

Woody Weed

CONTROL GUIDE



Why control woody and environmental weeds?

Weeds cost Australia more than \$4 billion per year, according to a Cooperative Research Centre for Australian Weed Management (Weeds CRC) report released in July 2007. That's more than salinity. And it's approximately the same as the annual cost of illicit drugs to Australian business, or the yearly value of our gold exports.

Weeds choke our waterways, strangle and smother our native vegetation and rob our farmers of valuable land. The best way to combat weeds is to develop an integrated approach to weed management combining all appropriate weed control options.

There is a concern that climate change will place greater stress on improved pasture and cropping country. As a consequence they may be less competitive, which would open the way to new or greater weed invasions. This means there must be an increase of nationwide surveillance by people who are trained in what to look out for, and increasing efforts to find suitable biological and other means of controlling these weeds.

This Woody Weed Control Guide is an information booklet, specifically designed to help you make more informed decisions for the control of woody weeds. It contains information for weed identification, critical control times, different application methods plus new and existing herbicide recommendations for many woody weed species.

BENEFITS OF WOODY WEED CONTROL

Controlling woody weeds will provide the following benefits:

1. INCREASE THE CARRYING CAPACITY OF YOUR PROPERTY

Controlling woody weeds means that there is more productive pasture available, which in turn allows you to carry more livestock.

2. INCREASE THE VALUE OF YOUR PROPERTY

Properties that are free of woody weeds are of greater value than those that are infested.

3. MAKE MUSTERING EASIER

Large infestations of woody weeds provide stock with a hiding place when being mustered.

4. REDUCE THE RISK OF FIRE

Large infestations of woody weeds are a fire risk, particularly in periods of prolonged dry weather.

5. REDUCE THE INCIDENCE OF VERMIN

Large infestations of woody weeds provide an ideal habitat for vermin to breed, e.g. rabbits.

6. COMPLY WITH GOVERNMENT LEGISLATION

Controlling declared woody weeds is the legal responsibility of the landholder.

7. MINIMISE STOCK LOSSES

Some woody weeds are poisonous to stock and by controlling woody weeds you can minimise stock losses.

8. PROTECT THE ENVIRONMENT

Woody weeds invade and dominate native vegetation if left unchecked.

9. CONTROL EROSION

Replacing woody weeds with a dense, competitive pasture stand (and correct grazing management) protects valuable topsoil.

Integrated options for weed control

While controlling woody weeds is difficult, it is not impossible. Their persistent nature means that total control is not often achievable with a single herbicide application. With the introduction of a three-cycle program, producers can ensure long-term and cost-effective woody weed control.

Combining the use of herbicide and other weed control options such as slashing, cultivation, burning and improving pasture, the Dow AgroSciences 3 Cycle Plan aims to help producers gain long-term control over their weed problems while obtaining the maximum benefit from the money they invest in herbicides.



MECHANICAL/CULTIVATION

Mechanical treatment on its own is inadequate to control most woody weeds. However, in conjunction with other methods, it can assist in control. Cutterbars, ploughing or discing are best as they damage the root systems of the plants. This process is best carried out in summer, as haphazard cultivation in winter may result in spreading the infestation. Mechanical movement can exacerbate weed burdens.



SLASHING/BURNING

Burning or slashing might be useful in the first year to reduce bush size to a more manageable level. To allow enough grass and debris to facilitate a burn it may be necessary to exclude stock. Time your slashing or burning (usually six months prior to spraying) to allow plants to regrow to at least one metre before starting a herbicide treatment. To ensure maximum efficacy of your herbicide, it is important that woody weeds are not cut or burnt for six months after application.



LIVESTOCK

Livestock can aid in reducing woody weed seedling establishment, suppress regrowth and keep pastures competitive. However, their access to seedlings can be limited by logs, rocks and established bushes. Stock can continue to graze in the paddock during treatment with Grazon™ Extra, Garlon™ 600, Access™, Graslan™, Ripper™ 480 and Tordon™ DSH as no withholding periods apply. When treating some noxious weeds, such as green cestrum, stock should be removed from the paddock.



HERBICIDES

Herbicides applied at the right time, using the right rate and technique, are often the most economical, effective and practical method for long-term woody weed control. Before treating, ensure woody weeds are actively growing and not showing signs of stress. As with most pests, prevention is better than cure. Treat the edges of large areas to prevent more weeds spreading. Clean up small scattered areas first and improve your fencing so that your livestock can graze on treated areas.



Strategic treatment program

Woody weeds are vigorous and hardy. Their persistent nature means it is essential to use a programmed approach over three or more seasons to control them. The Dow AgroSciences 3 Cycle Plan allows you to attack woody weeds in three cycles: Treat, Follow-up and Check. Use the plan below to create your strategic program.

THE 3 CYCLE PLAN

CYCLE 1 – TREAT

The aim is to reduce the weed infestation to more manageable levels.

It is critical that you allow funds for a follow-up treatment in the next cycle or you may find regrowth will return and if not treated your initial work could be wasted.

Make sure spraying conditions are right for treatment.

Paddock Name	Treatment Used

CYCLE 2 – FOLLOW-UP

This is vital. The aim is to follow up what was treated in the previous cycle.

After your initial knockdown of large infestations, areas that you could not reach need follow-up. Make sure spraying conditions are right for treatment.

Paddock Name	Treatment Used

CYCLE 3 – CHECK

Continue to check over time to ensure no seedlings get away.

Ensure pasture forms an effective competitor to regrowth or seedlings.

Paddock Name	Treatment Used

Different weed species often require different treatment solutions. Use this Woody Weed Control Guide or consult your Dow AgroSciences woody weed specialist. Call 1800 700 096.



DATE TREATED	FOLLOW-UP RECOMMENDATIONS

DATE TREATED	FOLLOW-UP RECOMMENDATIONS

DATE TREATED	FOLLOW-UP RECOMMENDATIONS

THREE STEPS TO SUCCESS

- 1. DEFINE THE PROBLEM**
 Draw a layout of your property and paddocks.
 Locate and shade areas of infestation.
- 2. DEVELOP A PROGRAM**
 Begin with the end in mind.
 Identify the weed species in each paddock.
 Determine the infestation density (scattered, medium, dense).
 Detail the size of the infestation (acres/hectares).
 Develop a financial plan to determine the resources you have to control the problem.
 Determine the priorities.
- 3. APPLY THE PROGRAM**
 Use the 3 Cycle Plan to chart your success.



Which method of treatment should I use?

INTRODUCTION TO TREATMENT OPTIONS

There are a number of different methods you can use to treat woody weeds. The option you choose will be determined by the size of the problem, the resources you have available and time constraints you are working within. Refer to the Ready reference table control guide at the back of this booklet and product labels for correct application rates.



AERIAL SPRAYING APPLICATION (A)

Apply herbicide in not less than 200 L/ha water volume. Spray with a calibrated aircraft using the full overlap opposite pass technique. Nozzle combination should not be less than D8/45°.

Spraying in wind exceeding 10 km/h, temperatures above 30°C or relative humidity below 50% is not recommended.

BASAL BARK APPLICATION (B)

Use this method to treat saplings and regrowth less than 5 cm in basal diameter.

The herbicide is applied mixed with diesel to assist penetration through the bark. Weeds with thick, corky bark cannot be treated successfully using this method.

Do not treat if the stems are wet or charred as this prevents the herbicide from penetrating through the bark.

Make sure you thoroughly treat the whole circumference of each stem from ground level to a height of 30 cm.

Some woody weeds can be treated when basal diameter is greater than 5 cm. Refer to the product label for details.

BRUSHCUTTER APPLICATION (C)

The brushcutter takes the back-breaking effort out of the cut stump application method. It uses a high-powered tungsten-tipped cutting blade to remove the top growth as close to ground level as possible. A sprayer attachment delivers a dose of herbicide almost immediately to the cut surface.

CUT STUMP APPLICATION (D)

Cut stump application is the preferred method for saplings that are too small to be stem injected.

Cut stems as close to the ground as practical, no higher than 10–15 cm from ground level. Thoroughly spray the herbicide mixture immediately after the cut is made. This is necessary because the plant can seal the cut quickly, thus barring the chemical from penetrating into the sapstream.

FOLIAR SPRAY APPLICATION (E)

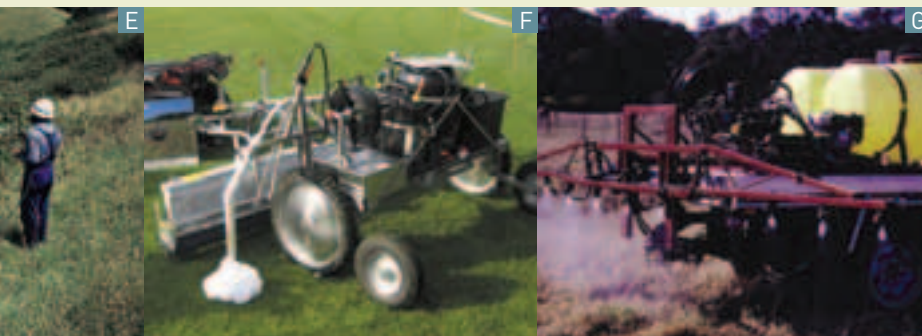
This method normally refers to high volume application using a hand gun to treat the foliage of the plant. It is recommended to use a No. 5–8 tip on your gun and calibrate your pump pressure to 700–1500 kPa.

Ensure you treat the entire leaf area of the plant to the point of run-off, with thorough coverage of the crown, runners and tips. A knapsack can be used to ensure that the full volume is delivered to the target plant.

GRASLAN AERIAL APPLICATION

Graslan Aerial is applied to areas greater than 100 ha during winter and spring, prior to the summer storms. A fixed-wing aircraft is used to apply product in Queensland and a helicopter is used in the Northern Territory.

Before Graslan Aerial can be applied, a Dow AgroSciences representative will conduct a paddock inspection to ensure suitable application rates are recommended for the weeds and soil type present. This will ensure Dow AgroSciences and government environmental guidelines are followed, as well as recording all details of the job. The area is recorded using GPS equipment. A contract is written and our application coordinator will arrange for Graslan Aerial to be applied at a time when the aircraft is next in the area. As this process can take some time to complete, it is essential to plan and organise an inspection early in the year.



BLANKET WIPER APPLICATION (F)

Operate wiper equipment a minimum of 10 cm above the pasture. Weeds should be at least 15 cm above the pasture at time of application. Speed of travel should be no greater than 8 km/h. The chemical solution should be fed to the blanket at a flow rate sufficient to keep the blanket wet but not dripping. In thick patches the blanket may require more frequent solution recharge. For woody plants, a scraper bar should be mounted in front of the blanket wiping the stems. Two passes (in opposite direction) with the blanket increases the contact with the plant.

GROUND BOOM SPRAY APPLICATION (G)

For pasture weeds, sprayers should be calibrated to deliver a minimum of 100 L/ha of water with a droplet size of 150–350 microns. Use higher volumes of water in dense pastures to achieve better penetration and coverage. It is recommended that you use flat fan nozzles and spray pressures of 200–300 kPa with boom height set to ensure double overlap of nozzle pattern at the top of the weed canopy.

HAND APPLICATION (H)

Apply granules/pellets to the soil prior to spring or summer rains. It is essential that the root area of the woody weed is evenly treated with the pellets or granules. Estimate the surface area (m²) covered by the bush to a distance of 30 cm out from the dripline (see illustration H) then apply granules or pellets evenly over the whole area. With Tordon Granules for example, if the bush covers 5 m² then apply five heaped metric tablespoons of the product over the area. (N.B. One heaped metric tablespoon weighs 45 g.)

