

# CAUTION

**KEEP OUT OF REACH OF CHILDREN**

**READ SAFETY DIRECTIONS BEFORE OPENING OR USING**

## MACSPRED

EUCMIX<sup>®</sup> PRE PLANT  
WATER DISPERSIBLE HERBICIDE

ACTIVE CONSTITUENTS: 880 g/kg TERBACIL  
40 g/kg SULFOMETURON METHYL

GROUP	B C	HERBICIDE
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For the control of certain annual and perennial weeds pre-plant in *E. globulus* and *E. nitens* plantations.

**NET 5 x 1kg**

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MACSPRED EUCMIX PREPLANT WATER DISPERSIBLE HERBICIDE MAY KILL MANY TREES AND OTHER DESIRABLE PLANTS IF NOT CORRECTLY APPLIED. INSTRUCTIONS GIVEN IN PROTECTION OF LIVESTOCK, WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT AND OTHER STATEMENTS ON THIS LABEL MUST BE FOLLOWED.

## **GENERAL INSTRUCTIONS**

- \*Macspredeucmix Preplant Herbicide is a soil residual herbicide with some knockdown action. It controls susceptible weeds through both post-emergence and pre-emergence (residual) action.
- \* Macspredeucmix Preplant is a herbicide designed to control weeds prior to the transplanting of healthy Eucalypt seedlings which are a minimum of 20 cm high. Do not transplant smaller seedlings or seedlings which are stressed.
- \*This product is not suitable for use where Eucalypt seed is to be directly sown into the treated area.
- \* Best results are obtained if this product is applied to bare ground or to weeds no larger than the 4 leaf stage. When weeds are more advanced than the 4 leaf stage apply this product with Glyphosate 360 herbicide at its recommended label rate.
- \* This product is a water dispersible formulation that mixes readily in water. It is an effective foliar contact and soil residual herbicide.
- \* For best residual control, apply during periods of active plant growth. Application when vegetation is dormant, semi-dormant or under moisture stress 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. Apply only 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 rainfall, soil types and other conditions.
- \* DO NOT apply Eucmix Preplant Water Dispersible Herbicide during periods of intense rainfall or under conditions which will cause drift or movement to non-target areas.
- \* DO NOT broadcast apply to uncultivated or non-mounded or bare ground on slopes exceeding 30%.
- \* DO NOT apply as a post plant treatment as severe tree damage may result.

## **Loading, Application and Equipment**

Macspredeucmix Preplant Water Dispersible Herbicide is a wettable formulation. The product is mixed with water and applied at the recommended rates by ground or aerial application (see directions for use table).

The product is contained in water soluble bags. It is important that these bags are NOT handled with wet hands or exposed to damp conditions.

Partially fill the spray tank with water and add the appropriate number of water soluble bags (these are in pre-measured 1 hectare doses). With the agitation system engaged, top up to the correct volume with water.

The material should be kept in suspension at all times by continuous agitation.

To prevent nozzle blockage, strainer and screens should be 50 mesh or coarser.

DO NOT mix, load or apply this product within 20m of any well, sink hole, intermittent or perennial or stream or river.

DO NOT use human flaggers in aerial spraying unless protected by engineering controls such as enclosed cabs.

### ***E. globulus and E. nitens***

Ground Application – Apply in 100 to 400L water per hectare with a properly calibrated boom.

Aerial Application – Apply in a minimum of 50L water per hectare.

DO NOT add a surfactant/ wetting agent or crop injury may occur.

### **Compatibility**

Eucmix Preplant is compatible with Glyphosate 360 Herbicide.

### **Sprayer Cleanup**

Eucmix Preplant residues in the spray tank can damage sensitive plants. It is recommended that a sprayer be dedicated to the use of Eucmix Preplant. Where equipment is also used for crop spraying, it is particularly important that all traces of Eucmix Preplant be removed from mixing and spraying equipment immediately after spraying. The recommended sprayer cleanup is as follows:-

1. Drain tank, then flush tank, boom, filters and hoses with clean water for a minimum of 10 minutes.
2. Fill the tank with clean water and add 300 ml chlorine bleach (containing 4% chlorine) per 100 L water. Flush through boom, filters and hoses, then allow to sit for 15 minutes with agitation engaged then drain.
3. Repeat Step 2.
4. Nozzles and screens should be removed and cleaned separately. To remove traces of chlorine bleach, rinse the tank thoroughly with clean water and flush through boom, filters and hoses.

**CAUTION:** DO NOT use chlorine bleach with ammonia.

## **Crop Safety**

To avoid death or injury to *E. globulus* and *E. nitens* trees DO NOT apply the product in the following situations:

- On trees which show poor vigour due to disease, or environmental factors such as drought, frost, moisture stress or waterlogging;
- On poorly drained soils;
- On gravelly or rocky soils, and exposed subsoils.

## **RESISTANT WEEDS WARNING**

This product is a member of the uracils and sulfonylurea group of herbicides. This product has the inhibitors of acetolactate synthase and inhibitors of Photosynthesis at Photosystem II mode of action. For weed resistance management this product is a Group B C herbicide.

