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 antagonist 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