

Hotshot* Herbicide



Hotshot Herbicide is a new generation herbicide that contains fluroxypyr and a new molecule called aminopyralid.

Hotshot provides a new option for land managers to control troublesome woody weeds on their property. Other herbicides lack consistency of control particularly on larger plants.

However, Hotshot Herbicide works well under a wide range of plant sizes and growing conditions. Hotshot is registered for control of a number of brushweeds including lantana, St John's wort, fireweed, marshmallow and more. See label below for full details.

Specifically on lantana:

- Hotshot is more robust (kills bigger plants) than dichlorprop (DP 600).
- Hotshot is more reliable than 350 mL/100 L Grazon* DS Herbicide and permits are not required for application in restricted areas. Additionally, there is no damage to *Eucalyptus* spp. from residual effects.
- Hotshot is more selective than glyphosate (does not kill grasses). Grass kill from glyphosate treatments may result in an invasion of unwanted secondary weeds.
- Hotshot is more cost-effective than high rates of Grazon DS and Starane* 200 Herbicide.

Weeds controlled

Agricultural non-crop areas, commercial and industrial areas, forests, pastures and rights-of-way.

WEEDS CONTROLLED	WEED GROWTH STAGE	STATE	RATE/100 L WATER	CRITICAL COMMENTS	
Fireweed (<i>Senecio madagascariensis</i>)	Flowering plants up to 30 cm tall	All states	500 mL	Apply to actively growing plants from October to April. Spray to ensure thorough coverage of all foliage, including stems, to the point of run-off.	
Thistles, including Spear thistle (<i>Cirsium vulgare</i>)	Rosette stage prior to stem elongation				
Lantana (<i>Lantana camara</i>)	Seedlings and regrowth from 0.5 to 1.2 m high				
	Mature plants and regrowth from 1.2 to 2 m high		700 mL		
Cockspur thorn (<i>Maclura cochinchinensis</i>)	Up to 3 m high				
Creeping lantana (<i>Lantana montevidensis</i>)	At flowering				
Crofton weed (<i>Ageratina adenophora</i>) Mistflower (<i>Ageratina riparia</i>)	Seedlings and young plants up to flowering				
Docks (<i>Rumex</i> spp.)	Seedlings and rosettes up to 30 cm high				
Small flowered mallow (Marshmallow) (<i>Malva parviflora</i>)	Seedlings and young plants up to flowering				
St John's wort (<i>Hypericum perforatum</i>)	From flowering to early seed set				Late spring to early summer.
Wattles, including <i>Acacia aulacocarpa</i> <i>A. decora</i> <i>A. harpophylla</i> <i>A. leiocalyx</i> <i>A. salicina</i>	Seedling plants or regrowth 0.5 to 1.2 m high				Apply to actively growing plants when soil moisture is plentiful. Some regrowth may occur particularly when treating old woody plants with sparse canopies and under dry conditions.

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Hotshot control of lantana

Twelve trials have been conducted in south-east Queensland over three seasons from 2002 to 2004, with all trials commencing when the lantana was flowering to early fruit set growth stage between January and April each season.

Table 1 shows the mean per cent control of lantana, 12 months after application across the 12 different sites. The rainfall patterns have been unreliable across these sites, so the results achieved have been less than perfect, but reflect the relative robustness of each herbicide.

Table 1. Per cent control of lantana after application of Hotshot versus current standards, 12 months after application.

TREATMENT	RATE (mL/100 L WATER)	MEAN % CONTROL
Hotshot	500	87
Hotshot	700	96
Starane 200	500	92
Roundup® 360	1000	78
Grazon DS	500	86

In a trial currently under way on lantana in the Yarraman/Tarong area, monthly applications commenced in May 2005 up to April 2006, where Hotshot was compared to three commercial standards for the control of lantana across different lantana growth stages from dormant (drought stressed) to flowering (actively growing) plants.

This trial is not complete, but pictured right is an example of how Hotshot @ 500 mL/100 L water has performed so far.

Lantana, Tarong, QLD (sprayed 15 August 2005)



Hotshot @ 500 mL/100 L at application



Hotshot @ 500 mL/100 L, 1 MAA



Hotshot @ 500 mL/100 L, 4 MAA



MAA = months after application

Hotshot @ 500 mL/100 L, 8 MAA



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