



The miracles of science™

# DuPont™ Velpar® L

## herbicide

### Technical Information

**Active Constituent:**  
250 g/L HEXAZINONE

**Pack Sizes:**  
10 L



#### CAUTION

**KEEP OUT OF REACH OF CHILDREN**

**READ SAFETY DIRECTIONS BEFORE OPENING OR USING**

For the control of certain sedges, perennial grasses and broadleaf weeds around agricultural buildings. For the control of certain woody weeds in grazing pastures by the Spotgun® method and by stem injection as per Directions for Use table.

#### NOTICE (NSW ONLY)

WITH THE EXCEPTION OF REGROWTH LESS THAN 5 YEARS OLD AND UNDER THREE METRES TALL, THE CLEARING OF MORE THAN FIVE HECTARES OF TREES BY AERIAL, GROUND OR SPOTGUN APPLICATION IN NSW IS PROHIBITED, UNLESS SPECIFICALLY AUTHORISED BY PERMIT. THIS RESTRICTION DOES NOT APPLY TO WOODY WEEDS AND STEM INJECTION OF TREES.

#### SAFETY DIRECTIONS

Will irritate the eyes, and skin. Avoid contact with eyes and skin. Do not inhale spray mist. When opening the container and preparing and using the prepared spray wear elbow length PVC gloves and goggles. If product or spray on skin immediately wash area with soap and water. After use and before eating, drinking or smoking, wash hands, arms and face thoroughly with soap and water. After each day's use, wash contaminated clothing, gloves and face shield or goggles.

#### FIRST AID

If poisoning occurs, contact a Doctor or Poisons Information Centre. If swallowed and if more than 15 minutes from a hospital induce vomiting, preferably using Ipecac Syrup APF. If in eyes, hold eyes open, flood with water for at least 15 minutes and see a doctor. For further information refer to Material Safety Data Sheet.

#### GENERAL INSTRUCTIONS

The product is an effective foliar contact and soil active residual herbicide.

#### SPOTGUN® APPLICATIONS

##### a) To the Soil

For trees greater than 5m tall, consider the stem injection technique as it requires less product.

For best results on sucker regrowth use the rate recommended for the tallest bushes (trees) listed in the Directions for Use Tables, as suckers grow from the roots of previous trees with large food reserves.

Use the spear attachment for the Spotgun® when treating brush or timber on sloping ground. Apply on the uphill side of the slope to a depth of 2 to 3 cm.

Avoid application onto ash in recently burnt areas as this may reduce the treatment's effectiveness.

The product can be applied through the SPOTGUN® at any time of the year; but results may be slow to appear if application is made to dry soil.

For optimum results the following conditions are required:

- Moist soil at application, or sufficient rainfall after treatment to promote root absorption by the target bush or trees.
- Active plant growth.

Either the on-surface nozzle or spear attachment of the SPOTGUN® may be used. When using the on-surface nozzle apply the product onto bare soil.

In areas where there is pasture growth or leaf litter covering the soil surface, best results are obtained using the SPOTGUN® with its spear attachment.

Use the spear attachment for the SPOTGUN when treating brush or timber on sloping ground. Apply on the uphill side of the slope to a depth of 2 to 3 cm.

Small patches of pasture with its roots extending under the applied spot will also be controlled. Pasture will re-establish itself in affected areas, normally within 12 to 24 months of application.

### ***Individual Brush/Tree***

All spots to be placed between the base and the dripline unless otherwise specified.

Where only two spots are applied per plant, place spots on either side of the plant.

Where applicable, apply multiple spots each evenly spaced around the plant.

### ***Grid Pattern Application***

Unless otherwise indicated;

#### ***Bushes/trees up to 1 m tall***

(i) when the target plant density is less than 10,000/ha (ie. plants more than 1 m apart), treat on an individual stem basis.

(ii) when target plant density is 10,000/ha and greater (ie. plants 1 m or less apart), treat using the 1x1 m grid pattern technique.

#### ***Bushes (trees) 1 to 7 m tall or suckers***

(i) when target plant density is less than 2,500/ha (ie. plants more than 2 m apart), treat on an individual stem basis.

