

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.

Triple-rinse containers before disposal. Add rinsings to spray tank. **DO NOT** dispose of undiluted chemical 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 for appropriate disposal to an approved waste management facility. If an approved waste management facility is not available, bury the empty packaging 500mm 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.

For drumMUSTER containers:

This container can be recycled if it is clean, dry, free of visible residues and has the drumMUSTER logo visible. Triple rinse container for disposal. Dispose of rinsate or any undiluted chemical according to state legislative requirements. Wash outside of the container and the cap. Store cleaned container in a sheltered place with cap removed. It will then be acceptable for recycling at any drumMUSTER collection or similar container management program site. The cap should not be replaced, but may be taken separately.

Small Spill Management

Wear protective equipment (see SAFETY DIRECTIONS). Apply absorbent material such as earth, sand, clay granules or cat litter to the spill. Sweep up material for disposal when absorption is completed and contain in a refuse vessel for disposal (see STORAGE AND DISPOSAL section). If necessary, wash the spill area with an alkali detergent and water and absorb the wash liquid for disposal as described above.

SAFETY DIRECTIONS

Harmful if inhaled. Will damage the eyes. Will irritate the skin. May irritate the nose and throat. Repeated exposure may cause allergic disorders. Avoid contact with eyes and skin. **DO NOT** inhale spray mist. If product on skin, immediately wash area with soap and water. If product in eyes, wash it out immediately with water. When opening the container and preparing spray, wear cotton overalls buttoned to the neck and wrists (or equivalent clothing) and a washable hat, elbow-length chemical resistant gloves and faceshield. Wash hands after use. After each day's use wash gloves, face shield and contaminated clothing.

FIRST AID

If poisoning occurs, contact a doctor or Poisons Information Centre (*Phone Australia 13 11 26; New Zealand 0800 764 766*). If swallowed, do **NOT** induce vomiting.

Refer to attached Leaflet for additional GHS Hazard & Precautionary Statements.

SAFETY DATA SHEET

Additional information is listed in the Safety Data Sheet, which can be obtained from your supplier or from our website at www.imtrade.com.au

CONDITIONS OF SALE

Imtrade CropScience shall not be liable for any loss, injury, damage or death whether consequential or otherwise whatsoever or howsoever arising whether through negligence or otherwise in connection with the sale supply use or application of this product. The supply of this product is on the express condition that the purchaser does not rely on Imtrade's skill or judgment in purchasing or using the same and every person dealing with this product does so at his own risk absolutely. No representative of Imtrade CropScience has any authority to add to or alter these conditions.

CAUTION

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

IMTRADE

MARINA OD

HERBICIDE

ACTIVE CONSTITUENTS: 30g/L MESOSULFURON-METHYL
90g/L MEFENPYR-DIETHYL
SOLVENT: 200g/L AROMATIC HYRDOCARBON

GROUP 2 HERBICIDE

For the post-emergent control of Wild Oats and Annual Phalaris,
and Suppression of Brome Grass, Barley Grass and Annual Ryegrass in Wheat
as specified in the Directions for Use table

IMPORTANT: Read the attached Leaflet before useFORM
ODCONTENTS
5L

Batch No.
DOM:

| | |
|--------------------|--|
| UN 3082 | ENVIRONMENTALLY HAZARDOUS SUBSTANCES, LIQUID, N.O.S. (contains MESOSULFURON-METHYL, MEFENPYR-DIETHYL) |
| | In a Transport Emergency Dial 000 Police or Fire Brigade |
| PG III | HAZCHEM *3Z |

APVMA Approval No. 93592/139796



17 Ocean St, Kwinana Beach WA 6167
08 9419 0333 | www.imtrade.com.au

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IMTRADE MARINA OD HERBICIDE

**ACTIVE CONSTITUENTS: 30g/L MESOSULFURON-METHYL
90g/L MEFENPYR-DIETHYL
SOLVENT: 200g/L AROMATIC HYDROCARBON**

GROUP 2 HERBICIDE

For the post-emergent control of Wild Oats and Annual Phalaris,
and Suppression of Brome Grass, Barley Grass and Annual Ryegrass in Wheat
as specified in the Directions for Use table.

**IMPORTANT: READ THIS LEAFLET THOROUGHLY
BEFORE OPENING OR USING THIS PRODUCT**

APVMA Approval No: 93592/139796

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RESTRAINTS

DO NOT use if rainfall or irrigation is to occur within 8 hours of application.

