

Product Name: MACSPRED TRIMAC INDUSTRIAL HERBICIDE
APVMA Approval No: 54812/129643



Label Name:	MACSPRED TRIMAC INDUSTRIAL HERBICIDE
Signal Headings:	CAUTION KEEP OUT OF REACH OF CHILDREN READ SAFETY DIRECTIONS BEFORE OPENING OR USING
Constituent Statements:	880 g/kg TERBACIL 40 g/kg SULFOMETURON-METHYL
Mode of Action:	GROUP B C HERBICIDE
Statement of Claims:	For the control of certain annual and perennial weeds in commercial and industrial areas, around agricultural buildings, fence lines, rights of way as per the directions for use table. Also for the control of certain annual and perennial weeds pre-plant in E. globulus and E. nitens plantations.
Net Contents:	1 kg (10 x 100 g) 5 kg (5 x 1 kg) 500 g - 5 kg
Restrains:	DO NOT use on leached sandy soils, low in organic matter. DO NOT use when intense rainfall is likely or on soils saturated with water as off target movement may occur. DO NOT store the mixed product overnight as settling out may occur.
Directions for Use:	This section contains file attachment.
Other Limitations:	

Withholding Periods:	DO NOT CUT OR GRAZE FOR STOCK FOOD ANY TREATED VEGETATION
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Trade Advice:	
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General Instructions:	<p>GENERAL INSTRUCTIONS</p> <p>Handgun</p> <ul style="list-style-type: none"> • Apply this product with a water volume of approximately 1000 litres per hectare for handgun applications. • Macspred Trimac Industrial Herbicide is a soil residual with some knockdown. It controls susceptible weeds through both post-emergence and pre-emergence (residual action). • Best results are obtained if this product is applied to bare ground or to small weeds (up to 10 cm in height or diameter. The product should be applied to actively growing weeds which are not stressed by factors such as moisture (drought or waterlogging), frost etc. • For dense weed infestations and where weeds are greater than 10 cm in height and diameter, add Glymac Dri 700 or other glyphosate formulations registered for the purpose (in accordance with label recommendations), • This product is a water dispersible formulation that mixes readily in water. • Sufficient moisture is required after treatment to enable root absorption by the weed species. • The degree of control and duration of effect will vary with the soil texture, organic matter content, soil pH and rainfall. • As soil pH increases the rate of herbicide breakdown decreases so that on soils with a high pH the efficacy on weeds may be higher (over time) than on soils with a lower pH. • As soil organic matter increases the rate of herbicide breakdown increases so that longest residual control is obtained in soils with low organic matter. • Do not apply during periods of intense rainfall or under conditions which will cause drift or movement to non-target areas. <p>Boom Spray (Commercial and Industrial Areas)</p> <ul style="list-style-type: none"> • When using Macspred Trimac Industrial Herbicide for application by ground spraying equipment only. Use a boom spray (or off-centre nozzle if necessary) properly calibrated to a constant speed and rate of delivery to ensure thorough coverage and a uniform spray pattern and rate of application over the area to be treated. • Apply a minimum of 100 L prepared spray/ha. • When using a flat fan nozzles select a nozzle designed to reduce drift and provide larger sized droplets and 1100 fan angle. • When spraying using offset nozzles select nozzles that produce larger sized droplets at the lowest pressure and the correct width. • Use no finer than 100 mesh filters. • Clean spray equipment immediately after use. <p>Application to Eucalypts</p> <ul style="list-style-type: none"> • Macspred Trimac Industrial Herbicide 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. • DO NOT plant Eucalypt seedlings for at least 4 weeks after application of this product. In soils which have pH > 6 and/ or low organic matter where herbicide breakdown will be slow, crop damage may occur if seedlings are planted less than 4 weeks after herbicide application. • For best 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.
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- 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 (as above).
- DO NOT apply Macspred Trimac Industrial Herbicide during periods of intense rainfall or under conditions which will cause drift or movement to non-target areas.
- DO NOT apply as a post plant treatment as severe tree damage may result.

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.

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.

CLIMATIC CONDITIONS GUIDELINES

- Spray when the wind is steady 3 to 12 km/h.
- Spray when the wind direction is away from sensitive areas.
- Spray when the Delta T is between 2 and 8 and no greater than 10.
- Avoid spraying:
 - in gusty or blustery wind conditions
 - when inversion conditions exist
 - in an unstable atmosphere
 - in calm conditions
- Record and check weather conditions at regular intervals

Loading, Application and Equipment

Macspred Trimac™ Industrial Herbicide is a wettable formulation. The product is mixed with water and applied at the recommended rates by handgun application or boom (see directions for use tables).

