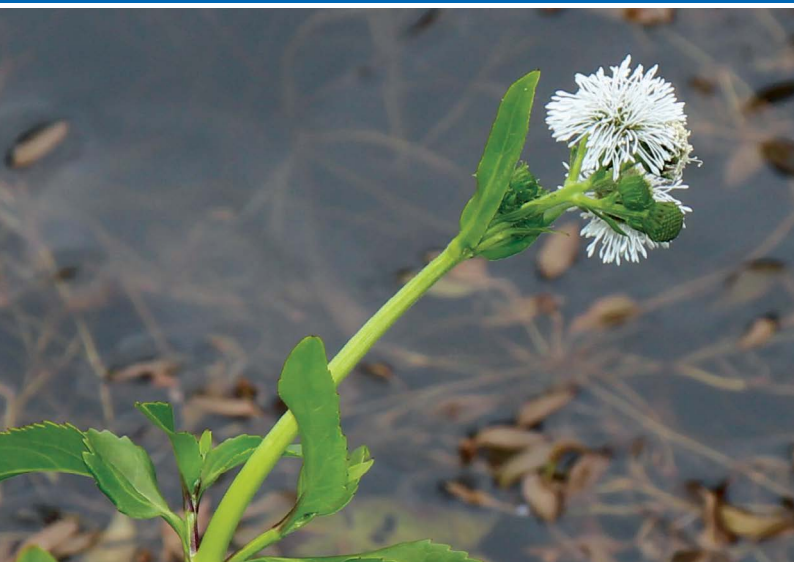


Senegal tea

Gymnocoronis spilanthoides



Senegal tea is an aggressive, invasive plant. Its stems can grow up to 15 cm per week. It can form floating mats, blocking irrigation ditches, shallow dams and other waterways.

Senegal tea has the potential to become a new water weed throughout tropical and subtropical areas of Queensland, particularly in shallow and slow-moving bodies of water.

Senegal tea is a native of tropical and subtropical South America, and was originally introduced into Australia as an aquarium plant.

Legal requirements

Senegal tea is a restricted invasive plant under the *Biosecurity Act 2014*. It must not be given away, sold, or released into the environment without a permit. The Act requires everyone to take all reasonable and practical steps to minimise the risks associated with invasive plants and animals under their control. This is called a general biosecurity obligation (GBO). This fact sheet gives examples of how you can meet your GBO.

At a local level, each local government must have a biosecurity plan that covers invasive plants and animals in its area. This plan may include actions to be taken on certain species. Some of these actions may be required under local laws. Contact your local government for more information.

Description

Senegal tea is an aquatic perennial that grows over the water surface or in wet, marshy soils. The plant can grow in various forms, producing runners and floating stems up to 2.5 m in length, or growing as rounded bushes.

Leaves are 5–20 cm in length, shiny dark green with serrated margins, and grow in opposite pairs. Stems are hollow between the nodes, allowing the plant to float. Young stems are light green in colour with dark green blotches. The young round stems become six-sided as the plant matures. Flowers resemble white pompoms and are 15–20 mm in diameter. The seed is yellow-brown and ribbed.

Life cycle

Flowering starts in late spring to early summer and continues until temperatures drop to prevent growth. The majority of seeds germinate in spring though they can also germinate in summer if conditions are right. Senegal tea will overwinter and become dormant when temperatures drop. Once conditions improve, seedlings will then germinate and existing stems will reshoot.

Methods of spread

The most important method of spread in Australia is through cultivation and sale as an aquarium or ornamental water plant, and through dumping of fish tank contents into waterways.



Senegal tea spreads by broken stem and leaf fragments and seed. Seeds can be spread by water and in soil on vehicle tyres and on animals' feet.

Habitat and distribution

Initial infestations were located in New South Wales and Tasmania. In January 1995, Senegal tea was found along a creek bank in Redland Shire, on the outskirts of Brisbane. This was the first time this plant had been found in Queensland. Subsequently it has been detected in other locations around south east Queensland.

Control

Managing Senegal tea

The GBO requires a person to take reasonable and practical steps to minimise the risks posed by Senegal tea. This fact sheet provides information and some options for controlling Senegal tea.

Table 1. Herbicides for the control of Senegal tea

Situation	Herbicide	Rate	Comments
Aquatic areas	Glyphosate 360 g/L and other formulations registered for use in aquatic areas	360 g/L product: 10 mL/L (consult PERMIT 12726 for rates for other formulations)	<p>APVMA PERMIT 12726 (expires 30/06/2022)</p> <p>If a wetter is required use Nufarm Bonus (approved under APVMA PERMIT 81236 (expires 30/06/2020))</p> <ul style="list-style-type: none"> Spray between August and April DO NOT continue spraying if any adverse effects on non-target organisms such as fish DO NOT spray directly onto water surface and/or non-target species Apply spray directly onto the target weed DO NOT broadcast spray over the water
Aquatic and semi aquatic situations (non potable water areas only)	Metsulfuron-methyl 600 g/kg (e.g. Associate, Ken-Met 600)	5–10 g product/100 L water plus 100–200 mL Bonus surfactant (PERMIT 81236)	<p>APVMA PERMIT 14729 (expires 30/06/2019) (consult label)</p> <ul style="list-style-type: none"> Spray between August and April DO NOT continue spraying if any adverse effects on non-target organisms such as fish <ul style="list-style-type: none"> DO NOT spray directly onto water surface and/or non-target species Apply spray directly onto the target weed DO NOT broadcast spray over the water <p><i>Metsulfuron-methyl only:</i> DO NOT apply more than three times per year Applications should be 30 days apart Minimise off target damage and water pollution by spraying towards the bank Care must be taken when mixing to avoid soil contamination that may lead to surface or ground water contamination</p>
	Glyphosate 360 g/L registered for use in aquatic areas (numerous products)	1 L product/100 L water	

Read the label carefully before use and always use the herbicide in accordance with the directions on the label.

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Fact sheets are available from Department of Agriculture and Fisheries (DAF) service centres and our Customer Service Centre (telephone 13 25 23). Check our website at www.biosecurity.qld.gov.au to ensure you have the latest version of this fact sheet. The control methods referred to in this fact sheet should be used in accordance with the restrictions (federal and state legislation, and local government laws) directly or indirectly related to each control method. These restrictions may prevent the use of one or more of the methods referred to, depending on individual circumstances. While every care is taken to ensure the accuracy of this information, DAF does not invite reliance upon it, nor accept responsibility for any loss or damage caused by actions based on it.

Mechanical control

All removed plant material should be placed in a sealed plastic bag, left in the sunlight to decompose and then disposed of at a council-approved landfill tip. Alternatively, the material should be removed and left in the sun to dry, and then burnt. Care must be taken not to leave broken plant pieces in the area.

Herbicide control

Senegal tea can be sprayed only between August and April. Repeat treatments may be necessary.

Further information

Further information is available from your local government office, or by contacting Biosecurity Queensland on 13 25 23 or visit www.biosecurity.qld.gov.au.