(ii) when target plant density is 2,500/ha and greater (ie. plants 2 m or less apart), treat using the 2x2 m grid pattern technique.

### **b) Stem Injection Application**

For multi-stemmed trees, treat each stem as an individual tree.

Bushes (trees) up to 5 m tall. 1 cut/bush (tree) at waist height.

Trees 5 to 18 m tall. 30 cm centre to centre cut spacing around the circumference at waist height.

The Stem Injection technique requires less product than Spotgun® applications to the soil for Eucalypts greater than 5 m tall.

The product can be stem injected at any time of the year, but for best results treatment should be at a time of good sap flow. Avoid periods of drought stress.

It is recommended that the injection cuts be made at a comfortable height - ie. waist height.

Use a narrow bladed axe (5 to 7 cm wide blade) to make the cuts.

A suitable Tree Injector should be used to place the product into the cut.

It is important that the axe cuts be made to the correct depth - this is down into the sap stream. Ensure the cuts are deep enough to properly penetrate the bark - the thickness of the bark varies from one species to another.

Ensure that the product is injected into the cut within 5 seconds of the cut being made. This ensures its proper absorption into the sap stream. Failure to do this may result in unsatisfactory control.

### **FOLIAR SPRAY APPLICATIONS**

Use sufficient water for thorough uniform coverage.

For best foliar and residual control, apply as a post-emergent spray during the period of active plant growth and when the air temperatures are 25°C and above. Applications when vegetation is dormant, semi-dormant, under moisture stress or during the winter months may not be as effective.

In temperate winter rainfall areas where temperatures are generally below 25°C during the period of active plant growth, the foliar effect may be slow to appear. In these areas herbicide activity is more dependent on root absorption.

For residual control, sufficient rainfall is required after treatment to promote root absorption by the weeds.

Results obtained may vary with the amount of chemical applied, rainfall, air temperature, soil type and other conditions.

All use rates of the product are expressed as overall rates. For band treatment use proportionately less, ie. use one-third the overall rate when treating one-third of the area.

### **EQUIPMENT AND APPLICATION**

#### **a) Spotgun® and Stem Injection**

i) Applications to the soil - the product is to be applied using a DuPont Velpar® L Spotgun®.

ii) Stem Injection - the product is to be applied using a suitable tree injector.

#### **b) Foliar Spray Applications**

Velpar® L is a water miscible liquid formulation.

The product is mixed with water and applied at recommended rates with ground equipment.

Partially fill the spray tank with water and add the correct amount of the product for the area to be sprayed with the agitation system engaged. Top up to correct volume with water, and for best results keep the spray solution agitated whilst spraying. To prevent nozzle blockage, strainer and nozzle screens should be 50 mesh or coarser.

Ground Application - Apply in 100 – 400 L/ha with a properly calibrated boom or 2000 – 4000 L/ha with hand spray equipment.

### **USE OF SURFACTANT/WETTING AGENT**

Use a surfactant/wetting agent for foliar spray applications only, by ground equipment.

A non-ionic surfactant/wetting agent may be added at the rate of 250-500 mL/100L of spray (for a surfactant containing 100% active constituent) for improved wetting.

## PROTECTION OF LIVESTOCK

- a) *Spotgun® and Stem Injection Applications*  
Stock don't need to be moved away from Spotgun® and stem injection treated areas.
- b) *Foliar Spray Applications*  
Keep stock away from sprayed areas.

## PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT

**DO NOT** contaminate ponds, waterways and drains with the product or used containers.

## PROTECTION OF CROPS, NATIVE AND OTHER NON-TARGET PLANTS

- a) All Application Methods  
THE PRODUCT MAY KILL MANY TREES AND OTHER DESIRABLE PLANTS IF NOT CORRECTLY APPLIED.  
See also specific items listed for each use method.

**DO NOT** apply on or near desirable trees or other plants (except as recommended for crop use), or on areas where their roots may extend. as guidance this is two times their height, or more depending on the species and other conditions.

**DO NOT** apply in areas where a surface flow of water could wash the chemical into areas where the roots of desirable trees of plants may extend.