Some naturally occurring weed biotypes resistant to this product and other inhibitors of acetolactate synthase and inhibitors of Photosynthesis at Photosystem II 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 this product or other inhibitors of acetolactate synthase or inhibitors of Photosynthesis at Photosystem II.

Since the occurrence of resistant weeds is difficult to detect prior to use, Macspred Pty Ltd accepts no responsibility for any losses that may result from the failure of this product to control resistant weeds.

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

- \* **DO NOT** plant Eucalypt seedlings for at least 4 weeks after application of this product.
- \* **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 twice their height or more depending on the species and other conditions.
- \***DO NOT** apply the product where a surface flow of water could wash the chemical into areas where the roots of desirable trees or plants may extend.
- \* **DO NOT** apply under meteorological conditions or from equipment which could be expected to cause drift of this product or spray mix into adjacent areas, particularly wetlands, waterbodies or water courses.

## **PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT**

- \* DO NOT use in irrigation channels or in drains.
- \* DO NOT empty equipment in the above situations.
- \* DO NOT apply within 60m of a recognised waterway or dam, or further if native riverbank vegetation may be damaged (see above for Protection of Native Plants)
- \* DO NOT load or apply within 20m of any well, sink hole, intermittent or perennial stream or river.

- \* DO NOT use on leached, sandy soils, low in organic matter.
- \* Dangerous to aquatic life. DO NOT contaminate streams, rivers or waterways with the chemical or used containers.
- \* DO NOT apply to water-logged or saturated soil.

## **PROTECTION OF LIVESTOCK**

- Keep stock away from treated areas.

## **STORAGE AND DISPOSAL AND PROTECTION OF OTHERS**

- \* During storage keep from contact with fertilisers, other pesticides and seeds.
- \* DO NOT re-use container.
- \* Store in the closed original container in a well ventilated area, as cool as possible but out of direct sunlight.
- \* Place entire water soluble bag into the spray tank. Do not dispose of undiluted chemicals on site. Product should not be burnt. Outer cardboard carton may be recycled.

## **SAFETY DIRECTIONS**

Will irritate eyes and skin. Avoid contact with eyes and skin. When opening the container, preparing the spray and using the prepared spray wear cotton overalls buttoned to the neck and wrist (or equivalent clothing), and a washable hat and elbow length PVC gloves and face shield or goggles. Do not inhale dust or spray mist. If product 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 gloves, face shield or goggles and contaminated clothing. Users of hand-directed sprayers require in addition chemical-resistant boots.

## **FIRST AID**

If poisoning occurs, contact a doctor or Poisons Information Centre (TEL 131126). Additional information is listed in the Material Safety Data Sheet (MSDS) which can be obtained from the supplier.

## **NOTICE TO BUYER**

To the extent permitted by law, all conditions and warranties and statutory or other rights or action which buyer or any other user may have against Macspred or Seller are hereby excluded. Macspred 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 Macspred 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. Macspred's liability shall, in all circumstances, be limited to replacement of the product or a refund of the purchase price paid therefor.

Pat. Applied For

4 October 1999

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Eucmix preplant label



**DIRECTIONS FOR USE**

Restrains - DO NOT use on leached sandy soils, low in organic matter.

**METHOD OF APPLICATION - GROUND AND AIR (FIXED WING AND HELICOPTER)**

CROP AND SITUATION	WEEDS CONTROLLED	STATES	RATE kg/ha	CRITICAL COMMENTS
<p><i>Eucalyptus globulus</i>, <i>E. nitens</i>, plantations</p> <p><u>Pre Planting</u></p> <p>Application</p> <p>(a) Pasture Sites</p> <p>(b) Native Woodland, Heath and Second Rotation Sites</p> <p>- Long term control</p>	<p>ANNUALS</p> <p>Capeweed (<i>Arctotheca calendula</i>),</p> <p>Annual Ryegrass (<i>Lolium rigidum</i>),</p> <p>White Clover (<i>Trifolium repens</i>)</p> <p>Geranium (<i>Geranium sp.</i>)</p> <p>Milk Thistle (<i>Sow</i>) (<i>Sonchus oleraceus L.</i>)</p> <p>HARD TO KILL PERENNIALS</p> <p>Fog grass (<i>Holcus lanatus</i>)</p>	<p>ALL STATES &amp; NT</p>	<p>1.0 kg</p> <p>(1 water soluble bag)</p>	<p>For weeds advanced beyond the 4-leaf stage or when more rapid knockdown is required, tank mix with Glyphosate Herbicide 360 in accordance with its label recommendations.</p>

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

**WITHHOLDING PERIOD – DO NOT CUT OR GRAZE FOR STOCK FOOD AFTER APPLICATION**

**CAUTION**

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EUCMIX<sup>®</sup> PRE PLANT  
WATER DISPERSIBLE HERBICIDE<sup>™</sup>**

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40 g/kg SULFOMETURON METHYL**

**NET: 1 KG**

**NOT TO BE SOLD SEPARATELY**

**BEFORE USE READ ALL DIRECTIONS ON THE OUTER PACK**

WATER SOLUBLE PACKAGING. KEEP DRY

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NRA APPROVAL NO:

***Acknowledgments:***

Collated by HerbiGuide. Phone 08 98444064 for more information.