STEM INJECTION APPLICATION (I)

Make horizontal cuts with a narrow-bladed axe (5–7 cm wide) through the bark of the woody weed into the sapstream at waist height. Space these at 10–13 cm centres. Leave the axe in the cut and immediately (within three seconds) apply the herbicide down the axe blade, to ensure the full dose enters the sapstream. This is necessary because the plant can seal the cut quickly, thus barring the chemical penetrating into the sapstream. Do not treat trees with poor sap flow, which occurs when plants are stressed. Where low branches are encountered place a cut immediately below the branch.

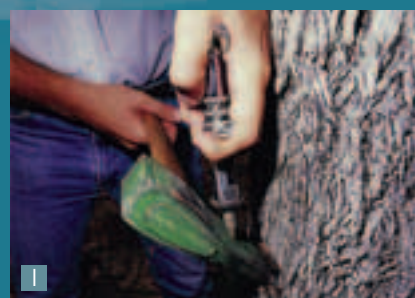
NOTE: SPRAY DRIFT Spray only when there is no movement of air towards non-target, susceptible vegetation or waterways. Drift can be greatly reduced by using nozzles and spray pressures that produce a minimum proportion of small, drift-prone droplets – e.g. lower pressure, larger droplets and higher spray volume. Under ideal conditions, spraying can be carried out near susceptible non-target plants and waterways by separating them with a suitable size buffer area.

TORDON DSH HOW MANY CUTS PER STEM?

BASAL DIAMETER/CLOSE SPACE TREATMENT

10 cm	3 cuts
20 cm	5 cuts
30 cm	7 cuts
40 cm	10 cuts
50 cm	12 cuts
60 cm	14 cuts

RATE: MIX ONE PART TORDON DSH
WITH FOUR PARTS WATER



STEM INJECTION AT OR NEAR
GROUND LEVEL IS RECOMMENDED
IN THE FOLLOWING AREAS:

1. Where soil types and substrata structure prevent vigorous root growth e.g. 'Traprock' country in SE Queensland and Tablelands of New England, NSW.
2. So called 'hard country' (general poor growing conditions).
3. Western poplar box areas.
4. Areas where rainfall is less than 500 mm per year.
5. Difficult-to-control species of wattles and eucalypts – e.g. stringy bark and sap bleeding types.

When should I treat?

ACCESS™ HERBICIDE

Weed	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug
Deciduous plants												
Non-deciduous plants												

GRASLAN™ HERBICIDE (REFER TO GRASLAN LABEL FOR WEEDS)

Application	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug
Aerial Graslan												
Hand Graslan												

GRAZON™ EXTRA HERBICIDE

Weed	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug
Blackberry												
Fireweed												
St. John's wort												
Sweet briar												
Gorse												
Lantana/associated weeds												
Rubber vine												
Eucalypt regrowth/wattle												

HOTSHOT™ HERBICIDE

Weed	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug
Lantana												
Fireweed												

STARANE™ ADVANCED HERBICIDE

Weed	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug
Lantana												
Prickly acacia												
Wattle regrowth												

TORDON™ GRANULES

Weed	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug
Sweet briar												
Blackberry												
African boxthorn												
Limebush												
Eucalypt regrowth												
Ragwort												

CRITICAL COMMENTS

Spraying must only be carried out when plants are in full leaf and flowering, which should begin six to eight weeks after substantial rainfall.

KEY

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

What spray volume should I use?

USING THE RIGHT SPRAY VOLUME IS VITAL

Using the right spray volume is essential to ensure acceptable control. Applying too much is wasteful, and applying too little can mean having to go back to re-treat large amounts of regrowth. Always read the label for the application rate and critical comments.

Use the calibration charts below as a guide to the correct foliar spray volume you should be applying to a woody weed.

CALIBRATION CHART FOR DOME-SHAPED WEEDS

Recommended volume for dome-shaped weeds such as blackberry and gorse.

VOLUME OF SPRAY PER BUSH IN L BASED ON 3000-4000 L/HA			
BUSH DIAMETER (metres)	BUSH HEIGHT (metres)		
	1.5	2	2.5
4	7	10.5	15
4.5	8.6	13.6	17.6
5	10.4	14.9	20.6
5.5	12.3	17.6	23.8
6	14.4	20.4	27.3

Source: Max McMillan

CALIBRATION CHART FOR CYLINDRICAL/CONE- SHAPED WEEDS

Recommended volume for cylindrical/cone-shaped weeds such as sweet briar, lantana, wattle and Eucalypt regrowth.

BUSH DIAMETER (metres)	BUSH HEIGHT (metres)		
	1	2	3
	SPRAY VOLUME PER BUSH (mL)		
1.0	160	240	310
2.0	630	940	1300
3.0	1400	2100	2800
4.0	2500	3800	5000
Water rate L/ha	2000	3000	4000

Source: Max McMillan

ADJUVANTS

Grazon™ Extra, Garlon™ 600, Hotshot™ and Starane™ Advanced formulations already contain surfactants. The use of additional surfactants is not recommended except in specific situations as detailed on the label.

RAINFASTNESS

Grazon™ Extra, Garlon™ 600, Hotshot™ and Starane™ Advanced are rainfast. Foliar application should be stopped if rain is likely within one hour or if foliage is wet. Amine 625 and Ripper™ 480 are relatively rainfast; foliar application should be stopped if rain is likely within six hours.

GUIDELINE TO CALIBRATION

Use the correct spray nozzle (see chart)

NOZZLES AND PRESSURES FOR DIFFERENT SPRAY VOLUMES				
Spray volume (L/ha)	Nozzle	Diameter (mm)	Output (L/min)	Pressure (kPa)
1000-2000	D4	1.6	2.5	400
1500-3000	D5	2.0	3.8	500
2000-4000	D6	2.4	5.5	600
3000-6000	D7	2.8	7.8	700
4000-8000	D8	3.2	8.6	800



Prior to spraying, select a bush to spray and decide what shape the weed can be categorised as (either dome or cylindrical). Spray that bush normally to achieve good coverage to the point of runoff. Time how long it took you to spray. Repeat this process spraying into a bucket. Measure the spray volume and compare this with the recommended spray and water rate using the tables attached. Installing a flow meter on the high pressure hose next to the hand gun will make calibration easier.

Reference: Scott, M. and Cook, T. (2007). Spraying Woody Weeds. NSW DPI SMARTtrain Chemical Notes 2.

Woody weed identification and growth habit

CORRECT IDENTIFICATION

Correct identification of the woody weeds needs to be made **before** consulting recommendations for control. Contact your local Dow AgroSciences representative or government authority for assistance.

GROWTH HABIT

In addition to identification of the weed species, the growth habit of the weed is paramount to the application technique and product chosen for its control. The growth habit will limit the choices of product and the application techniques applicable.

For example...

A eucalypt stem one metre tall could be:

- A seedling in its first year of growth. Such a plant when actively growing has few reserves and can be readily controlled by foliage spraying.
- A tree 10 years old – grazed-off, dozed-off, slashed, fired, sprayed-off or in some way defoliated two or three times in that decade, since germination.

Though it may only have sparse foliage, it could well have a large lignotuber below the ground, full of food reserves and buds capable of regrowth when the top is again removed. If this is the growth form you confront, then foliage spraying will usually be unsatisfactory. In essence, you need to treat to prevent the secondary buds in the lignotuber from regrowing. Cut stump treatment or stem injection around the base of the original tree are the preferred application techniques.

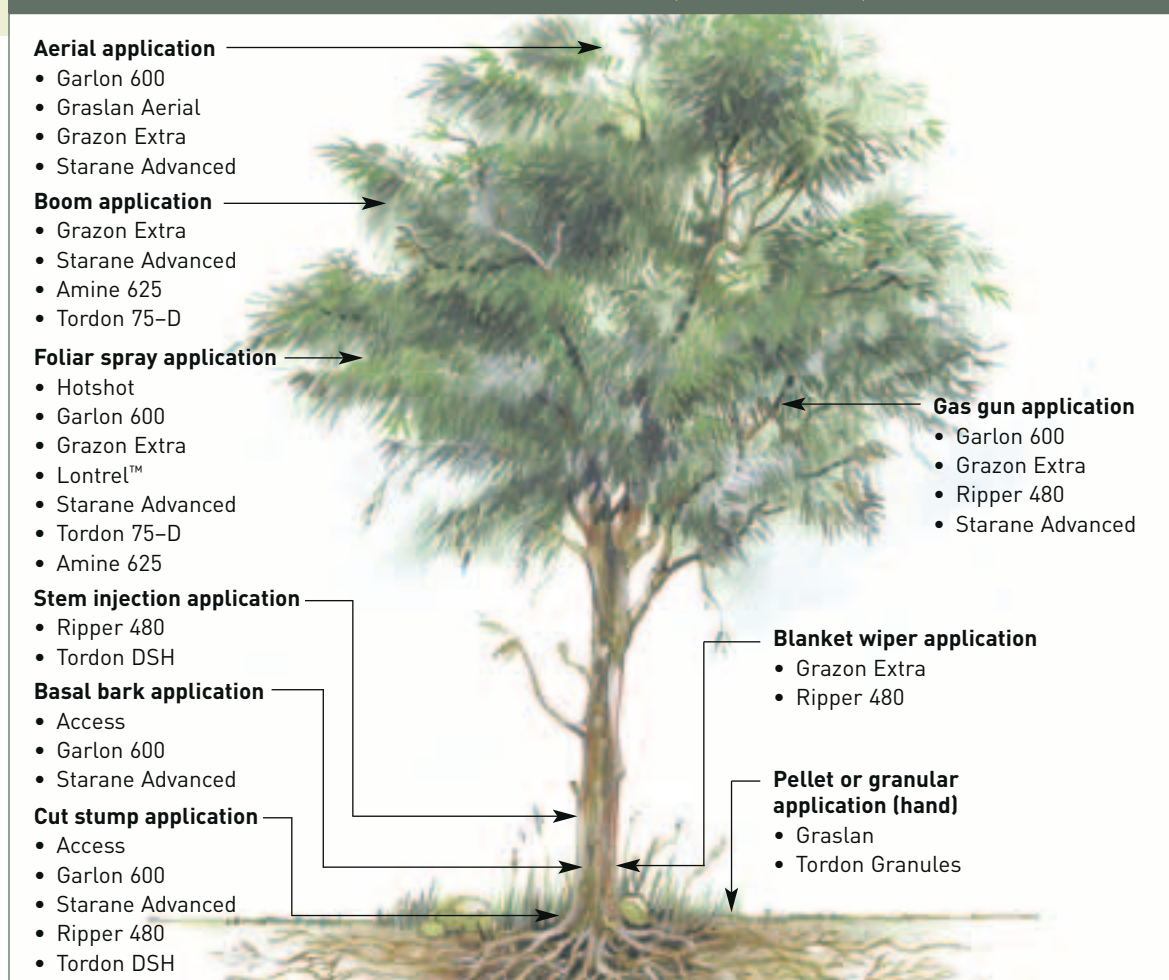
This example should illustrate that woody weed control is not a straightforward matter.

Sometimes it is desirable to allow the woody weed to grow larger to enable better and more cost-effective control.

The following diagrams illustrate some of the most common situations that will be encountered and explain the problems and solutions for each.

Refer to the product label to ensure the species identified is registered and the correct rate, timing and critical comments are followed.