**DO NOT** drain or flush spray equipment, spotgun or stem injector near desirable trees or in areas where their roots may extend.

- b) *Foliar Spray Applications*  
**DO NOT** apply under windy conditions and in areas where spray drift could damage valuable plants.  
**DO NOT** use on lawns, walkways, driveways or tennis courts.

## STORAGE AND DISPOSAL

Store in the closed, original container in a well ventilated area, as cool as possible. **DO NOT** store for prolonged periods in direct sunlight. **DO NOT** use or store at temperatures of 0°C, or below, as the product will freeze.

Flammable, keep away from heat, sparks and naked flame.  
Keep from contact with fertilisers, insecticides, fungicides and seeds. **DO NOT** re-use container. Triple or preferably pressure rinse containers disposal. Add rinsings to spray tank. **DO NOT** dispose of undiluted chemicals on-site. If recycling return containers to recycler or point of sale. If not recycling break, crush, or puncture and bury empty containers in a local authority landfill. If not available bury the containers below 500mm in a disposal pit specifically marked and set up for this purpose clear of waterways, vegetation and roots. Empty containers and product should not be burnt.

IN A MEDICAL EMERGENCY CALL  
1800 674 415 All hours

## NOTICE TO BUYER

To the extent permitted by law all conditions and warranties and statutory or other rights of action which buyer or any other user may have against DuPont or Seller are hereby excluded. DuPont hereby gives notice to buyer and other users that it will not accept responsibility for any indirect or consequential loss arising from reliance on product information or advice provided by DuPont or on its behalf unless it is established that such information or advice was provided negligently and that the product has been used strictly as directed. DuPont's liability shall in all circumstances be limited to replacement of the product or a refund of the purchase price paid therefore.

APVMA Approval number: 42637/02

## DIRECTIONS FOR USE

### NON-FORESTRY APPLICATIONS

#### SPOTGUN® TO INDIVIDUAL BUSH/TREE

SITUATION/ CROP	WEEDS CONTROLLED	STATE	RATE	CRITICAL COMMENTS
Around agricultural buildings and in pasture situations.	<i>Acacia spp.</i> such as: Brigalow ( <i>A. harpophylla</i> )	Qld, NSW Only	2 mL/spot 1 spot for each metre in height	Seedlings/bushes/trees up to 5m tall. For suckers use the rate as if seedlings/bushes/trees 5 m tall ie. 5 x 2 mL spots. Blackwood ( <i>A. melanoxylon</i> ) and Prickly Mimosa ( <i>A. verticillata</i> ) are not controlled at the recommended use rate
	Silver Wattle ( <i>A. dealbata</i> )	ALL STATES		
	Currawang/Hickory (White wood) ( <i>A. doratoxylon</i> )	Qld, NSW, Vic, WA Only		
	Prickly Acacia ( <i>Acacia nilotica</i> )	Qld, NSW Only	4 mL/spot 1 spot for each metre in height	Seedlings/bushes/trees up to 5m tall. Apply between October and March for best results.
	<i>Eucalyptus spp.</i> such as: Poplar Box/Bimble Box ( <i>E. populnea</i> )	Qld, NSW Only	2 mL/spot 1 spot for each bush/tree	Bushes/trees up to 1 m tall**
	Creswick Apple Box (Scent Bark) ( <i>E. aromaphloia</i> )	NSW, Vic Only		
	Grey Box/Gum-topped Box ( <i>E. moluccana</i> )			
	Longleaf Box ( <i>E. goniocalyx</i> )			
	White Box ( <i>E. albens</i> )			
	Coolibah ( <i>E. microtheca</i> )	Qld, NSW, SA, WA Only		
	Dawson Gum ( <i>E. cambageana</i> )	Qld Only		
	Mountain Grey Gum/Monkey Gum ( <i>E. cypellocarpa</i> )	NSW, Vic, SA Only		
	Blakely's Red Gum ( <i>E. blakelyi</i> )	NSW, Vic Only		
Red Ironbark/Mugga ( <i>E. sideroxylon</i> )	Qld, NSW, Vic Only			
Congoo Mallee ( <i>E. dumosa</i> ) Yorrell (White Mallee) ( <i>E. glauca</i> ) Pointed Mallee (Red Mallee) ( <i>E. socialis</i> )	NSW, Vic, SA Only			
Broadleaf Peppermint ( <i>E. dives</i> ) Narrowleaf Peppermint ( <i>E. radiata</i> )	NSW, Vic Only	4 mL/spot 2 spots for each bush/tree	Bushes/trees 3 to 7 m tall suckers.**	
Brown Stringybark ( <i>E. baxteri</i> )	Vic, SA Only			

\*\* See General Instructions page - for on-surface nozzle or spear attachment recommendations.

