

Management strategies

How to treat

The choice of management strategy will depend on the density and situation of the infestation.

1. Treating isolated patches and limited infestations

Basal bark application with Starane Advanced or Access is the best method for optimum control. For stems up to 5 cm diameter, carefully spray completely around the base of plant to a height of 30 cm above ground level. Thoroughly spray into all crevices. The best time for treatment is during autumn when plants are actively growing and soil moisture is good.

Cut stump application with a brushcutter then applying Access + diesel is also an option. Treat at any time of year, cutting stems off horizontally as close to the ground as possible and immediately (within 10 seconds) treat the cut surface of each stem with the herbicide mixture.

2. Treating more extensive infestations along floodplains

Strategic use of fire to manage mimosa bush along floodplains and road reserves is a useful technique to reduce the grass bulk from around the plant and reduce the density of the bush. Once the plants have recovered from the fire (four to six months), basal bark application will be more accessible to treat the remaining plants.

Use of a heavy duty slasher/mulcher to knock down the existing stand of mimosa bush will encourage the grass to regenerate quickly, but the mimosa bush will also regrow from a multi-stemmed crown. High volume application with Grazon at 500 mL/100 L and Lontrel Advanced at 250 mL/100 L (Permit 14929) has been trialled to treat this new regrowth when 0.6 to 1 m tall

with mixed results. Plants must be actively growing (excellent soil moisture) and at the flowering stage for results to be acceptable, but neither of these options are registered uses.

For best results

In all situations, use Access at 1 L/60 L of diesel or Biosafe or Starane Advanced at 1.8 L/100 L of diesel as a basal bark application to obtain optimum results. Do not treat during periods of drought stress or when plants are not actively growing.

Treatment tips

- The best option for foliar spraying is Lontrel Advanced @ 250 mL/100 L water + metsulfuron @ 10 g/100 L water + Pulse Penetrant @ 200 mL/100 L water but only when the plants are actively growing (Permit 14929 – NSW only).
- When using basal bark application equipment, ensure there is a curved end on the wand near the orifice. This will allow you to treat both sides of each stem from the one position near the bush by changing the angle of the nozzle and also avoid potential scratches from the thorns on the plant.



Mimosa bush

(*Vachellia farnesiana*)



Access[®]
HERBICIDE

 **CORTEVA[™]**
agriscience

Mimosa bush (*Vachellia farnesiana*)

Description

Mimosa bush is a rounded shrub or small tree generally growing 1–3 m tall. It often forms thorny thickets, and is nearly always multi-stemmed. The branches grow in a zigzag shape and are usually a grey-brown colour with prominent white spots.

Leaves are a ferny type, with one to six pairs of leafy 'branches' each with five to 20 pairs of narrow, rounded leaflets 4–8 mm long. Leaves are sometimes more of a yellowish green than a pure green. Thorns are found in pairs at the base of each leaf and can grow up to 10 cm long.

The flowers are round, golden yellow to orange, about 1 cm across, and grow on stalks at the base of each leaf. Flowers develop into clusters of cigar-shaped pods, slightly curved and up to 6 cm long. The pods are dark brown or black and woody at maturity.

Mimosa bush can spread readily and grow quickly. It can be a considerable nuisance during mustering and can also hinder stock access to water.

Timing

Mimosa bush needs to be actively growing at application.

Product	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug
Access® Herbicide	✗	⚙️	✓	✓	✓	✓	✓	✓	✗	✗	✗	✗
Starane® Advanced Herbicide	✗	⚙️	✓	✓	✓	✓	✓	✓	✗	✗	✗	✗

KEY:

- ✓ Best time to spray/treat
- ⚙️ Can spray/treat if conditions are suitable
- ✗ Do not spray/treat

Herbicides for control of mimosa bush

Product*	Method of application	Rate†	State
Access® Herbicide	Basal bark and Cut stump	1:60 with diesel or Biosafe§	All
Starane® Advanced Herbicide	Basal bark and Cut stump	1.8 L/100 L of diesel distillate	All
Lontrel® Advanced Herbicide	Foliar spray	250 mL/100 L of water (Permit 14929)	NSW

Note: Preferred product option in bold. † Consult label for details of growth stage and use, especially where range of rates is given. Pulse® is a registered trademark of Nufarm Australia Limited. § Biosafe – trademark used under licence, Victorian Chemical Co Pty Ltd.



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