TYPICAL WOODY WEED (DIAGRAMMATIC ONLY)



SEEDLING WOODY OR PERENNIAL WEED WITH SMALL ROOT SYSTEMS AND SIMPLE STEMS

USE

Foliar spray:

- Garlon 600
- Grazon Extra
- Hotshot
- Lontrel
- Starane Advanced
- Amine 625
- Tordon 75-D

AVOID

- **Stem injection**
Stem too small to inject
- **Cut stump**
Too laborious
- **Basal bark spray**
Too laborious
- **Granular application**
Too expensive



WOODY WEED WITH EXTENSIVE FINE STEMS

USE

Basal bark spray:

- Access
- Garlon 600
- Starane Advanced

Pellet/granular application:

- Graslan
- Tordon Granules

AVOID

- **Foliar spray**
Insufficient leaf area to spray
- **Cut stump**
Stems too thin and too many
- **Stem injection**
Stems too small to inject



ADVANCED GROWTH (>2 M TALL) FROM SEED

USE

Stem injection:

- Ripper 480
- Tordon DSH

Cut stump application:

- Access
- Garlon 600
- Starane Advanced
- Tordon DSH

Granular application:

- Graslan

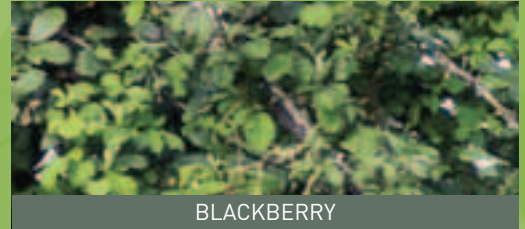
AVOID

- **Basal bark spray**
Bark and stem too thick to allow penetration of chemical
- **Foliar spray**
Plant too big



NOXIOUS WOODY WEEDS

WEED IDENTIFICATION



BLACKBERRY



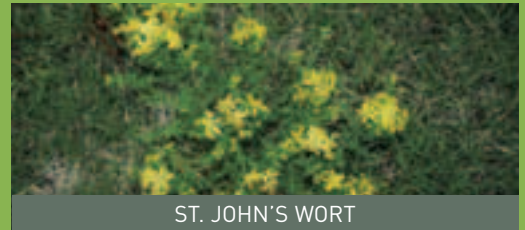
RAGWORT



MESQUITE



MOTHER-OF-MILLIONS



ST. JOHN'S WORT











GORSE



GREEN CESTRUM

Woody weed identification and growth habit

EUCALYPT OR PAPERBARK TEA-TREE REGROWTH FROM LIGNOTUBER	
USE	<p>Cut stump application:</p> <ul style="list-style-type: none"> • Access • Tordon DSH • Garlon 600 <p>Basal bark spray:</p> <ul style="list-style-type: none"> • Access • Garlon 600 <p>Granular application:</p> <ul style="list-style-type: none"> • Graslan
AVOID	<ul style="list-style-type: none"> • Stem injection Stem too thin to inject • Foliar spray Insufficient leaf cover <p>It is essential to destroy the lignotuber as it enables repeated regeneration following defoliation of the stem. This can be the most difficult situation to control and some plants may require re-treatment.</p>
 	
STANDING TIMBER SINGLE OR MULTI-STEMMED	
USE	<p>Stem injection:</p> <ul style="list-style-type: none"> • Tordon DSH <p>Cut stump application:</p> <ul style="list-style-type: none"> • Access • Garlon 600 • Tordon DSH
AVOID	<ul style="list-style-type: none"> • Foliar spray Not cost effective • Granular application (hand) Ineffective, plant too big • Basal bark spray Bark and stem too thick to allow chemical penetration
 	
REGROWTH FOLLOWING MECHANICAL CLEARING OR POOR CUT STUMP TREATMENT	
USE	<p>Stem injection:</p> <ul style="list-style-type: none"> • Tordon DSH <p>Basal bark spray:</p> <ul style="list-style-type: none"> • Access • Garlon 600
AVOID	<ul style="list-style-type: none"> • Cut stump Stems too small • Foliar spray Insufficient leaf area to control root system
 	
BRIGALOW REGROWTH OR ROOT SUCKERING PLANT UP TO 3 M TALL	
USE	<p>Granular application:</p> <ul style="list-style-type: none"> • Graslan
AVOID	<ul style="list-style-type: none"> • Cut stump Too laborious • Basal bark spray Too laborious • Foliar spray Too laborious
 	

Ready reference table control guide

Woody weed	State	Method of application	Product – Note: Preferred option in bold letters	Rate – Consult label for details of growth stage and use, especially where range of rates is given
AFRICAN BOXTHORN <i>Lycium ferocissimum</i>	All	Basal bark and Cut stump	GARLON 600	1:30 with diesel distillate
		Basal bark and Cut stump	ACCESS	1:60 with diesel distillate
	Vic, SA	Cut stump	AMINE 625 (2,4-D)	Apply undiluted
	Tas	Foliar spray	GARLON 600	170 mL/100 L of water
	All	Foliar spray	GRAZON EXTRA	500 mL/100 L of water
	Qld, NSW, Vic, WA	Foliar spray	TORDON 75-D	1.3 L/100 L of water
	All	Foliar spray	RIPPER 480	375 or 750 mL/100 L of water
ANGOPHORA REGROWTH <i>Angophora</i> spp.	Qld, NSW, NT	Granule application – Hand	GRASLAN	2 g/m ² (20 kg/ha)
	Vic, Qld, SA, WA	Granule application – Hand	TORDON GRANULES	35 to 45 g/m ²
ANGOPHORA REGROWTH <i>Angophora</i> spp.	All	Basal bark and Cut stump	ACCESS	1:60 with diesel distillate
		Cut stump	TORDON DSH	1:20 with water + surfactant
		Foliar spray	GARLON 600	400 or 560 mL/100 L of water
		Foliar spray	GRAZON EXTRA	350 mL/100 L of water
AUSTRALIAN BLACKTHORN <i>Bursaria spinosa</i>		Stem injection	TORDON DSH	1:4 with water
	All	Basal bark and Cut stump	GARLON 600	1:60 with diesel distillate
		Basal bark and Cut stump	ACCESS	1:60 with diesel distillate
BALLOON COTTON BUSH <i>Gomphocarpus physocarpus</i>		Foliar spray	GRAZON EXTRA	500 mL/100 L of water
	Qld	Foliar spray	AMINE 625 (2,4-D)	320 mL/100 L of water
BAMBOO <i>Phylloctachys edulis</i>	All	Foliar spray	RIPPER 480	750 mL/100 L of water
		Cut stump	RIPPER 480	1:8 with water
BANKSIA <i>Banksia</i> spp.	All	Foliar spray	GARLON 600	400 or 560 mL/100 L of water
		Foliar spray	GRAZON EXTRA	350 mL/100 L of water
BATHURST BURR <i>Xanthium spinosum</i>	All	Foliar spray	STARANE ADVANCED	45 mL/100 L of water
	Qld	Foliar spray	AMINE 625 (2,4-D)	320 mL/100 L of water
	Qld, NSW	Boom application	TORDON 75-D	1 L/ha
BELAH <i>Casuarina pauper</i>	Qld	Granule application – Hand	GRASLAN	1.5 g/m ² (15 kg/ha)
BELLYACHE BUSH <i>Jatropha gossypifolia</i>	All	Foliar spray	STARANE ADVANCED	300 mL/100 L of water
BIDDY BUSH <i>Cassinia arcuata</i>	ACT, NSW	Foliar spray	GRAZON EXTRA	500 mL/100 L of water + surfactant
	Vic	Foliar spray	TORDON 75-D	650 mL/100 L of water
BITTER BARK <i>Alstonia constricta</i>	Qld, NSW	Basal bark and Cut stump	GARLON 600	1:60 with diesel distillate
	All	Basal bark and Cut stump	ACCESS	1:60 with diesel distillate
	Qld	Blanket wiper	GRAZON EXTRA	1:4 with water
BLACKBERRY <i>Rubus fruticosus</i>	All	Foliar spray	GRAZON EXTRA	350 or 500 mL/100 L of water
		Foliar spray	GARLON 600	170 mL/100 L of water
		Foliar spray	RIPPER 480	750 mL to 1 L/100 L of water
	Vic	Foliar spray	TORDON 75-D	1.3 L/100 L of water
	All except NT	Foliar spray	TORDON DSH	500 mL/100 L of water + adjuvant
	ACT, NSW, NT, Qld, SA, Vic, WA	Aerial application	GRAZON EXTRA	10 L/ha (apply in 200 L water/ha)
	NSW, SA, Tas, Vic, WA	Aerial (helicopter only)	GARLON 600	4.8 L/ha (apply in 200 L water/ha)
	Qld	Aerial (helicopter or fixed)	GARLON 600	4.8 L/ha (apply in 200 L water/ha)
	All	Controlled droplet application	GARLON 600	170 mL/1 L of water
		Controlled droplet application	GRAZON EXTRA	Apply undiluted
	Vic, Qld, NSW, SA, WA	Granule application – Hand	TORDON GRANULES	35 to 45 g/m ²
All	Gas gun application	GARLON 600	280 mL/10 L of water	
	Gas gun application	GRAZON EXTRA	335 mL/10 L of water	