**NON-FORESTRY APPLICATIONS**  
**SPOTGUN® TO INDIVIDUAL BUSH/TREE (continued)**

SITUATION/ CROP	WEEDS CONTROLLED	STATE	RATE	CRITICAL COMMENTS
Around agricultural buildings and in pasture situations.	<i>Eucalyptus spp.</i> cont Messmate Stringybark ( <i>E. obliqua</i> ) Red Stringybark ( <i>E. macrorhyncha</i> ) White Stringybark ( <i>E. globoidea</i> )	NSW, Vic, SA Only	2 mL/spot 1 spot for each bush/tree	Bushes/trees up to 1 m tall**
		NSW, Vic Only	4 mL/spot 1 spot for each bush/tree	Bushes/trees 1 to 3 m tall**
			4 mL/spot 2 spots for each bush/tree	Bushes/trees 3 to 7 m tall suckers.**
	Bitterbark/Quinine Tree ( <i>Alstonia constricta</i> )	Qld, NSW Only	2 mL/spot	Bushes/trees up to 3 m tall**
	White Cypress Pine ( <i>Callitris columellaris</i> )	ALL STATES	1 spot for each metre in height	
	Monterey Cypress ( <i>Cupressus macrocarpa</i> )	Vic Only		
	Dogwood/Common Cassinia/Dollybush ( <i>Cassinia aculeata</i> )	NSW, Vic, SA, TAS Only		
	False Sandalwood/Budda ( <i>Eremophila mitchellii</i> )	Qld, NSW Only		
	Whitewood ( <i>Atalaya hemiglauca</i> )	Qld, NSW, SA, WA Only		
	Broadleaf Teatree ( <i>Melaleuca viridiflora</i> )	NSW, Qld Only		
	African Boxthorn ( <i>Lycium ferocissimum</i> )	ALL STATES	4 mL/spot 1 spot for each metre in height	
	Yellow-wood ( <i>Terminalia oblongata</i> )	Qld Only		
	Tree-of-Heaven ( <i>Ailanthus altissima</i> )	NSW, Vic, WA Only		
	Sweet Briar ( <i>Rosa rubiginosa</i> )	NSW, Vic, TAS Only	4 mL/spot 1 spot for each metre in height	Bushes up to 3 m tall**  Deep rooted bushes may require re-treatment if at two years they are still partially green. Place spot near base of plant.**
	Parkinsonia ( <i>Parkinsonia aculeata</i> )	Qld, NSW, WA Only	4 mL/spot 1 spot for each bush (tree)	Bushes/trees up to 5 m tall**
Rubber vine ( <i>Cryptostegia grandiflora</i> )	Qld Only	2 mL/spot 3 spots for each bush (tree)	Bushes/trees up to 2 m tall  Deep rooted bushes may require re-treatment if at two years they are still partially green. Place spots near base of plant.**	
Blackberry ( <i>Rubus spp.</i> )	ALL STATES	4 mL/spot for each bush	Single crowned bushes up to 1 m tall Apply near base of crown.** Tas only: DO NOT apply to bushes which bear mature or near mature fruit.	
Limebush ( <i>Eremocitrus glauca</i> )	Qld Only	2 mL/spot 2 spots for each bush	Bushes up to 3 m high.	

\*\* See General Instructions page - for on-surface nozzle or spear attachment recommendations.

