

## Parkinsonia (*Parkinsonia aculeata*)



### Declaration

(Code: C= City; S=Shire; T=Town)

**Category :** P1

**Location :** For the whole of the State

**Category :** P2

**Location :** For the municipal districts of Ashburton (S), Carnarvon (S), Coolgardie (S), Cue (S), Dundas (S), East Pilbara (S), Exmouth (S), Kalgoorlie/Boulder (C), Laverton (S), Leonora (S), Meekatharra (S), Menzies (S), Mount Magnet (S), Murchison (S), Ngaanyatjarraku (S), Port Hedland (T), Roebourne (S), Sandstone (S), Shark Bay (S), Upper Gascoyne (S), Wiluna (S), Yalgoo (S).

**Category :** P4

**Location :** For the municipal districts of Broome (S), Derby-West Kimberley (S), Halls Creek (S), Wyndham-East Kimberley (S).

#### Standard Control Codes (these may vary for individual plants)

<p><b>P1 REQUIREMENTS</b> Prohibits movement</p>	<p>The movement of plants or their seeds is prohibited within the State. This prohibits the movement of contaminated machinery and produce including livestock and fodder.</p>
<p><b>P2 REQUIREMENTS</b> Aim is to eradicate infestation</p>	<p>Treat all plants to destroy and prevent propagation each year until no plants remain. The infested area must be managed in such a way that prevents the spread of seed or plant parts on or in livestock, fodder, grain, vehicles and/or machinery.</p>



<p style="text-align: center;"><b>P4 REQUIREMENTS</b></p> <p>Aims to prevent infestation spreading beyond existing boundaries of infestation.</p>	<p>The infested area must be managed in such a way that prevents the spread of seed or plant parts within and from the property on or in livestock, fodder, grain, vehicles and/or machinery.</p> <p>Treat to destroy and prevent seed set all plants:</p> <ul style="list-style-type: none"> <li>• within 100 metres inside of the boundaries of the infested property</li> <li>• within 50 metres of roads and high-water mark on waterways</li> <li>• within 50 metres of sheds, stock yards and houses</li> </ul> <p>Treatment must be done prior to seed set each year. Properties with less than 2 hectares of infestation must treat the entire infestation.</p> <p>Additional areas may be ordered to be treated.</p>
<p><b>Special considerations</b></p>	<p>In the case of P4 infestations where they continue across property boundaries there is no requirement to treat the relevant part of the property boundaries as long as the boundaries of the infestation as a whole are treated. There must be agreement between neighbours in relation to the treatment of these areas .</p>

## Control Method

<p><b>Recommended herbicides</b></p>	<p>:</p> <ul style="list-style-type: none"> <li>• When actively growing <b>Triclopyr</b> <b>Triclopyr + picloram</b> <b>Access™</b> <b>Velpar® L</b> <b>Graslan</b></li> <li>• Moist soil if possible, subsurface treatment if dry <b>Velpar® L</b></li> </ul>
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<p><b>Herbicide</b></p>	<p>:</p> <p><b>Triclopyr</b> (<a href="#">various trade names - AVPMA site</a>)</p>
<p><b>Active ingredient</b></p>	<p>:</p> <p>600 g/litre triclopyr      <b>(Group I)</b></p>
<p><b>Rates of dilution for spot spraying</b></p>	<p>:</p> <p>1:60 in distillate</p>
<p><b>Amount of product per 10 litres distillate</b></p>	<p>:</p> <p>160 mL in distillate</p>
<p><b>Rate of product per hectare</b></p>	<p>:</p> <p>Not Recommended</p>
<p><b>Time of application</b></p>	<p>:</p> <p>When actively growing</p>
<p><b>Remarks</b></p>	<p>:</p> <p>Apply as basal-bark spray to mature trees. May need follow-up treatment. Mix only what can be used on day of spraying - agitate regularly.</p>
<p><b>More information and other control methods</b></p>	<p>:</p> <ul style="list-style-type: none"> <li>• Grub individual plants.</li> <li>• Trees greater than 5 m in height should be treated by stem injection.</li> </ul>

<p><b>Herbicide</b></p>	<p>:</p> <p><b>Triclopyr + picloram</b> (<a href="#">various trade names - AVPMA site</a>)</p>
<p><b>Active ingredient</b></p>	<p>:</p> <p>300 g/litre triclopyr + 100 g/litre picloram      <b>(Group I)</b></p>
<p><b>Amount of product per</b></p>	<p>:</p> <p>35 mL</p>



<b>10 litres water</b>		
<b>Rate of product per hectare</b>	:	Not Recommended
<b>Time of application</b>	:	When actively growing
<b>Time of application</b>	:	To trees under 2 m in height
<b>Remarks</b>	:	<ul style="list-style-type: none"> <li>• Add Uptake™ spraying oil @ 50 mL per 10 L of water mix.</li> <li>• Thoroughly wet foliage.</li> </ul>
<b>More information and other control methods</b>	:	<ul style="list-style-type: none"> <li>• Grub individual plants.</li> <li>• Trees greater than 2 m in height should be treated by stem injection.</li> <li>• Poor control if trees under moisture stress.</li> </ul>