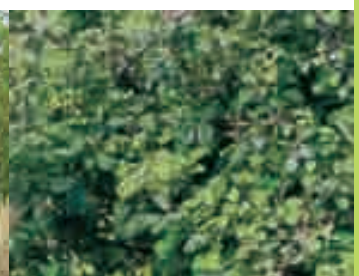
BANKSIA



BATHURST BURR



BITTER BARK



BLACKBERRY

Ready reference table control guide

Woody weed	State	Method of application	Product – Note: Preferred option in bold letters	Rate – Consult label for details of growth stage and use, especially where range of rates is given
BLACKBERRY NIGHTSHADE <i>Solanum nigrum</i>	All	Foliar spray	STARANE ADVANCED	300 mL/100 L of water
BLUE BILLYGOAT WEED (Blue top) <i>Ageratum houstonianum</i>	All	Boom application	STARANE ADVANCED	900 mL/ha + 1 L/ha Uptake
	Qld	Foliar spray	AMINE 625 (2,4-D)	320 mL/100 L of water
BLUE HELIOTROPE <i>Heliotropium amplexicaule</i>	Qld, NSW	Foliar spray	TORDON 75-D	1 L/100 L of water
	ACT, NSW, NT, Qld	Foliar spray	GRAZON EXTRA	500 mL/100 L of water
	All	Foliar spray	STARANE ADVANCED	600 mL/100 L of water
	NSW	Granule application – Hand	GRASLAN	0.5 g/m ² (5 kg/ha)
BONESEED (Bitou bush) <i>Chrysanthemoides monilifera</i> ssp. <i>monilifera</i>	Qld, NSW, Vic, SA, WA	Foliar spray	TORDON 75-D	650 mL/100 L of water
	Vic, SA	Cut stump	AMINE 625 (2,4-D)	Apply undiluted
		Foliar spray	AMINE 625 (2,4-D)	800 mL/100 L of water
	All	Foliar spray	RIPPER 480	375 or 750 mL/100 L of water
	Qld, NSW, Vic, Tas	Gas gun application	RIPPER 480	370 mL/9.25 L of water
BOXTHORN <i>Lycium australe</i>	Vic, SA	Foliar spray	AMINE 625 (2,4-D)	800 mL/100 L of water
BRACKEN FERN <i>Pteridium esculentum</i>	All	Foliar spray	RIPPER 480	1.125 mL/100 L of water + Pulse
		Blanket wiper	RIPPER 480	800 mL/2.2 L of water
BRIGALOW REGROWTH <i>Acacia harpophylla</i> (over 100 ha)	Qld	Aerial application	GRASLAN AERIAL	Determined by Dow AgroSciences representative on inspection
BRIGALOW REGROWTH <i>Acacia harpophylla</i> (under 100 ha)	All	Basal bark and Cut stump	ACCESS	1:60 with diesel distillate
	Qld, NSW	Granule application – Hand	GRASLAN	1.5 g/m ² (15 kg/ha)
		Foliar spray	GARLON 600	170 mL/100 L of water
	All	Foliar spray	GRAZON EXTRA	350 or 500 mL/100 L of water
		Foliar spray	STARANE ADVANCED	300 or 600 mL/100 L of water
BROADLEAF HOPBUSH <i>Dodonaea viscosa</i> ssp. <i>angustifolia</i>	NSW	Basal bark and Cut stump	GARLON 600	1:60 with diesel distillate
BROADLEAF PEPPER TREE <i>Schinus terebinthifolius</i>	All	Foliar spray	STARANE ADVANCED	300 mL/100 L of water
		Basal bark	STARANE ADVANCED	2.1 L/100 L of diesel distillate
BROOMS <i>Genista</i> spp. Cape, English, Flax leaf, Montpellier	Tas	Basal bark and Cut stump	GARLON 600	1:48 with diesel distillate
	All	Foliar spray	GARLON 600	170 mL/100 L of water
	SA, Vic	Foliar spray	TORDON 75-D	300 mL/100 L of water
	All	Foliar spray	GRAZON EXTRA	250 or 350 mL/100 L of water
BROWN SALWOOD (Hickory wattle) <i>Acacia aulacocarpa</i>	All	Basal bark and Cut stump	GARLON 600	1:120 with diesel distillate
		Basal bark and Cut stump	ACCESS	1:60 with diesel distillate
		Foliar spray	HOTSHOT	700 mL/100 L of water
		Foliar spray	STARANE ADVANCED	300 or 600 mL/100 L of water
BRUSH and SWAMP BOX <i>Lophostemon confertus</i> and <i>L. suaveolens</i>	All	Basal bark and Cut stump	ACCESS	1:30 with diesel distillate
		Cut stump	TORDON DSH	1:20 with water + surfactant
	Qld, NT, WA	Granule application – Hand	GRASLAN	2 g/m ² (20 kg/ha)
	All	Stem injection	TORDON DSH	1:4 with water – variable results
CAMPHOR LAUREL <i>Cinnamomum camphora</i>	All	Foliar spray	GRAZON EXTRA	350 or 500 mL/100 L of water
	Qld, NSW	Basal bark and Cut stump	GARLON 600	1:60 with diesel distillate
	All	Basal bark and Cut stump	ACCESS	1:60 with diesel distillate
	Qld, NSW	Stem injection	TORDON DSH	1:4 with water



BLUE BILLYGOAT WEED



BLUE HELIOTROPE



BROADLEAF PEPPER TREE



CAMPHOR LAUREL

Woody weed	State	Method of application	Product – Note: Preferred option in bold letters	Rate – Consult label for details of growth stage and use, especially where range of rates is given
CAMPHOR LAUREL continued <i>Cinnamomum camphora</i>	Qld, NSW, Vic, WA, Tas, NT	Stem injection	RIPPER 480	1:1 with water
	All	Foliar spray	GARLON 600	170 mL/100 L of water
	Qld, NSW, ACT, NT	Gas gun application	GRAZON EXTRA	500 mL/10 L of water
CAPE HONEYFLOWER <i>Melianthus major</i>	Qld, NSW, Vic, SA, WA	Foliar spray	TORDON 75-D	650 mL/100 L of water
CAPEWEED <i>Arctotheca calendula</i>	All	Foliar spray	GRAZON EXTRA	150 mL/100 L of water
CAPE IVY <i>Senecio angulatus</i>	All	Foliar spray	LONTREL	3.3 L/ha
CASTOR OIL PLANT <i>Ricinus communis</i>	All	Basal bark and Cut stump	GARLON 600	1:60 with diesel distillate
	Qld, NSW, ACT	Foliar spray	AMINE 625 (2,4-D)	230 mL/100 L of water
CASUARINA REGROWTH <i>Casuarina</i> spp.	All	Foliar spray	GRAZON EXTRA	350 mL/100 L of water
		Cut stump	TORDON DSH	1:20 with water + surfactant
		Stem injection	TORDON DSH	1:4 with water
CHINEE APPLE <i>Ziziphus mauritiana</i>	All	Basal bark and Cut stump	ACCESS	1:60 with diesel distillate
		Basal bark and Cut stump	GARLON 600	1:60 with diesel distillate
		Basal bark and Cut stump	STARANE ADVANCED	1:55 with diesel distillate
	Qld, WA, NT	Foliar spray	GRAZON EXTRA	350 mL/100 L of water + surfactant
Qld	Granule application – Hand	TORDON GRANULES	35 to 45 g/m ²	
CHINESE CELTIS <i>Celtis sinensis</i>	All	Basal bark	STARANE ADVANCED	2.1 L/100 L of diesel distillate
COCKSPUR THORN <i>Maclura cochinchinensis</i>	Qld, NSW, ACT, NT	Aerial (helicopter only)	GRAZON EXTRA	1.5 L + 6.0 L/ha Amine 625 (2,4-D)
	All	Basal bark and Cut stump	ACCESS	1:60 with diesel distillate
		Basal bark	STARANE ADVANCED	1.2 L/100 L of water
	Qld, NSW, ACT, NT	Foliar spray	GRAZON EXTRA	350 mL/100 L of water
	All	Foliar spray	STARANE ADVANCED	300 mL/100 L of water
	Qld, NSW, ACT, NT	Gas gun application	GRAZON EXTRA	500 mL/10 L of water
COCKY APPLE <i>Planchonia careya</i>	Qld, WA, NT	Granule application – Hand	GRASLAN	2 g/m ² (20 kg/ha) – suppression
COMMON SENSITIVE PLANT <i>Mimosa pudica</i>	All	Boom application	STARANE ADVANCED	900 mL/ha + 1 L/ha Uptake
	Qld, WA, NT	Foliar spray	GRAZON EXTRA	200 mL/100 L of water + surfactant
	All	Foliar spray	STARANE ADVANCED	300 mL/100 L of water + Uptake
CORKWOOD WATTLE <i>Acacia bidwillii</i>	All	Basal bark	ACCESS	1:60 with diesel distillate
CORYMBIA <i>Corymbia</i> spp.	All	Basal bark and Cut stump	ACCESS	1:60 with diesel distillate
		Cut stump	TORDON DSH	1:20 with water + surfactant
		Stem injection	TORDON DSH	1:4 with water
CREEPING LANTANA <i>Lantana montevidensis</i>	All	Foliar spray	GRAZON EXTRA	500 mL/100 L of water
		Foliar spray	HOTSHOT	700 mL/100 L of water
		Foliar spray	STARANE ADVANCED	300 mL/100 L of water
CROFTON WEED <i>Ageratina adenophora</i>	Qld, NSW, ACT, NT	Aerial (helicopter only)	GRAZON EXTRA	1.5 L + 6.0 L/ha Amine 625 (2,4-D)
	All	Foliar spray	HOTSHOT	700 mL/100 L of water
	Qld, NSW, ACT, NT	Foliar spray	GRAZON EXTRA	350 mL/100 L of water
	All	Foliar spray	STARANE ADVANCED	300 mL/100 L of water
		Foliar spray	RIPPER 480	375 or 750 mL/100 L of water
		Foliar spray	TORDON 75-D	650 mL/100 L of water
	Qld, NSW, Vic SA, WA	Foliar spray	TORDON 75-D	650 mL/100 L of water
Qld, NSW, ACT, NT	Gas gun application	GRAZON EXTRA	500 mL/10 L of water	



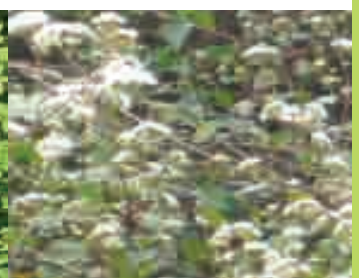
CASTOR OIL PLANT



COCKSPUR THORN



CREEPING LANTANA



CROFTON WEED

Ready reference table control guide

Woody weed	State	Method of application	Product – Note: Preferred option in bold letters	Rate – Consult label for details of growth stage and use, especially where range of rates is given
CUMBUNGI <i>Typha</i> spp.	All except Tas	Foliar spray	RIPPER 480	975 mL/100 L of water
		Boom application	RIPPER 480	6.75 L/ha
		Blanket wiper	RIPPER 480	800 mL/2.2 L of water
CURRENT BUSH <i>Carissa ovata</i>	Qld, NSW	Granule application – Hand	GRASLAN	1.5 g/m ² (15 kg/ha)
DAWSON GUM (Blackbutt) <i>Eucalyptus cambageana</i>	Qld	Basal bark and Cut stump	GARLON 600	1:30 with diesel distillate
		Granule application – Hand	GRASLAN	1 g/m ² (10 kg/ha)
DEVIL'S FIG <i>Solanum torvum</i>	Qld, NSW, Vic, SA, WA	Foliar spray	TORDON 75-D	650 mL/100 L of water
DOCKS <i>Rumex</i> spp.	All	Controlled droplet application	GRAZON EXTRA	Apply undiluted
		Foliar spray	GRAZON EXTRA	350 or 500 mL/100 L of water
		Foliar spray	HOTSHOT	700 mL/100 L of water
		Foliar spray	STARANE ADVANCED	300 mL/100 L of water
	Qld, NSW, Vic, SA, WA	Foliar spray	TORDON 75-D	75 or 150 mL/100 L of water
EASTERN COTTON BUSH <i>Maireana microphylla</i>	NSW, Qld, ACT, NT	Foliar spray	GRAZON EXTRA	500 mL/100 L of water + Uptake
ELLANGOWAN POISON BUSH <i>Eremophila deserti</i>	All	Basal bark and Cut stump	ACCESS	1:60 with diesel distillate
ENGLISH IVY <i>Hedera helix</i>	Vic	Foliar spray	GARLON 600	1 L + 750 mL Ripper 480/100 L of water
EUCALYPT REGROWTH <i>Eucalyptus</i> spp.	All	Foliar spray	GRAZON EXTRA	350 mL/100 L of water + adjuvant
	Qld, SA, WA, NT	Foliar spray	GARLON 600	400 mL/100 L of water
	NSW, Tas, Vic	Foliar spray	GARLON 600	560 mL/100 L of water
	All	Foliar spray	RIPPER 480	750 mL to 1 L/100 L of water
	Qld, NSW, Vic, SA, WA	Foliar spray	TORDON 75-D	650 mL/100 L of water
	All	Basal bark and Cut stump	GARLON 600	1:60 or 1:30 with diesel distillate
		Basal bark and Cut stump	ACCESS	1:60 with diesel distillate
		Cut stump	TORDON DSH	1:20 with water + surfactant
	Qld, NSW, Vic, SA, WA	Cut stump	TORDON 75-D	500 mL/10 L of water
	All	Gas gun application	GARLON 600	400 mL/10 L of water
		Gas gun application	GRAZON EXTRA	335 mL/10 L of water
		Gas gun application	RIPPER 480	1.3 L/9.25 L of water + Pulse
	Qld, NT	Granule application – Hand	GRASLAN	Check label for species controlled
Qld, NSW, Vic, SA, WA	Granule application – Hand	TORDON GRANULES	35 to 45 g/m ²	
All	Stem injection	TORDON DSH	1:4 in water	
FALSE SANDALWOOD <i>Eremophila mitchellii</i>	Qld, NSW	Granule application – Hand	GRASLAN	2 g/m ² (20 kg/ha) – suppression
	All	Basal bark and Cut stump	ACCESS	1:60 with diesel distillate
		Basal bark and Cut stump	GARLON 600	1:60 with diesel distillate
FENNEL <i>Foeniculum vulgare</i>	Tas	Foliar spray	GARLON 600	170 mL/100 L of water
FIREWEED <i>Senecio madagascariensis</i>	All	Foliar spray	HOTSHOT	500 mL/100 L of water
		Foliar spray	GRAZON EXTRA	350 mL/100 L of water



