

Product Name: Macspred Velmac Plus Controlled Release Herbicide
APVMA Approval No: 84905/111725



Label Name:	Macspre Velmac Plus Controlled Release Herbicide
Signal Headings:	CAUTION KEEP OUT OF REACH OF CHILDREN READ SAFETY DIRECTIONS BEFORE OPENING OR USING
Constituent Statements:	ACTIVE CONSTITUENTS: 150 g/kg HEXAZINONE 38 g/kg CLOPYRALID PRESENT AS THE POTASSIUM SALT
Mode of Action:	GROUP C I HERBICIDE
Statement of Claims:	A Controlled Release Herbicide Granule for the control of a wide range of annual and perennial grasses, broadleaf weeds and woody weeds in commercial and industrial areas, Pinus radiata plantations and other situations as specified in the directions for use table.
Net Contents:	1kg – 1000kg
Restraints:	DO NOT apply to Pinus radiata trees suffering from stress (drought or waterlogging) or under high temperatures where trees are transpiring rapidly. DO NOT apply to weeds which may be stressed (inactive growth) due to prolonged periods of extreme heat or cold, moisture stress (water logging or drought) or previous herbicide treatment as reduced levels of control may result. DO NOT apply this product by air within a Chemical Control Area in Victoria without a valid permit. DO NOT apply during periods of intense rainfall, when wind speed exceeds 20 kph (for aerial applications) or under conditions which will cause drift or movement to non-target areas. On slopes exceeding 30%, DO NOT broadcast apply this product where there is no vegetation or slash, or on uncultivated or non-mounded or on bare ground. DO NOT compost material from treated plants or crops before reading the PROTECTION OF CROPS, NATIVE AND OTHER NON-TARGET PLANTS section.

Directions for Use:	This section contains file attachment.
---------------------	--

Other Limitations:	-
--------------------	---

Withholding Periods:	PASTURES, and INDUSTRIAL/COMMERCIAL SITUATIONS: DO NOT GRAZE OR CUT TREATED CEREALS FOR STOCKFOOD FOR 7 DAYS AFTER APPLICATION. FORESTS: NONE REQUIRED WHEN USED AS DIRECTED
----------------------	---

Trade Advice:	-
---------------	---

General Instructions:	<p>GENERAL INSTRUCTIONS</p> <ul style="list-style-type: none"> • The product is a controlled release granular formulation that does not need to be mixed in water. It is an effective residual herbicide. • Weed knockdown may be slower to appear compared to equivalent rates of Velmac™ Controlled Release Herbicide due to the slower release of herbicide from the granule. • Best results will be obtained if the product is applied to bare ground. Reduced weed control will be obtained if the product is applied to weeds greater than 10cm in height or diameter. • If weed growth is present (refer to point above), apply during periods of active plant growth. Application 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 growth, overall effect may be slow to appear. For best control of perennials such as Paspalum, apply during the months of spring in these areas. In WA and SA and in areas where inconsistent autumn/spring rainfall occurs, apply during April-September when adequate rainfall is expected. • Sufficient moisture is required after treatment to promote root absorption by the weed species. • Results obtained may vary with the amount of chemical applied, rainfall, soil type and other conditions. • DO NOT apply Velmac™ Plus Controlled Release Herbicide during periods of intense rainfall, when wind speed exceeds 30kph for ground application or 20kph for aerial applications or under conditions, which will cause drift or movement to non-target areas. • On slopes exceeding 30% DO NOT broadcast apply this product where there is no vegetation or slash, or on uncultivated or non-mounded or on bare ground. <p>EQUIPMENT AND APPLICATION</p> <ul style="list-style-type: none"> • Aerial application: To achieve the maximum weed control, this product should only be applied by a Macspred approved applicator. • Ground application: A suitably calibrated granular applicator unit can be used for broadcast or strip (mound) weed control practices. • For Application to individual <i>P. radiata</i> trees use the Weed-A-Metre. The Weed-A Metre should be held at a height recommended by the manufacturer, over the pine tree using the appropriate trigger to deliver the correct dose. • DO NOT use the Weed-A-Metre in windy conditions such that accurate placement of the granules is not possible <p>CROP SAFETY (Pinus radiata only) Because death or injury to trees may result, DO NOT apply after planting in the following situations:-</p>
-----------------------	---

	<ul style="list-style-type: none"> (a) On trees which show poor vigour due to disease, or environmental factors such as drought, moisture stress or waterlogging (b) On poorly drained soils (c) On gravelly or light sandy soils
--	--

