

**POISON**  
**KEEP OUT OF REACH OF CHILDREN**  
**READ SAFETY DIRECTIONS BEFORE OPENING OR USING**



**VELPAR<sup>®</sup> DF**

**HERBICIDE**

**ACTIVE CONSTITUENT: 750 g/kg HEXAZINONE**

**GROUP C HERBICIDE**

**10 kg**

For the control of certain hedges, perennial grasses, broadleaf and woody weeds in *Pinus radiata* forests, and industrial weed control situations.

**DIRECTIONS FOR USE*****Pinus radiata* plantations****GROUND AND AERIAL APPLICATION**

SITUATION/CROP	WEEDS CONTROLLED	STATE	RATE / HA	CRITICAL COMMENTS
				<b>FOLIAR SPRAY APPLICATIONS</b>
<b>Pre-planting SITE PREPARATIONS Pasture sites</b>	<b>ANNUALS</b> Flatweeds, Rye grasses Clovers	Qld, NSW, ACT, Vic, Tas, WA only	2.5 kg	Apply any time from March through to July. It is recommended to delay planting until planting lines become clearly visible, i.e., when effects of the product are evident. Machine planting is not recommended, as soil disturbance will reduce the residual activity.
	<b>HARD-TO-KILL PERENNIALS</b> Wallaby Grass, Serrated Tussock, Sorrel, Dandelion, Kangaroo Grass (suppression only)		3.5 to 5 kg	
<b>Native Woodland, heath and second rotation sites – Long term control</b>	<b>WOODY AND HARD-TO-KILL WEEDS</b> Bracken, Varnish Acacia ( <i>Acacia verniciflua</i> ), Sunshine Acacia ( <i>Acacia botrycephala</i> ), Silver Wattle ( <i>Acacia dealbata</i> ), Hop Goodenia ( <i>Goodenia ovata</i> ), Common Cassinia (Dogwood Vic. only) ( <i>Cassinia aculeata</i> )		5 kg	

SITUATION/CROP	WEEDS CONTROLLED	STATE	RATE / HA	CRITICAL COMMENTS
<b>Post-planting TREE RELEASE APPLICATION</b>	<b>ANNUALS and HARD-TO-KILL PERENNIALS</b>  See "Pre-planting SITE PREPARATIONS – Pasture sites	NSW, ACT, Vic, Tas, SA, WA only	2 kg + 7.5 L Atrazine 600 SC or 9 L Atrazine 500 SC or 5 kg Atrazine 900 WG	Apply during July, August or September. Allow 8 weeks after transplanting before treatment. <b>See below.</b>  Avoid use on <i>Pinus radiata</i> suffering from stress (such as drought or water logging). Avoid use on shale soils and exposed subsoils.
<b>Pasture Sites</b>	<b>ANNUAL AND PERENNIAL WEEDS</b> See "Pre-planting SITE PREPARATIONS – Pasture sites	Qld, NSW, ACT, Vic, Tas, WA only	3.5 to 5 kg	Apply during August, September, October. Allow 8 weeks after transplanting before treatment.
<b>Native Woodland Heath and Second Rotation Sites – long term control</b>	<b>WOODY AND HARD-TO-KILL WEEDS</b> See "Pre-planting SITE PREPARATIONS – Native Woodland etc.		5 kg	<b>*DO NOT apply surfactant/wetting agent when spraying over <i>Pinus radiata</i> trees.</b>
<b>Loamy sands and sandy soils</b>	Sorrel, Yorkshire Fog Grass, Annual Ryegrass	SA only	3.5 kg	Apply during August or September, October. Allow 8 weeks after transplanting before treatment. See above*.

**FORESTRY SPOT APPLICATIONS**

<b>SITUATION/CROP</b>	<b>WEEDS CONTROLLED</b>	<b>STATE</b>	<b>RATE</b>	<b>CRITICAL COMMENTS</b>
<b>Post-planting</b> TREE RELEASE APPLICATION  Pasture sites  and  <b>Native Woodland Heath</b> <b>and Second Rotation</b> <b>Sites</b>	<b>ANNUALS</b> Brome Grass, Capeweed, Chickweed, Clovers, Flatweeds, Rye grasses	Qld, NSW, ACT, Vic, Tas, WA only	6 or 12 mL of spray solution / pine	Mix 1 kg Velpar DF with 30 L water and apply amount shown/pine.  Use the higher rates of Velpar DF: -when weed pressure is heavy; -when grasses are the major problem; -for longer-term weed control and greater pine growth responses.
	<b>HARD-TO-KILL PERENNIALS</b> Dandelion, Docks, Paspalum, Ribwort/Plaintain, Serrated Tussock, Snow Grass, Sorrel, Wallaby Grass, Yorkshire Fog grass, Kangaroo Grass (suppression only)		10 or 12 mL of spray solution / pine	Hold spot applicator (fitted with 120° solid cone nozzle) over the pine (slightly off centre to the central leader) with the nozzle tip 50 cm above the ground when making the application.  Apply 1 to 4 months after pines have been transplanted into plantation.