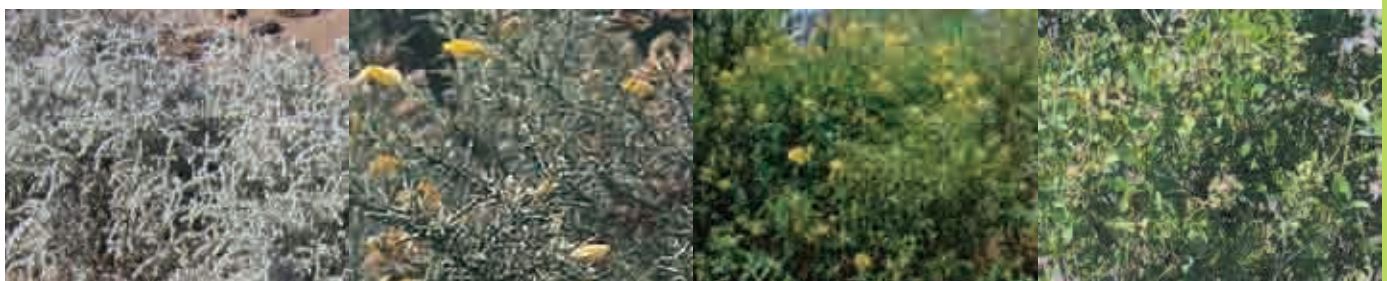
CURRENT BUSH

DOCK SPECIES

EUCALYPT REGROWTH

FIREWEED

Woody weed	State	Method of application	Product – Note: Preferred option in bold letters	Rate – Consult label for details of growth stage and use, especially where range of rates is given
FLANNEL WEED <i>Sida cordifolia</i>	All	Foliar spray	STARANE ADVANCED	300 mL/100 L of water
GALENIA <i>Galenia pubescens</i>	All	Foliar spray	GRAZON EXTRA	500 mL/100 L of water
		Boom application	GRAZON EXTRA	5 L/ha (apply in 200 L water/ha)
GALVANISED BURR <i>Sclerolavena bichii</i>	NSW, ACT, Qld NSW, SA, Tas, Vic	Foliar spray	AMINE 625 (2,4-D)	320 mL/100 L of water
		Foliar spray	ESTERON™ LV	470 mL/100 L of water
GIANT BRAMBLE <i>Rubus alceifolius</i>	Qld, NT, WA	Foliar spray	GRAZON EXTRA	500 mL/100 L of water + surfactant
GIANT SENSITIVE PLANT <i>Mimosa invisa</i>	All	Boom application	STARANE ADVANCED	900 mL/ha + 1 L/ha Uptake
GIANT SENSITIVE TREE <i>Mimosa pigra</i>	All	Aerial (wet season)	STARANE ADVANCED	1.8 L/ha + 1 L/100 L Uptake
		Basal bark and Cut stump	STARANE ADVANCED	1:100 with diesel distillate
		Foliar spray	STARANE ADVANCED	180 mL/100 L of water + Uptake
	NT	Granule application – Hand	GRASLAN	1 g/m ² (10 kg/ha)
GIDGEE (over 100 ha) <i>Acacia cambagei</i>	Qld	Aerial application	GRASLAN AERIAL	Determined by Dow AgroSciences representative on inspection
GIDGEE <i>Acacia cambagei</i>	Qld	Granule application – Hand	GRASLAN	1 g/m ² (10 kg/ha)
GORSE (Furze) <i>Ulex europaeus</i>	All	Foliar spray	GRAZON EXTRA	250, 350 or 500 mL/100 L of water
		Foliar spray	GARLON 600	170 or 340 mL/100 L of water
		Foliar spray	RIPPER 480	375 or 750 mL/100 L of water
	Vic	Foliar spray	TORDON 75-D	500 mL/100 L of water
		Foliar spray	TORDON DSH	375 mL/100 L of water
	Tas	Aerial (helicopter only)	GRAZON EXTRA	10 L/ha
GREEN CESTRUM <i>Cestrum parqui</i>	All	Basal bark and Cut stump	ACCESS	1:60 with diesel distillate
	Qld, NSW, Vic, SA, WA	Foliar spray	TORDON 75-D	650 mL/100 L of water
		Foliar spray	GARLON 600	170 mL/100 L of water
	ACT, NSW, Qld, NT	Foliar spray	GRAZON EXTRA	500 mL/100 L of water
GREEN WATTLE <i>Acacia decurrens</i>	All	Basal bark and Cut stump	GARLON 600	1:60 with diesel distillate
GREVILLEA <i>Grevillea</i> spp.	All	Basal bark and Cut stump	ACCESS	1:60 with diesel distillate
GROUNDSEL BUSH <i>Baccharis halimifolia</i>	All	Basal bark and Cut stump	ACCESS	1:60 with diesel distillate
		Basal bark and Cut stump	GARLON 600	1:120 with diesel distillate
	Qld, NSW	Granule application – Hand	GRASLAN	1 g/m ² (10 kg/ha)
	Tas	Cut stump	AMINE 625 (2,4-D)	240 mL/100 L of water
	NSW, NT, Qld, ACT, SA, Tas	Boom application	AMINE 625 (2,4-D)	2.88 to 4.4 L/ha
		Foliar spray	GRAZON EXTRA	250 or 350 mL/100 L of water
	All	Foliar spray	GARLON 600	160 or 320 mL/100 L of water
		Foliar spray	LONTREL	330 or 500 mL/100 L of water
	Qld, NSW	Foliar spray	RIPPER 480	375 or 750 mL/100 L of water
	All	Foliar spray	AMINE 625 (2,4-D)	320 mL/100 L of water
	NSW, NT, Qld, ACT, SA	Foliar spray	TORDON 75-D	650 mL/100 L of water
Gas gun application		RIPPER 480	750 mL/9.25 L of water	



GALVANISED BURR

GORSE

GREEN CESTRUM

GROUNDSEL BUSH

Ready reference table control guide

Woody weed	State	Method of application	Product – Note: Preferred option in bold letters	Rate – Consult label for details of growth stage and use, especially where range of rates is given
GUAVA <i>Psidium guajava</i>	All	Basal bark and Cut stump	ACCESS	1:30 with diesel distillate
HARD MILKWOOD <i>Alstonia muelleriana</i>	All	Basal bark and Cut stump	ACCESS	1:60 with diesel distillate
HARRISIA CACTUS <i>Eriocereus</i> spp.	All	Foliar spray	ACCESS	1:60 with diesel distillate
	Qld	Foliar spray	TORDON DSH	1:40 with water
HAWTHORN <i>Crataegus monogyna</i>	All	Basal bark and Cut stump	ACCESS	1:60 with diesel distillate
	Vic	Cut stump	TORDON 75-D	Apply undiluted
	Vic, SA	Cut stump	AMINE 625 (2,4-D)	Apply undiluted
	All	Foliar spray	RIPPER 480	750 mL to 1 L/100 L of water
		Foliar spray	GRAZON EXTRA	500 mL/100 L of water
	Vic, SA	Foliar spray	AMINE 625 (2,4-D)	800 mL/100 L of water
	All	Gas gun application	RIPPER 480	750 mL/9.25 L of water
HEARTLEAF POISON BUSH <i>Gastrolobium grandiflorum</i>	All	Basal bark and Cut stump	ACCESS	1:60 with diesel distillate
HEXHAM SCENT <i>Mellilotus indicus</i>	All	Foliar spray	STARANE ADVANCED	300 mL/100 L of water
HOLLY BUSH <i>Alectryon diversifolius</i>	Qld, NSW	Granule application – Hand	GRASLAN	1.5 g/m ² (15 kg/ha)
HONEY LOCUST <i>Gleditsia triacanthos</i>	All	Basal bark and Cut stump	STARANE ADVANCED	1:33 with diesel distillate
		Basal bark and Cut stump	ACCESS	1:60 with diesel distillate
		Foliar spray	STARANE ADVANCED	300 mL/100 L of water
HOREHOUND <i>Marrubium vulgare</i>	Tas	Foliar spray	GARLON 600	170 mL/100 L of water
	All	Foliar spray	GRAZON EXTRA	350 mL/100 L of water
INKWEED <i>Phytolacca octandra</i>	Qld, NSW, Vic, SA, WA	Foliar spray	TORDON 75-D	500 mL/100 L of water
JAPANESE SUNFLOWER <i>Tithonia diversifolia</i>	ACT, Qld, NSW, NT	Foliar spray	GRAZON EXTRA	350 mL/100 L of water
KHAKI WEED <i>Alternanthera pungens</i>	Qld, NSW, Vic, SA, WA	Foliar spray	TORDON 75-D	650 mL/100 L of water
KITELEAF POISON <i>Gastrolobium laytonii</i>	All	Basal bark and Cut stump	ACCESS	1:60 with diesel distillate
LANTANA <i>Lantana camara</i>	All	Foliar spray	GRAZON EXTRA	350 mL/100 L of water + adjuvant
		Foliar spray	GRAZON EXTRA	500 or 750 mL/100 L of water
		Foliar spray	HOTSHOT	500 or 700 mL/100 L of water
		Foliar spray	RIPPER 480	375 or 750 mL/100 L of water + Pulse
		Foliar spray	STARANE ADVANCED	300 or 600 mL/100 L of water
	Qld, NSW, Vic, SA, WA	Foliar spray	TORDON 75-D	650 mL/100 L of water
	NSW, NT, Qld, ACT, SA	Foliar spray	AMINE 625 (2,4-D)	320 mL/100 L of water
	All	Basal bark and Cut stump	ACCESS	1:60 with diesel distillate
		Basal bark and Cut stump	GARLON 600	1:60 with diesel distillate
		Gas gun application	RIPPER 480	750 mL/9.25 L of water
	Qld, NSW	Granule application – Hand	GRASLAN	2 g/m ² (20 kg/ha) – suppression
NSW, NT, Qld, ACT	Aerial (helicopter only)	GRAZON EXTRA	1.5 L + 6.0 L/ha Amine 625 (2,4-D)	
	Aerial (helicopter only)	GRAZON EXTRA	10 L/ha	