Resistance Warning:	<p>Resistant Weeds Warning GROUP C I HERBICIDE</p> <p>Macspred Velmac™ Plus Controlled Release Herbicide is a member of the triazinones and pyradines group of herbicides. Macspred Velmac™ Plus Controlled Release Herbicide has the Inhibitors of photosynthesis at photosystem II and disruptors of plant cell growth modes of action. For weed resistance management Macspred Velmac™ Plus Controlled Release Herbicide is a Group C and I herbicide.</p> <p>Some naturally occurring weed biotypes resistant to Macspred Velmac™ Plus Controlled Release Herbicide and other Group C and I 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 Macspred Velmac™ Plus Controlled Release Herbicide or other Group C and I Herbicides.</p> <p>Since the occurrence of resistant weeds is difficult to detect prior to use, Macspred accepts no responsibility for any losses that may result from the failure of Macspred Velmac™ Plus Controlled Release Herbicide or any other Group C and I Herbicides.</p>
---------------------	---

Precautions:	-
--------------	---

Protections:	<p>PROTECTION OF CROPS, NATIVE AND OTHER NON-TARGET PLANTS</p> <p>DO NOT apply the product on or near desirable trees or other plants, 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.</p> <p>DO NOT apply the product in areas where a surface flow of water could wash the product into areas where the roots of desirable trees or plants may extend.</p> <p>DO NOT use in irrigation channels or in drains where water is discharged onto pasture land, cropland, lawns, walkways, driveways or tennis courts.</p> <p>DO NOT empty equipment in the above situations.</p> <p>PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT</p> <p>DO NOT contaminate wetlands or watercourses with this product or used containers.</p> <p>DO NOT apply within 25 m of a recognised waterway, or further if native riverbank vegetation may be damaged.</p>
--------------	---

Storage and Disposal:	<p>STORAGE AND DISPOSAL</p> <p>Store in the closed original container in a dry, cool, well-ventilated area out of direct sunlight. DO NOT re-use container for any purpose. During storage keep from contact with fertilisers, other pesticides and seeds.</p> <p>Woven polypropylene bag: Shake empty bag into granule hopper. Do not dispose of undiluted chemicals on site. Puncture or shred and bury empty containers in a local authority landfill. If no landfill is available, bury the containers below 500mm in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots. Empty containers and product should not be burnt.</p> <p>500 kg and 1000kg: Bulk container plastic liners should be disposed of as per the following: Shake empty bag into granule hopper. Do not dispose of undiluted chemicals on site. Puncture or shred and bury empty containers in a local authority landfill. If no landfill is available, bury the containers below 500mm in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots. Empty containers and product should not be burnt.</p>
-----------------------	---

The Pelicon* pallet should be returned to Macspred Pty Ltd as per the arrangements at time of purchase.

HDPE

Triple-rinse containers before disposal. Dispose of rinsate or any undiluted chemical according to state/territory legislative requirements. If recycling, replace cap and return clean containers to recycler or designated collection point. If not recycling, break, crush or 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.

SMALL SPILL MANAGEMENT

Sweep up material and contain in a refuse vessel for disposal in the same manner as for the packaging.

Safety Directions:

SAFETY DIRECTIONS

Harmful if inhaled. Will irritate the eyes. Avoid contact with eyes and skin. Do not inhale dust. When opening the container pouring large quantities and using the product wear face shield or goggles, disposable dust face mask covering mouth and nose and elbow length PVC gloves. Wash hands after use. After each day's use, wash gloves and face shield or goggles.

First Aid Instructions:

FIRST AID

If poisoning occurs, contact a doctor or Poisons Information Centre. Phone Australia 131126.

If in eyes, hold eyes open, flood with water for at least 15 minutes and see a doctor.

First Aid Warnings:

-

DIRECTIONS FOR USE

METHOD OF APPLICATION – GROUND AND AIR Pre-planting Site Preparations

Crop/Situation	Weeds Controlled	State	Rate/ha	Critical Comments
<i>Pinus radiata</i> Pre-planting Site Preparations	ANNUALS: Flatweeds, ryegrasses, clovers	ALL STATES	12kg	Best results will be obtained if the product is applied to bare ground. Reduced weed control will be obtained if the product is applied to weeds greater than 10cm in height or diameter.
A. Pasture sites	HARD-TO-KILL PERENNIALS: Wallaby grass, Serrated tussock, Sorrel, Dandelion, Fleabanes, Wattle (suppression), Blackberry nightshade, Fat hen. Kangaroo grass (suppression only)	QLD, NSW, ACT, VIC & TAS only	18 to 25kg	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.
B. Native Woodland, heath & second rotation sites - long term control	WOODY & HARD-TO-KILL WEEDS: 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>), Serrated tussock, Common cassinia (Dogwood Vic. only) (<i>Cassinia aculeata</i>)		25kg	Machine planting is not recommended, as soil disturbance will reduce the residual activity.