**NON-FORESTRY APPLICATIONS**  
**STEM INJECTION**

SITUATION/CROP	WEEDS CONTROLLED	STATE	RATE	CRITICAL COMMENTS
Around agricultural buildings and in pasture situations.	<i>Eucalyptus spp.</i> such as Red Bloodwood ( <i>E. dichromophloia</i> )	Qld Only	1 mL/cut or 2 mL/cut	15 cm centre to centre cut.
	Creswick Apple Box (Scent Bark) ( <i>E. aromaphloia</i> ) Grey Box/Gum-topped Box ( <i>E. moluccana</i> ) White Box ( <i>E. albens</i> )	NSW, Vic Only		30 cm centre to centre cut.
	Coolibah ( <i>E. microtheca</i> )	Qld, NSW, WA, SA Only		Apply cuts to waist height. Regardless of bush/tree size apply a minimum of 2 mL for each bush/tree.
	Blakely's Red Gum ( <i>E. blakelyi</i> )	NSW, Vic Only		
	Red Ironbark/Mugga ( <i>E. sideroxylon</i> )	Qld, NSW, Vic Only		
	Red Stringybark ( <i>E. macrorhyncha</i> )	NSW, Vic, SA Only		For Grey Box/Gum Topped Box use the narrow spacing ie. 15 cm.
	Morton Bay Ash ( <i>E. tessellaris</i> )	NSW, Qld Only		
	Brown Box ( <i>E. microcarpa</i> ) Silverleaf Ironbark ( <i>E. melanoploia</i> ) Tumbledown Gum ( <i>E. dealbata</i> ) Poplar Box/Bimble Box ( <i>E. populnea</i> )	NSW, Qld Only	0.5 mL/cut or 1.0 mL/cut	15 cm centre to centre cut.  30 cm centre to centre cut.  Regardless of bush/tree size apply a minimum of 1 mL for each bush/tree.

\*\* See General Instructions page - for on-surface nozzle or spear attachment recommendations.

**NON-FORESTRY APPLICATIONS  
SPOTGUN® ON GRID PATTERN**

SITUATION/ CROP	WEEDS CONTROLLED	STATE	RATE	CRITICAL COMMENTS
Around agricultural buildings and in pasture situations.	<i>Acacia spp.</i> such as: Brigalow ( <i>A. harpophylla</i> )	Qld, NSW Only	1 mL/spot	Seedlings or single stemmed trees up to 1 m tall.**
	Silver Wattle ( <i>A. dealbata</i> )	ALL STATES		
	Currawang/Hickory (White wood) ( <i>A. doratoxylon</i> )	Qld, NSW, Vic, WA Only	4 mL/spot	Bushes/trees 1 to 4 m tall or suckers.**  Blackwood ( <i>A. melanoxylon</i> ) and Prickly Mimosa ( <i>A. verticillata</i> ) are not controlled at the recommended use rates.
	<i>Eucalyptus spp.</i> such as: Poplar Box/Bimble Box ( <i>E. populnea</i> )	Qld, NSW Only	1 mL/spot	Bushes/trees up to 1 m tall**
	Creswick Apple Box (Scent Bark) ( <i>E. aromaphloia</i> ) Grey Box/Gum-topped Box ( <i>E. moluccana</i> ) Longleaf Box ( <i>E. goniocalyx</i> ) White Box ( <i>E. albens</i> ) Coolibah ( <i>E. microtheca</i> )	NSW, Vic Only	4 mL/spot	Bushes/trees 1 to 7 m tall or suckers.**
	Dawson Gum ( <i>E. cambageana</i> )	Qld Only		
	Mountain Grey Gum/Monkey Gum ( <i>E. cypellocarpa</i> )	NSW, Vic, SA Only		
	Blakely's Red Gum ( <i>E. blakelyi</i> )	NSW, Vic Only		
	Red Ironbark/Mugga ( <i>E. sideroxylon</i> )	Qld, NSW, Vic Only		
	Congoo Mallee ( <i>E. dumosa</i> ) Yorrell (White Mallee) ( <i>E. glauca</i> ) Pointed Mallee (Red Mallee) ( <i>E. socialis</i> )	NSW, Vic, SA Only		
	Broadleaf Peppermint ( <i>E. dives</i> ) Narrowleaf Peppermint ( <i>E. radiata</i> )	NSW, Vic Only		
	Brown Stringybark ( <i>E. baxteri</i> )	Vic, SA Only		
	Messmate Stringybark ( <i>E. obliqua</i> ) Red Stringybark ( <i>E. macrorhyncha</i> ) White Stringybark ( <i>E. globoidea</i> )	NSW, Vic, SA Only		
	Bitterbark/Quinine Tree ( <i>Alstonia constricta</i> )	Qld, NSW Only	1 mL/spot	Bushes/trees up to 1 m tall**
	White Cypress Pine ( <i>Callitris columellaris</i> )	ALL STATES		
	Monterey Cypress ( <i>Cupressus macrocarpa</i> )	Vic Only	4 mL/spot	Bushes/trees 1 to 3 m tall**
	Dogwood/Common Cassinia/ Dollybush ( <i>Cassinia aculeata</i> )	NSW, Vic, SA, TAS Only		
	False Sandalwood/Budda ( <i>Eremophila mitchellii</i> )	Qld, NSW Only		
	Whitewood ( <i>Atalaya hemiglauca</i> )	Qld, NSW, SA, WA Only		
	African Boxthorn ( <i>Lycium ferocissimum</i> )	ALL STATES		
	Yellow-wood ( <i>Terminalia oblongata</i> )	Qld Only		
	Rubber vine ( <i>Cryptostegia grandiflora</i> )	Qld Only	1 mL/spot  4 mL/spot	Bushes up to 1 m tall**  Bushes 1 to 2 m tall  Deep rooted bushes may require re-treatment if at two years they are still partially green.**
	Tree of Heaven ( <i>Tailanthus altissima</i> )	NSW, Vic, WA Only	2 mL/spot	Bushes/trees up to 3 m tall  Apply spots on a 1 x 1 m grid pattern.**
Parkinsonia ( <i>Parkinsonia aculeata</i> )	Qld, NSW, WA Only	1 mL/spot  4 mL/spot	Bushes/trees up to 1 m tall**  Bushes/trees 1 to 5m tall**	
Broadleaf Teatree ( <i>Melaleuca viridiflora</i> )	Qld Only	2 mL/spot	Bushes up to 1 to 3 m tall**  Apply spots on a 2 x 2 m grid pattern	

