



Preventing the occurrence and spread of aquatic weed infestations in South Carolina waters can save millions of public and private dollars each year in avoided control costs.



South Carolina Noxious Weed List

Alligatorweed	<i>Athernanthera philoxeroides</i>
Brazilian elodea	<i>Egeria densa</i>
Common reed	<i>Phragmites australis</i>
Eurasian watermilfoil	<i>Myriophyllum spicatum</i>
Hydrilla *	<i>Hydrilla verticillata</i>
Purple loosestrife	<i>Lythrum salicaria</i>
Slender naiad	<i>Najas minor</i>
Water chestnut	<i>Trapa natans</i>
Water hyacinth	<i>Eichhornia crassipes</i>
Water lettuce	<i>Pistia stratiotes</i>
Water primrose	<i>Ludwigia hexapetala</i>
African oxygen weed *	<i>Lagarosiphon major</i>
Ambulia *	<i>Limnophila sessiliflora</i>
Arrowhead *	<i>Sagittaria sagittifolia</i>
Arrow-leaved monochoria *	<i>Monochoria hastata</i>
Duck-lettuce *	<i>Ottelia alismoides</i>
Exotic bur reed *	<i>Sparganium erectum</i>
Giant salvinia *	<i>Salvinia molesta</i> <i>S. biloba</i> <i>S. herzogii</i>, <i>S. auriculata</i>
Mediterranean caulerpa *	<i>Caulerpa taxifolia</i>
Melaleuca *	<i>Melaleuca quinquenervia</i>
Miramar weed *	<i>Hygrophila polysperma</i>
Pickeral weed *	<i>Monochoria vaginalis</i>
Mosquito fern *	<i>Azolla pinnata</i>
Rooted water hyacinth *	<i>Eichhornia azurea</i>
Water spinach *	<i>Ipomoea aquatica</i>
Wetland nightshade *	<i>Solanum tampicense</i>

* Also on the Federal Noxious Weed List

Special Salvinia Alert!



Have You Seen This
Plant in South Carolina?

If you have any questions or
just need more information contact us at:

<http://www.dnr.sc.gov/water/envaff/aquatic/index.html>

E-mail: invasiveweeds@dnr.sc.gov



Aquatic Nuisance Species Program
2730 Fish Hatchery Road
West Columbia, SC 29172
Phone (803)755-2872

07WR5501



**STOP AQUATIC
HITCHHIKERS!**

Prevent the transport of nuisance species



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Giant Salvinia

Giant salvinia (*Salvinia molesta*), which is prohibited in South Carolina and the United States by State and Federal law, has invaded water bodies in parts of North Carolina and Georgia close to the South Carolina border. South Carolina waterways, especially in the coastal plain, are very susceptible to invasion by this plant.

Giant salvinia can spread rapidly by fragmentation or spore production and can easily be a contaminant traveling with other aquatic plants or animals. This plant can double its coverage in less than a week! It forms dense mats which interfere with boating, fishing and recreational activities as well as degrade water quality by reducing oxygen levels and displacing desirable plant species.

If you see this plant call the South Carolina Department of Natural Resources at **803-755-2872**
E-mail: invasiveweeds@dnr.sc.gov.



Identification of this Plant

A native of South America, Giant salvinia is a small, free floating aquatic fern. It usually appears as branched stems with floating leaves in whorls of 3. Floating leaves are light to medium green, suborbicular, and 1/2 to 1 inch long and wide. The upper surface is covered with dense, stiff white hairs with distinct "egg beater" shaped tips.

Salvinia molesta can be differentiated from the more benign *Salvinia minima* by the shape of the surface hairs. *Salvinia molesta* has a characteristic "egg beater" or "bird cage" tip on the hairs while *Salvinia minima* hairs curve outward in a "T" or "umbrella" shape (See illustration). Differentiation of these types of hairs must often be done under magnification.



Salvinia minima
(surface hairs)



Salvinia molesta
(surface hairs)

How you can help!

Aquatic weed problems are caused primarily by boaters and fishermen unknowingly spreading aquatic weeds from one lake to another and homeowners disposing of water garden and aquarium plants in public waters and private ponds. You can help control the spread of invasive aquatic plants by doing the following:

When you leave a body of water:

- ◆ Remove any visible mud, plants, fish or animals before transporting equipment.
- ◆ Eliminate water from equipment before transporting.
- ◆ Clean and dry anything that comes into contact with water (boats, trailers, equipment, clothing, dogs, etc.).
- ◆ Never release plants, fish or animals into a body of water unless they came out of that body of water.
- ◆ Report aquatic weed problems in public waters to the Aquatic Nuisance Species Program, SCDNR (1-803-755-2872).



**REPORT ALL SIGHTINGS TO SCDNR AQUATIC NUISANCE SPECIES STAFF AT 803-755-2872
OR THE NATIONAL HOT LINE AT 1-877-STOP-ANS**