METHOD OF APPLICATION – GROUND AND AIR Post Plant Tree Release

Crop/Situation	Weeds Controlled	State	Rate/ha	Critical Comments
<i>Pinus radiata</i> Post-Planting TREE RELEASE APPLICATION a) Pasture sites	ANNUAL AND PERENNIAL WEEDS Flatweeds, ryegrasses, clovers, Wallaby grass, Serrated tussock, Sorrel, Dandelion, , Fleabanes, Wattle (suppression), Blackberry nightshade , Fat hen . Kangaroo grass (suppression only)	QLD, NSW, ACT, VIC & TAS only	18 to 25kg	Best results will be obtained if the product is applied to bare ground. Reduced weed control will be obtained if the product is applied to weeds greater than 10cm in height or diameter. Apply during July to October. Allow 4 weeks after transplanting before treatment. Avoid use on <i>Pinus</i> spp. Suffering from stress (such as drought or water logging) especially if applying in October. Avoid use on shale soils and exposed subsoils.
b) Native Woodland, heath and second rotation sites – long term control	WOODY & HARD TO KILL WEEDS 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>), Serrated tussock, Common cassinia (Dogwood Vic. only) (<i>Cassinia aculeata</i>)		25 kg	
c) Loamy sands and sandy soil	Sorrel, Yorkshire Fog Grass, Annual Ryegrass, Fleabanes, Wattle (suppression), Blackberry nightshade, Fat hen.	SA & WA only	17kg	Best results will be obtained if the product is applied to bare ground. Reduced weed control will be obtained if the product is applied to weeds greater than 10cm in height or diameter. Apply April to September. Allow 4 weeks after transplanting before treatment. Avoid use on <i>Pinus</i> spp. Suffering from stress (such as drought or water logging).

METHOD OF APPLICATION - WEED-A-METRE

Crop/Situation	Weeds Controlled	State	Rate/ tree	Critical Comments
<i>Pinus radiata</i> Post-planting TREE RELEASE APPLICATION a) Pasture Sites. b) Native Woodland, heath & second rotation sites	ANNUALS: Brome grass, Capeweed, Chickweed, Clovers, Flatweeds, Ryegrasses HARD-TO-KILL PERENNIALS: Dandelion, Docks, Paspalum, Ribwort (Plantain), Serrated tussock, Snowgrass, Sorrel, Wallaby grass, Yorkshire fog, Kangaroo grass (suppression only) Fleabanes, Wattle (suppression, Blackberry nightshade, Fat hen.	QLD, NSW, ACT, VIC, TAS & SA only WA only	1.7g or 2.5g 1.7g	Best results will be obtained if the product is applied to bare ground. Reduced weed control will be obtained if the product is applied to weeds greater than 10cm in height or diameter. Use the higher rate for longer term weed control when weed pressure is heavy. Use the Red trigger to apply 1.7g/m ² and the Blue trigger to apply 2.5g/m ² . Allow 4 weeks after transplanting before treatment. Avoid use on <i>Pinus</i> spp. Suffering from stress (such as drought or water logging)

Crop/Situation	Weeds Controlled	States	Rate kg/ha
Commercial and Industrial areas; rights of way; around agricultural buildings	ANNUALS Giant pigweed, Cobbler's pegs, Summer grass, Green Amaranth, Canadian fleabane, Purpletop, Veined Verbena, Medics, Ryegrass, Wild oats, Australian blue bell, Mexican poppy, Clovers WOODY WEEDS Brown stringybark, Narrow leaf peppermint, Messmate, Common Cassinia (Dogwood Vic. only), Silver wattle	ALL STATES	25
	PERENNIALS Rhodes grass, Tarvine, Paspalum, Couch grass, Nut grass, Bushy starwort, Blady grass, Ribwort (plantain), Red Natal grass, Docks, Kangaroo grass, Bracken fern, Fleabanes, Wattle (suppression), Blackberry nightshade, Fat hen.		50

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