon Grass

Option(s) for Management:

- Glyphosate (2-3% solution) / Arsenal (0.5% solution)
- Arsenal AC (greater than 24 oz / acre...about a 2% solution)
- Add fertilizer or aluminum sulfate to tank mix

Discussion(s):

- Glyphosate alone is an option, but has proven less effective in control
- Adding fertilizer, aluminum sulfate or glyphosate to tank mixes of Arsenal may have an antagonistic effect on cogon grass
- Arsenal may cause pine/oak mortality. Care should be taken to protect non-target species.
- Timing:
  - 1<sup>st</sup> burn in Spring / Early Summer (can burn after winter dormancy has occurred)
  - 2<sup>nd</sup> apply herbicide in September/October
  - 3<sup>rd</sup> may require annual treatment cycles



## 2. Chinese Tallowtree

Option(s) for Management:

### **Sapling size and above**

- Basal Bark Treatment: Garlon 4 Ultra (18% solution) w/ basal oil
- Basal Bark Treatment in Wet Areas: Garlon 3A (50% solution)
- Cut Stump: Garlon 3A or Rodeo at label rates

### **Seedlings**

- Hand pulling (especially in wet areas)
- Garlon 4 Ultra (2% solution for foliar application)

Discussion(s):

- Garlon 4 is not labeled for wetlands, aquatic areas, or in home landscapes (yards)
- Homeowners can purchase triclopyr herbicides (~9.9%) at home and garden or farm supply stores that are approved for home landscapes.



## 3. Chinese Privet

Option(s) for Management:

- Glyphosate (2% solution plus a surfactant) foliar application in mid-winter
- Hexazinone soil spot treatment
- Basal bark: Garlon 4 Ultra (18% solution) / basal oil (82% solution)

Discussion(s):

- Mid-winter treatment should be done on a warmer day when plants are actively photosynthesizing



#### **4. Japanese Climbing Fern**

Option(s) for Management:

- Glyphosate (2% solution) / Escort (1 to 2 ounces per acre) tank mix
- Clipping and pulling

Discussion(s):

- Recommended repeated applications of above tank mix
- Measures need to be taken to clean equipment before and after entering an area of infestation
- Avoid any mowing in infested areas
- Use of a dye when spraying can aid in visual recognition of treated areas
- Treat one year in advance of burning the site
- Summer burning helps reduce vertical growth



#### **5. Torpedo Grass**

Option(s) for Management:

- Glyphosate (2% solution)
- Glyphosate / Arsenal at label rates

Discussion(s):

- Rodeo formulation of Glyphosate should be used adjacent to wetland or aquatic areas
- Selective spraying may be necessary to prevent mortality to native vegetation