<b>Herbicide</b>	:	<b>Access™</b>
<b>Active ingredient</b>	:	240 g/L triclopyr + 120 g/L picloram <b>(Group I)</b>
<b>Rates of dilution for spot spraying</b>	:	1:60 in distillate
<b>Amount of product per 10 litres distillate</b>	:	160 mL
<b>Time of application</b>	:	Plants up to stem diameter of 5 cm
<b>Remarks</b>	:	Use low pressure spray (<200 kPa) and liberally spray bark until run - off. Treat to height of 30 cm above ground.
<b>More information and other control methods</b>	:	Do not treat stems that are wet or have been burnt.

<b>Herbicide</b>	:	<b>Velpar® L (Group C)</b>
<b>Active ingredient</b>	:	250 g/litre hexazinone
<b>Rates of dilution for spot spraying</b>	:	Apply neat with a 'spot gun' to soil at 4 mL/spot. One spot for each tree (bush) up to 5 m tall.
<b>Rate of product per hectare</b>	:	Not recommended
<b>Time of application</b>	:	Apply to moist soil if possible. Use sub-surface treatment if dry.
<b>Remarks</b>	:	Needs rain to activate. Keep clear of desirable trees. Apply spots between stem and drip line. Clean 'spot gun' thoroughly after use.



<b>Herbicide</b>	:	<b>Velpar® L</b>
<b>Active ingredient</b>	:	250 g/litre hexazinone <b>(Group C)</b>
<b>Amount of product per 10 litres water</b>	:	35 mL
<b>Wetting agent dilution</b>	:	1:400 BS 1000
<b>Time of application</b>	:	Trees under 2 m tall
<b>Remarks</b>	:	<ul style="list-style-type: none"> <li>• Avoid spraying under dry conditions or when trees bearing pods.</li> <li>• Apply to foliage.</li> </ul>

<b>Herbicide</b>	:	<b>Graslan</b>
<b>Active ingredient</b>	:	200 g/kg tebuthiuron <b>(Group C)</b>
<b>Rate of product per hectare</b>	:	10 -15 kg
<b>Time of application</b>	:	When actively growing
<b>Remarks</b>	:	Apply to moist soil at beginning of 'wet' season. Plants need to be actively growing. May need follow-up treatment in the next season.
<b>More information and other control methods</b>	:	Do not apply granules within 100 m of water courses. Do not apply to ground sloping more than 11 degrees. Follow directions on label regarding distribution of granules under the drip line of trees.

## Weed Description

**Family** : Caesalpinaceae  
**Form** : Tree – Perennial  
**Status** : Present in WA

Parkinsonia is a native of tropical America. It was introduced into northern Australia as an ornamental plant, because of its attractive foliage and its drought tolerance. It was then known as Jerusalem thorn. Currently it is a serious weed in pastoral areas of the Kimberleys and Pilbara. Parkinsonian is a weed of National Significance.

Parkinsonia grows best in moist conditions along river banks and flats where it forms dense thickets. It does particularly well on tropical black soils. Once established it withstands heat and drought. It is well established in tropical Queensland, the Northern Territory and parts of Western Australia. Hundreds of kilometres of the banks of Lake Argyle, Christmas Creek and the Ord, De Grey, Maitland and Ashburton rivers are infested with Parkinsonia.

It is a large shrub or small tree growing up to 8 metres high. It sometimes has only a single stem but it usually branches close to the base following mechanical damage. The trunk and branches have bright green bark.

**Leaves** : Light green, narrow, very thin and up to 30 cm long, with numerous minute leaflets on both edges. Stiff spines about 12 mm long are formed on the branches at the base of each leaf. The spines persist on the older branches and trunks.

**Flowers** : Bright yellow and fragrant. They are 1 to 2 cm wide and are borne in loose bundles on long flower stalks hanging near the ends of the branches. Parkinsonia flowers mainly in May and June, but individual plants may flower throughout the year.

**Fruit & Seeds:** Long seed pods with marked constrictions between each seed. The pods are 5-10 cm long and straw coloured when ripe. Each pod contains several hard brown



seeds. Many of the seeds are hard and will germinate years later, in some cases after long immersion in water. The pods float and are spread by floods.

**Other relevant information related to this topic:**

- [Quarantine WA](#)
- [Permitted and quarantine species list](#)
- [Weeds of National Significance](#)
- [Permit for minor off-label-use of a registered agvet chemical product](#)  
(Permit number – per9655)
- [Off-label permit \(olp\) for use of a registered agvet chemical product](#)  
(Permit number - per4590)
- [Permit to allow minor use of an agvet chemical product](#)  
(Permit number – per7900)