HARRISIA CACTUS



HEXAM SCENT



JAPANESE SUNFLOWER



LANTANA

Woody weed	State	Method of application	Product – Note: Preferred option in bold letters	Rate – Consult label for details of growth stage and use, especially where range of rates is given
LEUCAENA <i>Leucaena leucocephala</i>	All	Basal bark and Cut stump	ACCESS	1:60 with diesel distillate
LIMEBUSH <i>Eremocitrus glauca</i>	All	Basal bark and Cut stump	ACCESS	1:60 with diesel distillate
		Foliar spray	STARANE ADVANCED	600 mL/100 L of water
	Qld, NT	Foliar spray	GRAZON EXTRA	350 mL/100 L of water + surfactant
	Qld	Foliar spray	TORDON 75-D	1.3 L/100 L of water
	All	Gas gun application	STARANE ADVANCED	600 mL/10 L of water
	Qld, NSW	Granule application – Hand	GRASLAN	2 g/m ² (20 kg/ha)
	Qld	Granule application – Hand	TORDON GRANULES	35 to 45 g/m ²
LION'S TAIL <i>Leonotis nepetisolia</i>	Qld, NT	Foliar spray	GRAZON EXTRA	200 mL/100 L of water + surfactant
MADEIRA VINE <i>Anredera cordifolia</i>	All	Foliar spray	STARANE ADVANCED	300 mL/100 L of water
MANUKA <i>Leptospermum scoparium</i>	Vic	Foliar spray	GRAZON EXTRA	500 mL/100 L of water + Pulse
MARSHMALLOW <i>Malva parviflora</i>	All	Foliar spray	STARANE ADVANCED	300 mL/100 L of water
MAYNE'S PEST <i>Verbena aristigera</i>	Qld	Foliar spray	TORDON 75-D	600 mL/100 L of water
MESQUITE (Algaroba) <i>Prosopis</i> spp.	All	Basal bark and Cut stump	ACCESS	1:60 with diesel distillate
	Qld, NSW, NT, WA, ACT	Foliar spray	GRAZON EXTRA	350 mL/100 L of water + surfactant
MILFOIL (Yarrow) <i>Achillea millefolium</i>	ACT, NSW	Foliar spray	GRAZON EXTRA	350 or 500 mL/100 L of water
MILKWEED <i>Euphorbia heterophylla</i>	All	Foliar spray	STARANE ADVANCED	600 mL/100 L of water
MIMOSA BUSH <i>Acacia farnesiana</i>	All	Basal bark	STARANE ADVANCED	1:55 with diesel distillate
		Basal bark and Cut stump	ACCESS	1:60 with diesel distillate
	NSW	Granule application – Hand	GRASLAN	2 g/m ² (20 kg/ha) (Permit 10040)
		Foliar spray	LONTREL	500 mL/100 L of water (Permit 6326)
MIMOSA PIGRA <i>Mimosa pigra</i>	NT	Aerial (dry season)	GRASLAN	10 kg/ha
	All	Aerial (wet season)	STARANE ADVANCED	1.8 L/ha + 1 L/100 L Uptake
		Foliar spray	STARANE ADVANCED	180 mL/100 L of water + Uptake
	NT	Granule application – Hand	GRASLAN	1 g/m ² (10 kg/ha)
MISTFLOWER <i>Ageratina riparia</i>	ACT, NSW, NT, Qld	Aerial (helicopter only)	GRAZON EXTRA	1.5 L + 6.0 L Amine 625 (2,4-D)
	All	Foliar spray	HOTSHOT	700 mL/100 L of water
		Foliar spray	STARANE ADVANCED	300 mL/100 L (seedlings/young plants)
	Qld, NSW, ACT, NT	Foliar spray	GRAZON EXTRA	350 mL/100 L of water
	All	Foliar spray	RIPPER 480	375 or 750 mL/100 L of water
	Qld, NSW, Vic, SA, WA	Foliar spray	TORDON 75-D	650 mL/100 L of water
	Qld, NSW, ACT, NT	Gas gun application	GRAZON EXTRA	500 mL/10 L of water
	Qld, NSW	Gas gun application	RIPPER 480	750 mL/9.25 L of water
	MOTHER-OF-MILLIONS <i>Bryophyllum</i> spp.	Qld, NSW, ACT, NT	Foliar spray	GRAZON EXTRA
All		Foliar spray	STARANE ADVANCED	360 mL/100 L of water + surfactant
NSW		Foliar spray	AMINE 625 (2,4-D)	400 mL/100 L of water + surfactant
NARROWLEAF HOPBUSH <i>Dodonaea viscosa</i> ssp. <i>angustissima</i>	All	Basal bark and Cut stump	ACCESS	1:60 with diesel distillate
	NSW	Basal bark and Cut stump	GARLON 600	1:60 with diesel distillate



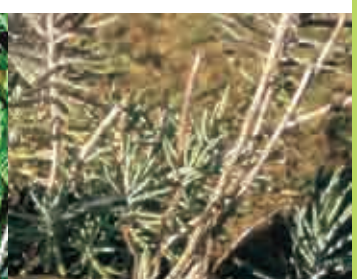
LIMEBUSH



MAYNE'S PEST



MIMOSA BUSH



MOTHER-OF-MILLIONS

Ready reference table control guide

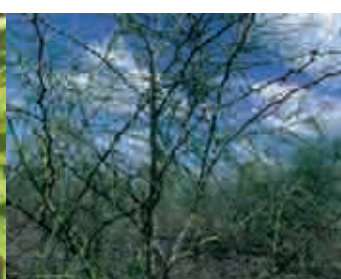
Woody weed	State	Method of application	Product – Note: Preferred option in bold letters	Rate – Consult label for details of growth stage and use, especially where range of rates is given
NEEDLEWOOD <i>Hakea leucoptera</i>	All	Basal bark and Cut stump	ACCESS	1:60 with diesel distillate
		Basal bark and Cut stump	GARLON 600	1:60 with diesel distillate
NOOGOORA BURR <i>Xanthium pungens</i>	Qld, NSW	Boom application	TORDON 75-D	1 L/ha
	All	Foliar spray	STARANE ADVANCED	45 mL/100 L of water
	Qld	Foliar spray	AMINE 625 (2,4-D)	160 mL/100 L of water
OCHNA <i>Ochna serrulata</i>	All	Basal bark	STARANE ADVANCED	2.1 L/100 L of diesel distillate
		Foliar spray	STARANE ADVANCED	600 mL/100 L of water
		Gas gun application	STARANE ADVANCED	300 mL/10 L of water
OLEANDER <i>Nerium oleander</i>	All	Basal bark and Cut stump	ACCESS	1:60 with diesel distillate
OLIVE <i>Olea europaea</i>	SA	Cut stump	GARLON 600	1:30 with diesel distillate
	NSW	Cut stump	GARLON 600	1:15 with diesel distillate
PADDY'S LUCERNE <i>Sida rhombifolia</i>	ACT, NSW	Foliar spray	GRAZON EXTRA	500 mL/100 L of water
	All	Foliar spray	STARANE ADVANCED	600 mL/100 L of water
		Boom application	STARANE ADVANCED	2.4 L/ha
		Boom application	STARANE ADVANCED	1.2 L + 1.4 L/ha 2,4-D amine (720 g/L)
PAMPAS GRASS <i>Cortaderia selloana</i>	All	Foliar spray	RIPPER 480	750 mL to 1 L/100 L of water
		Gas gun application	RIPPER 480	750 mL/9.25 L of water
PARKINSONIA (over 100 ha) <i>Parkinsonia aculeata</i>	Qld, NT	Aerial application	GRASLAN AERIAL	Determined by Dow AgroSciences representative on inspection
PARKINSONIA <i>Parkinsonia aculeata</i>	All	Basal bark and Cut stump	ACCESS	1:60 with diesel distillate
	Qld, NT	Aerial (helicopter only)	GRAZON EXTRA	3 L/ha + 1 L/ha Uptake
	Qld, NT, WA	Foliar spray	GRAZON EXTRA	350 mL/100 L of water + Uptake
	Qld, NT	Granule application – Hand	GRASLAN	1.5 g/m ² (15 kg/ha)
PARTHENIUM WEED <i>Parthenium hysterophorus</i>	Qld, NSW	Foliar spray	TORDON 75-D	125 mL/100 L of water
	Qld, NT	Foliar spray	AMINE 625 (2,4-D)	320 mL/100 L of water
PATERSON'S CURSE <i>Echium plantagineum</i>	Qld, NSW, Vic, WA	Foliar spray	TORDON 75-D	150 mL/100 L of water
	All	Foliar spray	GRAZON EXTRA	250 mL/100 L of water
	Qld, NT	Foliar spray	AMINE 625 (2,4-D)	320 mL/100 L of water
PEPPERCORN TREE <i>Schinus molle</i>	All	Basal bark	ACCESS	1:60 with diesel distillate
POND APPLE <i>Annona glabra</i>	All	Basal bark	STARANE ADVANCED	0.9 L/100 L with diesel distillate
POPLAR BOX (PMP Principles) <i>Eucalyptus populnea</i>	Qld	Aerial application	GRASLAN AERIAL	Determined by Dow AgroSciences representative on inspection
POPLAR BOX <i>Eucalyptus populnea</i>	Qld	Granule application – Hand	GRASLAN	1 g/m ² (10 kg/ha)
	All	Stem injection	TORDON DSH	1:4 with water
	Qld, NSW, Vic, WA, Tas, NT	Stem injection	RIPPER 480	0.75 or 1.5 mL undiluted/cut
	All	Cut stump	TORDON DSH	1:20 with water + surfactant
POPLAR GUM <i>Eucalyptus platyphylla</i>	Qld, WA, NT	Granule application – Hand	GRASLAN	1.5 g/m ² (15 kg/ha)
	Qld, NSW, Vic, WA, Tas, NT	Stem injection	RIPPER 480	0.7 or 1.5 mL undiluted/cut
PRICKLY ACACIA <i>Acacia nilotica</i>	All	Basal bark and Cut stump	ACCESS	1:60 with diesel distillate
		Basal bark and Cut stump	STARANE ADVANCED	0.9 L/100 L with diesel distillate
		Basal bark and Cut stump	GARLON 600	1:120 with diesel distillate
		Foliar spray	STARANE ADVANCED	450 mL/100 L of water + Uptake
	Qld, NT	Granule application – Hand	GRASLAN	1.5 g/m ² (15 kg/ha)