\*\* See General Instructions page - for on-surface nozzle or spear attachment recommendations.

**NON-FORESTRY APPLICATIONS  
GROUND APPLICATION**

SITUATION/CROP	WEEDS CONTROLLED	STATE	RATE/HA	Foliar Spray Applications	CRITICAL COMMENTS	
Around agricultural buildings.	<b>ANNUAL WEEDS</b> Summer grass, Barnyard grass, Love grass, Green amaranth, Asthma plant, Common sida, Common sow-thistle, Wild oats, Soft brome, Great brome, Medics, Fleabanes, Paterson's curse (Salvation Jane), Blackberry nightshade	ALL STATES	13 to 18 L			Use the higher rates on heavy soils and soils high in organic matter or carbon; on light soils where rainfall is heavy or on dense established stands of hard to kill species such as paspalum, couch grass ( <i>Cynodon dactylon</i> ), nut grass and kikuyu.
	<b>PERENNIAL WEEDS:</b> Docks, Creeping buttercup, Ribwort (plantain), Couch grass ( <i>Cynodon dactylon</i> ), Paspalum, Nutgrass, Kikuyu, Artichoke thistle, Rhodes grass, Chicory, Flatweeds	Qld, NSW, WA Only	18 to 54 L			
		Vic, SA, TAS Only	22 to 43 L			
	<i>Parthenium hysterophorus</i>	Qld, NSW Only	3.5 L (Large areas) 7 mL/10 L/20 m <sup>2</sup> (Small areas)	Gives complete eradication of mature plants only. Seedling plants should be controlled for up to 6 months.		
Spiny rush ( <i>Juncus acutus</i> )	Vic Only	360 to 540 mL/100 L				

**NOT TO BE USED FOR ANY PURPOSE OR IN ANY MANNER CONTRARY TO THIS LABEL UNLESS AUTHORISED UNDER APPROPRIATE LEGISLATION.**

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