

# Barleria

*Barleria prionitis*



Photo courtesy Colin Wilson

Barleria is native to tropical Asia, Africa and India. It invades open woodland habitats and watercourses, surviving the dry season and growing vigorously with onset of the wet.

It can form dense, prickly thickets that can eliminate most other ground vegetation. Barleria seedlings grow slowly at first; however, once established they can add 50 cm per year to their height.

The plant is a popular garden ornamental and is grown in Darwin and parts of Queensland as a hedge plant because of its small thorns. Reproduction is generally by seed, and garden escapees have invaded bushland, disturbed areas and overgrazed paddocks.

## Declaration details

Barleria is a not declared plant under the *Land Protection (Pest and Stock Route Management) Act 2002*; however, plants that are not declared under state legislation may have control requirements imposed by local governments.

## Description and general information

Barleria is a robust, prickly shrub growing to about 1 m high.

It has 3–5 sharp, pale-coloured spines 1–2 cm long, in each leaf axil. Branches are smooth, brown and roughly square in cross-section. Leaves are oval, 10–12 cm long, with a pointed tip ending in a short spine.

Yellow, tubular flowers about 4 cm long with long projecting stamens occur in upright spikes at the top of the plant.

Seed capsules are oval-shaped and about 18 mm long, tapering into a 6 mm long beak. Seeds are large (8 mm long and 5 mm wide), flat and covered in matted hairs.



Queensland Government

## Control

### Herbicide control

There is no chemical currently registered for control of barleria in Queensland; however, an off-label use permit (Permit No. PER11463) allows the use of various herbicides for the control of environmental weeds in non-agricultural areas, bushland, forests, wetlands, and coastal and adjacent areas.

See Table 1 for treatment options allowed by the permit.

It is important to note that specific research on the use of herbicides to control barleria has not been undertaken to date. Therefore, the treatment options outlined in Table 1 are suggestions only, based on registered controls for similar weeds in non-agricultural areas and the specifications of PER11463. As such, their effectiveness cannot be guaranteed.

Prior to using the chemicals listed under PER11463 you must read or have read to you and understand the conditions of the permit. To obtain a copy of this permit contact your local council weed inspector or visit [www.apvma.gov.au](http://www.apvma.gov.au)

It is a requirement of the permit that all persons using products covered by this off-label permit comply with the details and conditions listed in the permit. Permit number PER11463 expires on 30 June 2014. While the permit may be extended beyond this date, there is no guarantee that it will, so contact your local council weed inspector for the latest information after the expiry date.

### Follow up

Monitor treated areas regularly for any new seedlings or regrowth.

### Further information

Further information is available from your local government office, or by contacting Biosecurity Queensland (call 13 25 23 or visit our website at [www.deedi.qld.gov.au](http://www.deedi.qld.gov.au)).

**Table 1. Herbicides registered for the control of barleria**

Method	Herbicide	Rate	Registration status	Comments
Spot spray	Glyphosate (360 g/L)	1 L per 100 L water	APVMA permit PER11463 Permit expires 30/06/2014	Read permit carefully prior to use
Spot spray	Metsulfuron-methyl (600 g/kg)	10 g per 100 L water plus wetting agent	APVMA permit PER11463 Permit expires 30/06/2014	Read permit carefully prior to use
Spot spray	2,4-D (300 g/L) + picloram (75 g/L)	1 L per 100 L water plus wetting agent	APVMA permit PER11463 Permit expires 30/06/2014	Read permit carefully prior to use
Spot spray	Fluroxypyr (200 g/L)	1 L per 100 L water	APVMA permit PER11463 Permit expires 30/06/2014	Read permit carefully prior to use
Spot spray	Triclopyr (300 g/L) + picloram (100 g/L)	500 ml per 100 L water plus wetting agent	APVMA permit PER11463 Permit expires 30/06/2014	Read permit carefully prior to use

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

Source: PER11463

Fact sheets are available from Department of Employment, Economic Development and Innovation (DEEDI) service centres and our Business Information Centre (telephone 13 25 23). Check our website at [www.deedi.qld.gov.au](http://www.deedi.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, DEEDI does not invite reliance upon it, nor accept responsibility for any loss or damage caused by actions based on it.