NOOGOORA BURR



PADDY'S LUCERNE

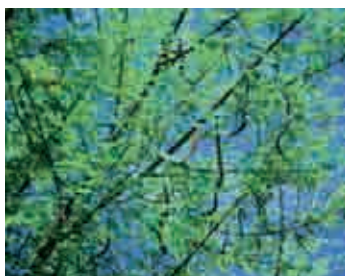


PARKINSONIA



PATERSON'S CURSE

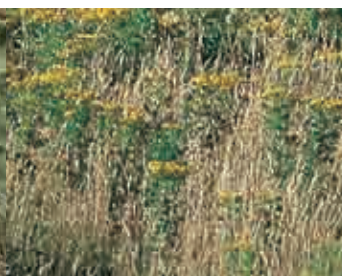
Woody weed	State	Method of application	Product – Note: Preferred option in bold letters	Rate – Consult label for details of growth stage and use, especially where range of rates is given
PRICKLY PEAR (common) <i>Opuntia stricta</i>	All	Foliar spray	GARLON 600	1:75 with diesel distillate
		Foliar spray	ACCESS	1:60 with diesel distillate
		Foliar spray	GARLON 600	3 L/100 L of water
		Foliar spray	GRAZON EXTRA	500 mL/100 L of water
PRIVET (broadleaf) <i>Ligustrum lucidum</i>	All	Basal bark and Cut stump	GARLON 600	1:12 with diesel distillate
		Basal bark and Cut stump	ACCESS	1:30 with diesel distillate
	Qld, NSW, Vic, WA, Tas, NT	Cut stump	RIPPER 480	1:1.6 with water
		Stem injection	RIPPER 480	0.75 or 1.5 mL undiluted/cut
PUNTY BUSH <i>Senna artemisioides</i> ssp. <i>filifolia</i>	All	Basal bark and Cut stump	ACCESS	1:60 with diesel distillate
QUENA <i>Solanum esuriale</i>	Qld, NSW, Vic, SA, WA	Foliar spray	TORDON 75-D	650 mL/100 L of water
RAGWORT <i>Senecio jacobaea</i>	Qld, NSW, WA	Boom application	TORDON 75-D	3.5 L/ha
	Vic, SA	Boom application	TORDON 75-D	4 L/ha
	All	Controlled droplet application	GRAZON EXTRA	Apply undiluted
		Foliar spray	GRAZON EXTRA	350 or 500 mL/100 L of water
	Qld, NSW, WA, Vic	Foliar spray	ESTERON LV	330 mL/100 L of water
		Foliar spray	TORDON 75-D	300 mL/100 L of water
	SA	Foliar spray	TORDON 75-D	150 mL/100 L of water
Vic, Tas	Granule application – Hand	TORDON GRANULES	2 g per plant – WEEDSTICK®	
RED ASH (White myrtle) <i>Alphitonia excelsa</i>	All	Basal bark and Cut stump	ACCESS	1:60 with diesel distillate
RHUS <i>Toxicodendron succedanea</i>	All	Cut stump	RIPPER 480	1:1.6 with water
RUBBERVINE (open flats) <i>Cryptostegia grandiflora</i> (Not infected with rust)	Qld, NT	Aerial application	GRASLAN AERIAL	Determined by Dow AgroSciences representative on inspection
		Cut stump	AMINE 625 [2,4-D]	240 mL/15 L of water
		Granule application – Hand	GRASLAN	1.5 g/m ² (15 kg/ha)
	Qld, NT, WA	Foliar spray	GRAZON EXTRA	350 or 500 mL/100 L of water
	Qld	Foliar spray	TORDON 75-D	1.3 L/100 L of water
	Qld, NT	Aerial (helicopter only)	GRAZON EXTRA	3 to 5 L/ha (for further information contact Tropical Weeds Research Centre, Charters Towers)
RUBBERVINE (isolated plants) <i>Cryptostegia grandiflora</i>	All	Basal bark and Cut stump	ACCESS	1:60 with diesel distillate
		Basal bark and Cut stump	GARLON 600	1:60 with diesel distillate
	Qld, NT	Granule application – Hand	GRASLAN	1.5 g/m ² (15 kg/ha)
RUSSIAN KNAPWEED (Creeping knapweed) <i>Acroptilon repens</i>	Qld, Vic	Foliar spray	LONTREL	500 mL/100 L of water
	Qld, NSW, WA	Foliar spray	TORDON 75-D	1.3 to 2 L/100 L of water
	Qld	Boom application	LONTREL	4 L/ha
SCRUB NETTLE <i>Urtica incisa</i>	All	Foliar spray	STARANE ADVANCED	300 mL/100 L of water
SENSITIVE PLANT (Giant) <i>Mimosa invisa</i>	Qld, NT	Foliar spray	GRAZON EXTRA	200 mL/100 L of water
	All	Boom application	STARANE ADVANCED	900 mL/ha + 1 L/ha Uptake
SESBANIA PEA <i>Sesbania cannabina</i>	Qld, NSW	Boom application	TORDON 75-D	1 L/ha
	Qld, NT	Boom application	AMINE 625 [2,4-D]	560 to 900 mL/ha
SIAM WEED <i>Chromolaena odorata</i>	Qld, WA, NT	Foliar spray	GRAZON EXTRA	350 mL/100 L of water + surfactant



PRICKLY ACACIA



PRICKLY PEAR



RAGWORT



RUBBERVINE

Ready reference table control guide

Woody weed	State	Method of application	Product – Note: Preferred option in bold letters	Rate – Consult label for details of growth stage and use, especially where range of rates is given
SICKLEPOD <i>Senna obtusifolia</i>	Qld	Boom application	TORDON 75-D	700 mL to 1.5 L/ha + 695 mL/ha 2,4-D amine (720 g/L)
	Qld, NT	Boom application	GRAZON EXTRA	3 L/ha + surfactant
	Qld	Foliar spray	TORDON 75-D	300 mL/100 L of water
	Qld, NT, WA	Foliar spray	GRAZON EXTRA	200 mL/100 L of water + surfactant
SIDA <i>Sida</i> spp.	All	Foliar spray	STARANE ADVANCED	600 mL/100 L of water
SIFTON BUSH (Chinese shrub) <i>Cassinia arcuata</i>	NSW, ACT	Foliar spray	GRAZON EXTRA	500 mL/100 L of water + surfactant
	All	Foliar spray	RIPPER 480	750 mL to 1 L/100 L of water
	Vic	Foliar spray	TORDON 75-D	650 mL/100 L of water
	All	Gas gun application	RIPPER 480	750 mL/9.25 L of water
	Qld, NSW	Blanket wiper	RIPPER 480	800 mL/2.2 L of water
SILVERLEAF NIGHTSHADE <i>Solanum elaeagnifolium</i>	NSW, Vic, SA	Foliar spray	TORDON 75-D	650 mL/100 L of water
	NSW	Foliar spray	RIPPER 480	1.5 L/100 L of water
	All	Foliar spray	STARANE ADVANCED	300 mL/100 L of water
	NSW, Vic, SA	Boom application	TORDON 75-D	15 L/ha
	All	Boom application	STARANE ADVANCED	450 to 600 mL/ha + 1 L/ha Uptake
	All	Boom application	STARANE ADVANCED	225 mL + 1.4 L/ha 2,4-D amine (720 g/L)
SILVER WATTLE <i>Acacia dealbata</i>	All	Basal bark and Cut stump	ACCESS	1:60 with diesel distillate
	All	Basal bark and Cut stump	GARLON 600	1:60 with diesel distillate
	NSW, Vic, Tas	Boom application	LONTREL	5 to 8.5 L/ha+Ulvapron® (200 L water/ha)
	All	Foliar spray	GARLON 600	160 or 320 mL/100 L of water
	NSW, Vic, Tas	Foliar spray	LONTREL	500 mL/100 L of water
SISAL HEMP <i>Agave</i> spp.	All	Basal bark	ACCESS	1:60 with diesel distillate
	All	Foliar spray	STARANE ADVANCED	1:55 with diesel distillate
	All	Stem injection	STARANE ADVANCED	6 mL undiluted/plant
SMARTWEED <i>Persicaria lapathifolia</i>	All	Foliar spray	GRAZON EXTRA	350 or 500 mL/100 L of water
	Qld, NSW, Vic, SA, WA	Foliar spray	TORDON 75-D	150 mL/100 L of water
SMOOTH TREE PEAR <i>Opuntia monacantha</i>	All	Foliar spray	GARLON 600	1:75 with diesel distillate
	All	Foliar spray	GRAZON EXTRA	500 mL/100 L of water
SNAKE CACTUS <i>Peniocereus serpentinus</i>	All	Foliar spray	ACCESS	1:60 with diesel distillate
SNAKEWEED <i>Stachytarpheta</i> spp.	All	Foliar spray	STARANE ADVANCED	450 mL/100 L water + Uptake
	Qld, NT	Foliar spray	AMINE 625 (2,4-D)	320 mL/100 L of water
SPEAR THISTLE <i>Cirsium vulgare</i>	All	Foliar spray	GRAZON EXTRA	150 mL/100 L of water
SPINY EMEX <i>Emex australis</i>	Qld, NSW	Foliar spray	TORDON 75-D	300 mL/100 L of water
SPINYHEAD SIDA <i>Sida acuta</i>	All	Boom application	STARANE ADVANCED	900 mL/ha + 1 L/ha Uptake
STINKING PASSION FLOWER <i>Passiflora foetida</i>	All	Foliar spray	STARANE ADVANCED	270 mL/100 L of water
STINKING ROGER <i>Tagetes minuta</i>	Qld, NSW	Boom application	TORDON 75-D	1 L/ha



SIDA



SILVERLEAF NIGHTSHADE

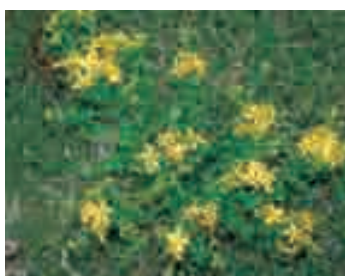


SMARTWEED

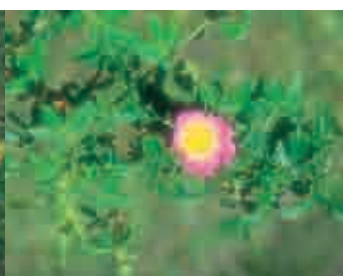


SPEAR THISTLE

Woody weed	State	Method of application	Product – Note: Preferred option in bold letters	Rate – Consult label for details of growth stage and use, especially where range of rates is given
ST. JOHN'S WORT <i>Hypericum perforatum</i>	All	Foliar spray	GRAZON EXTRA	500 mL/100 L of water
		Foliar spray	HOTSHOT	700 mL/100 L of water
		Foliar spray	STARANE ADVANCED	300 mL/100 L of water
	Qld, NSW, ACT, Vic, SA, WA	Foliar spray	TORDON 75-D	500 mL/100 L of water
	ACT, NSW	Boom application	GRAZON EXTRA	2 to 4 L/ha
	All	Boom application	STARANE ADVANCED	1.8 L/ha (200 L of water/ha)
	NSW, Qld, ACT, WA, Vic	Boom application	ESTERON LV	3.26 to 4.68 L/ha
	All	Boom application	RIPPER 480	2.25 L/ha
		Controlled droplet application	GRAZON EXTRA	Apply undiluted
	ACT, NSW, Tas, Vic	Gas gun application	GRAZON EXTRA	500 mL/10 L of water
ACT, NSW	Aerial (helicopter only)	GRAZON EXTRA	4 L/ha	
SWEET BRIAR <i>Rosa rubiginosa</i>	All	Foliar spray	GRAZON EXTRA	350 mL + 10 g metsulfuron/100 L of water
		Foliar spray	GRAZON EXTRA	500 mL/100 L of water
	All	Foliar spray	RIPPER 480	750 mL to 1 L/100 L of water
	Qld, NSW, Vic, SA, WA	Foliar spray	TORDON 75-D	650 mL/100 L of water
	All	Basal bark and Cut stump	ACCESS	1:60 with diesel distillate
		Basal bark and Cut stump	GARLON 600	1:30 with diesel distillate
	ACT, NSW	Gas gun application	GRAZON EXTRA	500 mL/10 L of water
	NSW, Vic, SA, WA, Tas	Gas gun application	RIPPER 480	750 mL/9.25 L of water
Vic, Qld, SA, WA	Granule application – Hand	TORDON GRANULES	35 to 45 g/m ²	
TEA-TREE <i>Melaleuca</i> spp.	Qld, NT	Aerial application	GRASLAN AERIAL	Determined by Dow AgroSciences representative on inspection
	All	Basal bark and Cut stump	GARLON 600	1:60 with diesel distillate
		Basal bark and Cut stump	ACCESS	1:60 with diesel distillate
		Stem injection	TORDON DSH	1:4 with water
	Qld, NT, WA	Granule application – Hand	GRASLAN	1.5 g/m ² along fence lines
THISTLES <i>Cirsium</i> spp., <i>Carthamus</i> spp.	NSW, Vic, Tas, SA, Qld	Boom application	LONTREL	50 or 70 mL/ha + 1 or 1.5 L/ha MCPA amine (500 g/L)
	All	Boom application	RIPPER 480	1.5 to 2.25 L/ha
		Controlled droplet application	GRAZON EXTRA	Apply undiluted
		Foliar spray	HOTSHOT	500 mL/100 L of water
	NSW, Vic, Tas, SA, Qld	Foliar spray	LONTREL	250 mL/100 L of water
	All	Foliar spray	GRAZON EXTRA	350 or 500 mL/100 L of water
		Foliar spray	RIPPER 480	375 or 560 mL/100 L of water
Qld, NT	Foliar spray	AMINE 625 (2,4-D)	320 mL/100 L of water	
THORNAPPLE <i>Datura</i> spp.	Qld, NSW	Foliar spray	TORDON 75-D	150 to 300 mL/100 L of water
	Qld, NT	Foliar spray	AMINE 625 (2,4-D)	320 mL/100 L of water
	Qld, NSW	Boom application	TORDON 75-D	1 L/ha
TIGER PEAR <i>Opuntia aurantiaca</i>	All	Foliar spray	GARLON 600	3 L/100 L of water
		Foliar spray	ACCESS	1:60 with diesel distillate
		Foliar spray	GARLON 600	1:75 with diesel distillate