## INDUSTRIAL WEED CONTROL APPLICATIONS

### GROUND APPLICATION

SITUATION/CROP	WEEDS CONTROLLED	STATE	RATE / HA	CRITICAL COMMENTS
				<b>FOLIAR SPRAY APPLICATIONS</b>
Commercial and industrial areas, rights of way, 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	4 to 6 kg	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, ACT, WA only	6 to 8 kg	
		Vic, SA, Tas only	8 kg	
	<i>Parthenium hysterosphorus</i>	Qld, NSW, ACT only	1 kg (large areas) 2 g / 10 L / 20 m <sup>2</sup> (small areas)	
Commercial and industrial areas, rights of way, around agricultural buildings	Spiny Rush ( <i>Juncus acutus</i> )	Vic only	120 to 180 g / 100 L	Gives complete eradication of mature plants only. Seedling plants should be controlled for up to six months.

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

**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.

**GENERAL INSTRUCTIONS**

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

Use sufficient water for thorough 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, i.e. use one-third the overall rate when treating one-third of the area.

DO NOT apply Velpar DF during periods of intense rainfall, when wind speed exceeds 30 kph (for ground application) or when wind speed exceeds 20 kph (for aerial application). On slopes of 20% to 30%, apply Velpar DF by strip or spot application only. On slopes greater than 30% apply by spot application only.

**RESISTANCE WARNING**

Velpar DF Herbicide is a member of the triazinone group of herbicides. Velpar DF is an inhibitor of photosynthesis at photosystem II (PS II inhibitor). For weed resistance management, Velpar DF is a Group C herbicide. Some naturally occurring weed biotypes resistant to Velpar DF and other Group C herbicides may exist through normal genetic variability in any weed population. The resistant individuals can eventually dominate the weed population if these herbicides are used repeatedly. These resistant weeds will not be controlled by Velpar DF or other Group C herbicides. Since the occurrence of resistant weeds is difficult to detect prior to use, Bayer CropScience Pty Ltd accepts no liability for any losses that may result from the failure of Jaguar to control resistant weeds.

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

THE PRODUCT MAY KILL MANY TREES AND OTHER DESIRABLE PLANTS IF NOT CORRECTLY APPLIED. DO NOT apply on or near desirable trees or other plants, or on areas where their roots may extend. As guidance this distance 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 or plants may extend.

DO NOT drain or flush spray equipment near desirable trees or in areas where their roots may extend.

DO NOT apply under windy conditions and in areas where spray drift could damage valuable plants.

## PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT

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

## PROTECTION OF LIVESTOCK

Keep stock away from sprayed areas.

## STORAGE AND DISPOSAL

Store in the closed, original container in a dry, cool, well-ventilated area out of direct sunlight. DO NOT store or expose product to wet conditions. Keep from contact with fertilisers, fungicides and seeds. Single-rinse or shake remainder into spray tank. DO NOT dispose of undiluted chemicals on site. Puncture and deliver empty packaging to an approved waste management facility. If an approved waste management facility is not available, bury the empty packaging 500 mm below the surface in a disposal pit specifically marked and set up for this purpose, clear of waterways, desirable vegetation and tree roots, in compliance with relevant local, state or territory government regulations. Do not burn empty containers or product. DO NOT re-use empty container for any other purpose.

## SAFETY DIRECTIONS

Harmful if swallowed. Will damage eyes. Will irritate the skin. Avoid contact with eyes and skin. DO NOT inhale dust. When using the product, wear cotton overalls buttoned to the neck and wrist and a washable hat, elbow-length pvc gloves and goggles. If product on skin, immediately wash area with soap and water. If product in eyes, wash it out immediately with water. After use and before eating, drinking or smoking, wash hands, arms and face thoroughly with soap and water. After each days use, wash gloves, goggles and contaminated clothing.

## FIRST AID

If poisoning occurs, contact a Doctor or Poisons Information Centre. Phone Australia 13 11 26. If in eyes, hold eyes open, flood with water for at least 15 minutes and see a doctor.

## SAFETY DATA SHEET

Additional information is listed in the Safety Data Sheet which may be found at [www.environmentalscience.bayer.com.au](http://www.environmentalscience.bayer.com.au).

## EXCLUSION OF LIABILITY

This product must be used strictly as directed, and in accordance with all instructions appearing on the label and in other reference material. So far as it is lawfully able to do so, Bayer CropScience Pty Ltd accepts no liability or responsibility for loss or damage from failure to follow such directions and instructions.

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