The product should be mixed with a minimum of 100L water using the following method:

1. Partially fill the spray tank with water
2. Add the appropriate amount of product to the spray tank.
3. 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 100 mesh or coarser.

Sprayer Cleanup

Residues in the spray tank can damage sensitive plants. It is recommended that a sprayer be dedicated to the use of herbicides which are used to control weeds in industrial situations. 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.

RECOMENDED MIXING ORDER.

1. DF, WG Dry Glyphosate and Macspred Clomac. (Dry products)
2. Allow some mixing time.
3. Add Trimac.
4. Add antifoaming agent if required.
5. Top up with water.
6. Add other liquids.
7. Add surfactants last.

COMPATIBILITY

Compatibility and spray tests have be conducted on the following products. Trimac product may be mixed with the following products only:

Companion Products

- Glyphosate formulations. (Macspred Glymac 450 Glyphosate, Glyphosate 450 and 360 Formulations, Macspred Glymac Dri 700 Glyphosate, Macpherson's Bi Dri 700 Glyphosate, Macspred Bi Dri 800 (Glyphosate only)
- Metsulfuron Methyl (Brush Off and Macspred Metmac)
- Clopyralid (Macspred Clomac)
- Surfactants and additives Macspred Bestwet, SST Brushwet, Miller NuFilm P, Exit, Miller Foam Fighter Anti Foam -K, Miller Mist Controller and Uptake Oil only

Non Companion Products

- 540 Glyphosate formulations, Roundup Powermax

For an updated list of compatible products with Trimac. Contact your nearest Macspred Australia representative or conduct a small jar test for compatibility.

Resistance Warning:

RESISTANT WEEDS WARNING
GROUP B C HERBICIDE

This product is a member of the uracil 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 Group BC 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 Group BC herbicides. 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.

Precautions:

Protections:

PROTECTION OF CROPS, NATIVE AND OTHER NON-TARGET PLANTS

Macspred Trimac Industrial Herbicide can affect desirable plants if not correctly applied. Follow the instructions given.
This product can be safely used within the root zone of established Eucalyptus spp. & Corymbia spp See tree tolerance.

- When applying to fence lines, it should be noted that some desirable species may be damaged or controlled where their root systems extend into the area treated. It is advisable to notify and consult with neighbours before treating boundary fences. Only apply Trimac to fence lines where some damage to adjacent pasture species is acceptable.
- When applying this product to yards and gravel areas leave a 1m buffer on the boundaries to avoid damage.

- Use the lower rate when applying this with a boom spray or as a spot or strip treatment to hard/compacted surfaces and to roadsides where run-off is likely to occur into sensitive areas.
- As soil organic matter increases, the rate of herbicide breakdown increases. Thus, the longest residual control is obtained in soils with low organic matter.
- Use lower rates in soils with low organic matter.
- Band spray or strip spray in soils low in organic matter.
- Apply a 5m buffer to areas where a surface flow of water could wash the chemical into drains.
- As Trimac™ needs moist soils for incorporation, best results are achieved by applying to moist soil. Avoid water logged or soils near to saturation.
- Avoid application in extreme / extended dry periods prior to intense rainfall adjacent to sensitive areas as surface run off may occur.
- DO NOT apply the product or drain or flush equipment 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 spray foliage or use on eroded areas, where sub-soil or tree roots are exposed, as injury to trees may result.
- 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, water bodies or water courses.
- DO NOT apply under weather conditions, or from spraying equipment, that may cause spray to drift onto nearby susceptible plants/crops, cropping lands or pastures. See Tree tolerance.
- DO NOT apply in intense rainfall.
- DO NOT broad acre apply to bare ground on slopes exceeding 30% (~15°).

TREE TOLERANCE

- Field trials and use experience have indicated that the major forestry tree species are tolerant to Macspred Trimac when applied at label rates. For further tree tolerance information, contact your Macspred representative or conduct a small-scale tolerance test.
- In some instances when Trimac is applied near small trees, stunting may occur. This is usually short lived and a full recovery is expected in the next growing season.
- This stunting can be attributed to a prolonged dry period, pH, organic matter and rate selection.
- Therefore rate selection should suit soil and other conditions.
- Avoid overspray all tree species as damage to growth tip dominance/damage may occur.

PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT

- If required Establish spray buffers zones. Review State regulation and statutory requirements. Eg. General Buffers 20 m- Permanent Streams 10 m, Temporary Stream and Drainage Line 10 m.
- DO NOT use in irrigation channels or in drains including roadside ditches and table drains or in areas where water is likely to flow.
- DO NOT empty equipment in the above situations.
- 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. As some noxious weeds may become palatable.

Storage and Disposal:

STORAGE AND DISPOSAL

During storage keep from contact with fertilisers, other pesticides and seeds. Store in the closed, original container in a dry, cool, well-ventilated area out of direct sunlight.

Water soluble bags: Do not dispose of undiluted chemicals on site. Outer cardboard carton may be recycled.

Measure packs: Shake and empty contents into spray tank. Do not dispose of undiluted chemicals on site. Puncture and deliver empty packaging to an approved waste management facility. Outer cardboard carton may be recycled.

HDPE Containers: Triple-rinse containers before disposal. Add rinsings to spray tank. Do not dispose of undiluted chemicals on site. 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.

Measure packs and HDPE containers: 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.

Safety Directions:

Avoid contact with eyes and skin. Do not inhale dust. When preparing spray, wear face shield or goggles. Wash hands after use.

First Aid Instructions:

If poisoning occurs, contact a doctor or Poisons Information Centre (Phone Australia: 131126; New Zealand: 0800 764 766).

First Aid Warnings:

DIRECTIONS FOR USE

FOR ALL STATES

HANDGUN APPLICATION

CROP AND SITUATION	WEEDS CONTROLLED	RATE Per 100L water	CRITICAL COMMENTS
Commercial and Industrial areas including around building lines, rights of way, roadsides, guideposts, powerlines and substations, aerodromes, public utilities and fencelines.	<p>ANNUALS Capeweed (<i>Arctotheca calendula</i>), Annual Ryegrass (<i>Lolium rigidum</i>), White Clover (<i>Trifolium repens</i>) Geranium (<i>Geranium sp.</i>) Milk Thistle (Sow) (<i>Sonchus oleraceus L.</i>)</p> <p>HARD TO KILL PERENNIALS Fog grass (<i>Holcus lanatus</i>)</p>	100 g	<p>Apply to weeds less than 10cm in height or diameter.</p> <p>Use with Glyphosate (in accordance with its label recommendations), for dense weed infestations and where weeds are greater than 10 cm in height and diameter. Apply this product with a water volume of approximately 1000 litres per hectare.</p>

BOOM SPRAY APPLICATION (Commercial and Industrial Areas)

CROP AND SITUATION	WEEDS CONTROLLED	RATE Per ha	CRITICAL COMMENTS
Commercial and Industrial areas, including around building lines, rights of way, roadsides, guideposts, powerlines and substations, aerodromes, public utilities, fence lines	<p>ANNUALS Capeweed (<i>Arctotheca calendula</i>), Annual Ryegrass (<i>Lolium rigidum</i>), White Clover (<i>Trifolium repens</i>) Geranium (<i>Geranium sp.</i>) Milk Thistle (Sow) (<i>Sonchus oleraceus L.</i>)</p> <p>HARD TO KILL PERENNIALS Fog grass (<i>Holcus lanatus</i>)</p>	500 g or 1kg/ha	<p>Apply to weeds less than 10cm in height or diameter.</p> <p>Use with Glyphosate (in accordance with its label recommendations), for dense weed infestations and where weeds are greater than 10 cm in height and diameter. Apply this product with a water volume of 100 litres per hectare. Use the higher rate for dense weed infestation. Use the lower rate when retreat areas with minimal regrowth. Buffer areas from 1 to 5m where Chemical creep is not acceptable.</p>

Eucalypt Plantations

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 (a) Pasture Sites (b) Native Woodland, Heath and Second Rotation Sites - Long term control</p>	<p>ANNUALS Capeweed (<i>Arctotheca calendula</i>), Annual Ryegrass (<i>Lolium rigidum</i>), White Clover (<i>Trifolium repens</i>) Geranium (<i>Geranium sp.</i>) Milk Thistle (Sow) (<i>Sonchus oleraceus L.</i>)</p> <p>HARD TO KILL PERENNIALS Fog grass (<i>Holcus lanatus</i>)</p>	<p>NSW, ACT, Vic, Tas, SA, WA only</p>	<p>1kg</p>	<p>For weeds advanced beyond the 4-leaf stage or when more rapid knockdown is required, tank mix with Glyphosate 360 Herbicide 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.