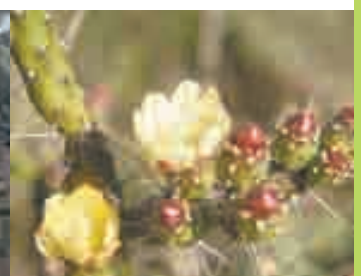
ST. JOHN'S WORT



SWEET BRIAR



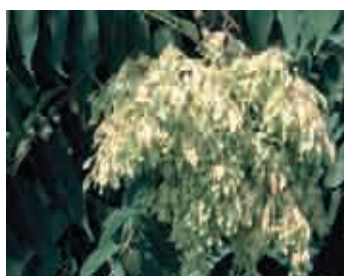
TEA-TREE



TIGER PEAR

Ready reference table control guide

Woody weed	State	Method of application	Product – Note: Preferred option in bold letters	Rate – Consult label for details of growth stage and use, especially where range of rates is given
TOBACCO WEED <i>Elephantopus scaber</i>	Qld, NT, WA	Foliar spray	GRAZON EXTRA	300 mL/100 L of water + surfactant
TREE-OF-HEAVEN <i>Ailanthus altissima</i>	All	Basal bark and Cut stump	ACCESS	1:60 with diesel distillate
	Qld, NSW, Vic, SA, WA	Basal bark and Cut stump	GARLON 600	1:60 with diesel distillate
		Foliar spray	TORDON 75-D	650 mL/100 L of water
TREE PEAR <i>Opuntia tomentosa</i>	All	Foliar spray	ACCESS	1:60 with diesel distillate
TREE VIOLET <i>Hymenanthera dentata</i>	All	Gas gun application	STARANE ADVANCED	600 mL/10 L of water
TURPENTINE <i>Syncarpia glomulifera</i>	All	Basal bark and Cut stump	ACCESS	1:60 with diesel distillate
TURPENTINE BUSH <i>Eremophila sturtii</i>	NSW	Basal bark and Cut stump	GARLON 600	1:60 with diesel distillate
	All	Basal bark and Cut stump	ACCESS	1:60 with diesel distillate
VELVET MESQUITE <i>Prosopis velutina</i>	Qld, NT	Foliar spray	GRAZON EXTRA	670 mL/100 L of water + surfactant
VINES AND LEGUMES	All	Foliar spray	STARANE ADVANCED	300 mL/100 L of water
WANDERING JEW <i>Tradescantia fluminensis</i>	All	Foliar spray	STARANE ADVANCED	900 mL/100 L of water
WATER HYACINTH <i>Eichhornia crassipes</i>	Qld, NT	Boom application	AMINE 625 (2,4-D)	3.6 or 5.3 L/ha
WATTLE REGROWTH <i>Acacia</i> spp. (Consult label for species and growth stage)	All	Basal bark and Cut stump	GARLON 600	1:60 with diesel distillate
		Basal bark and Cut stump	ACCESS	1:60 with diesel distillate
		Cut stump	TORDON DSH	1:20 with water + surfactant
		Foliar spray	GRAZON EXTRA	350 mL/100 L of water
		Foliar spray	GARLON 600	160 or 320 mL/100 L of water
	Foliar spray	STARANE ADVANCED	300 or 600 mL/100 L of water	
	All except Qld	Stem injection	TORDON DSH	1:4 with water
All	Stem injection	LONTREL	1:4 with water	
WEIR VINE <i>Ipomoea calobra</i>	Qld, NT	Foliar spray	AMINE 625 (2,4-D)	160 mL/100 L of water
WHITE LUPIN <i>Lupinus albus</i>	All	Foliar spray	STARANE ADVANCED	300 mL/100 L of water
WHITEWOOD <i>Atalaya hemiglauca</i>	All	Basal bark and Cut stump	ACCESS	1:60 with diesel distillate
	Qld, NSW, NT	Granule application – Hand	GRASLAN	1 g/m ² (10 kg/ha)
WILD ORANGE <i>Capparis canescens</i>	All	Basal bark	ACCESS	1:60 with diesel distillate
WILD PEACH <i>Prunus persica</i>	All	Basal bark and Cut stump	ACCESS	1:60 with diesel distillate
WILD ROSEMARY <i>Cassinia laevis</i>	All	Basal bark and Cut stump	ACCESS	1:60 with diesel distillate
	Qld, NSW	Granule application – Hand	GRASLAN	1.5 g/m ² (15 kg/ha)
	Qld, NT	Foliar spray	GRAZON EXTRA	350 or 500 mL/100 L of water



TREE-OF-HEAVEN



WANDERING JEW



WHITEWOOD



VINES AND LEGUMES

Woody weed	State	Method of application	Product – Note: Preferred option in bold letters	Rate – Consult label for details of growth stage and use, especially where range of rates is given
WILD TOBACCO TREE <i>Solanum mauritianum</i>	All	Cut stump	ACCESS	1:60 with diesel distillate
	Qld, NT	Cut stump	AMINE 625 (2,4-D)	240 mL/15 L of water
	Qld, NSW, ACT, NT	Foliar spray	GRAZON EXTRA	350 mL/100 L of water
	Qld	Foliar spray	TORDON 75-D	650 mL/100 L of water
	Qld, NSW, ACT, NT	Gas gun application	GRAZON EXTRA	500 mL/10 L of water
WILGA <i>Geijera parviflora</i>	All	Basal bark and Cut stump	ACCESS	1:60 with diesel distillate
WILLOW <i>Salix</i> spp.	All	Cut stump	ACCESS	1:15 with diesel distillate
		Foliar spray	RIPPER 480	750 mL to 1 L/100 L of water
	Qld, NSW, Vic, WA, NT, Tas	Stem injection	RIPPER 480	0.75 or 1.5 mL undiluted/cut
YELLOW BELLS <i>Tecoma stans</i>	All	Basal bark and Cut stump	ACCESS	1:60 with diesel distillate
YELLOW WOOD <i>Terminalia oblongata</i>	Qld	Basal bark and Cut stump	GARLON 600	1:30 with diesel distillate
		Granule application – Hand	GRASLAN	1 g/m ² (10 kg/ha)
ZAMIA PALM <i>Cycas</i> spp.	Qld	Stem injection	TORDON 75-D	1:3 with water; 1 mL/2.5 cm diameter



WILD TOBACCO TREE



WILGA

WILLOW

WEED IDENTIFICATION

Following is a list of other weed identification resources that can help you to correctly identify the species of weed you are trying to treat.

Weed Identification References

- Noxious Weeds of Australia** (second edition) – Parsons & Cuthbertson
- Plants of Western NSW** – Cunningham, Mulham, Milthorpe, Leigh
- Weeds of Southern Queensland** (second edition) – Dight, Huggins, Lucy, Zerner
- Plants of Central Queensland** – Anderson QDPI
- Poisonous Plants of Australia** – Everist



Weed identification

Always read the label for correct rate and application method.

BLACKBERRY *Rubus fruticosus*



IDENTIFICATION

Erect woody shrub up to 5 m high, with scrambling prickly stems up to 6 m long, stems may root at tips. Compound leaves of three to five evenly or irregularly toothed leaflets with prickly petioles. Flowers white to pink. The berries ripen from green to red to black in late summer.

CONTROL WITH HERBICIDES

Grazon Extra, Garlon 600, Tordon 75-D, Tordon DSH, Tordon Granules

CROFTON WEED *Ageratina adenophora*



IDENTIFICATION

A shrubby perennial with numerous upright branching stems, usually grows 1–2 m high. Young stems are soft and establish roots where they touch the ground. The leaves are bright green, trowel-shaped, 50–75 mm long, with the edges toothed. It flowers in September with small white, dense heads. Seeds are black, with fine white hairs at the tip.

CONTROL WITH HERBICIDES

Grazon Extra, Starane Advanced, Tordon 75-D

GORSE/FURZE *Ulex europaeus*



IDENTIFICATION

A densely-spiny perennial shrub up to 3 m high. Mature branches, leaves with rough brown covering but more recent growth is green. Branches produce numerous spines 2–3 cm long. Leaves narrow, spine-like in clusters. Flowers pea-like, fragrant, bright yellow.

CONTROL WITH HERBICIDES

Grazon Extra, Garlon 600, Tordon 75-D, Tordon DSH

MIMOSA BUSH *Acacia farnesiana*



IDENTIFICATION

A rounded shrub 3 m tall. Often forms thorny thickets, usually multi-stemmed. It has zig-zag shaped grey-brown branches with white spots. Yellow/green ferny leaves. Thorns grow in pairs at the base of leaf (10 cm). Orange ball-shaped flowers (1 cm across). Flowers develop in clusters of curved cigar-shaped pods (6 cm). Pods are dark brown/black, with seeds embedded in the pith.

CONTROL WITH HERBICIDES

Starane Advanced, Access

IDENTIFICATION

This perennial plant grows 30 to 60 cm tall and has mottled pale green stems. It has pencil-shaped leaves (3–10 cm long) that appear in pairs at intervals along the stem. Buds at the leaf tips produce other plantlets. It flowers late May to early October with orange-red bell-shaped flowers 2.5 cm long in a cluster at the top of each stem.

CONTROL WITH HERBICIDES

Grazon Extra, Starane Advanced

MOTHER-OF-MILLIONS *Bryophyllum* spp.

**IDENTIFICATION**

A rhizomatous, perennial herb which can grow up to 1 m high. Stemless small leaves with hypericin containing oil glands that appear as perforations when held up against light. Stems reddish in colour. Flowers have five yellow petals, three bunches of many stamens. Plant can cause photosensitisation in stock.

CONTROL WITH HERBICIDES

Grazon Extra, Tordon 75-D, Starane Advanced

ST. JOHN'S WORT *Hypericum perforatum*

**IDENTIFICATION**

Erect, perennial shrub that can reproduce from roots as well as from seed. Thorny stems up to 3 m high. Five-petalled pale pink and white flowers, in loose clusters at the ends of brambles.

CONTROL WITH HERBICIDES

Grazon Extra, Tordon 75-D, Access, Tordon Granules, Garlon 600

SWEET BRIAR *Rosa rubiginosa*

**IDENTIFICATION**

A large, tree-like cactus with a woody trunk; oblong segments 15–35 cm long, dull, dark green, covered with short hairs, which make them velvety to touch. Younger plants frequently bear several spines up to 3 cm long. It has deep orange flowers from October to mid-December and bears dull red egg-shaped fruit.

CONTROL WITH HERBICIDES

Access, Garlon 600

VELVETY TREE PEAR *Opuntia tomentosa*



The Woody Weed Specialists



For more information call toll free
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Reseller details

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