DO NOT apply to crops undersown with Legumes.

DO NOT apply to Wheat before the 3-leaf stage (Z13).

DO NOT apply without surfactant/wetting agent, as detailed under 'Use of Surfactant/Wetting Agent' in the General Instructions.

DO NOT apply to paddocks where there is a high risk of weeds resistant to Group B Herbicides.

DO NOT apply to the Wheat variety Brookton.

SPRAY DRIFT RESTRAINTS

Specific definitions for terms used in this section of the label can be found at www.apvma.gov.au/spraydrift

- **DO NOT** allow **bystanders** to come into contact with the spray cloud.
- **DO NOT** apply in a manner that may cause an unacceptable impact to **native vegetation, agricultural crops, landscaped gardens** and **aquaculture production**, or cause contamination of plant or livestock commodities, outside the application site from **spray drift**. The **buffer zones** in the relevant buffer zone tables below provide guidance but may not be sufficient in all situations. Wherever possible, correctly use application equipment designed to reduce spray drift and apply when the wind direction is away from these sensitive areas.
- **DO NOT** apply unless **wind speed** is between 3 and 20 kilometres per hour at the **application site** during the time of application
- **DO NOT** apply if there are **hazardous surface temperature inversion** conditions present at the **application site** during the time of application. **Surface temperature inversion conditions** exist most evenings one to two hours before sunset and persist until one to two hours after sunrise.

BOOM SPRAYERS

- **DO NOT** apply by a boom sprayer unless the following requirements are met:
 - Spray droplets are not smaller than a **MEDIUM spray droplet size category**.
 - Minimum distances between the **application site** and downwind sensitive areas (see 'Mandatory buffer zones' section of the following table titled '**Mandatory Buffer Zones**') are observed.

| Application Rate | Mandatory downwind buffer zones | |
|--------------------------|---------------------------------|------------------|
| | Natural Aquatic areas | Vegetation areas |
| Up to maximum label rate | 3 metres | |

DIRECTIONS FOR USE:

Note: This product is a sulfonylurea herbicide. It will substantially reduce the growth of many weeds rather than give complete plant kill. Refer to the Critical Comments in the Directions for Use Table below, for directions on specific weeds

| Crop | Weed | Weed Stage | Rate/ha | Critical Comments |
|-------|--|---|---------|---|
| Wheat | Brome Grass (Great Brome, <i>Bromus diandrus</i>) | 1-leaf to 3-leaf, 1 tiller (Z11 to Z13, 21) | 330mL | Suppression of Brome Grass – Will substantially reduce the growth of Brome Grass and its ability to compete with the crop and will reduce seed set but may not give a significant reduction in plant numbers. Apply generally within 4 to 7 weeks after sowing. Apply when the majority of Brome Grass is at the 1-leaf to 3-leaf, 1 tiller stage (Z11 to Z13, 21). Efficacy on larger plants that may have emerged before the crop may be poor. DO NOT use for suppression of dense Brome Grass populations (>150 plants/m ²). Suppression of Brome Grass may be improved with the use of Hasten at 1% v/v. Refer to 'Use of Surfactant / Wetting Agent' under General Instructions. |
| | Annual Ryegrass (<i>Lolium rigidum</i>) | 1-leaf to 3-leaf, 1 tiller (Z11 to Z13, 21) | | Suppression of Annual Ryegrass – Will substantially reduce the growth of Annual Ryegrass and its ability to compete with the crop and will reduce seed set but may not give a significant reduction in plant numbers. Apply generally within 4 to 7 weeks after sowing. DO NOT use for control of dense Annual Ryegrass populations (>200 plants/m ²). |

| Crop | Weed | Weed Stage | Rate/ha | Critical Comments |
|----------------------|---|---|---------|--|
| Wheat (Continued) | Barley Grass (<i>Hordeium leporinum</i>) | 1 to 4-leaf, 2 tillers (Z11 to Z14, 22) | 330mL | <p>Suppression of Barley Grass – Will substantially reduce the growth of Barley Grass and its ability to compete with the crop and will reduce seed set but may not give a significant reduction in plant numbers. Apply generally within 4 to 7 weeks after sowing.</p> <p>Apply when the majority of Barley Grass is less than the early tillering stage (Z14, 22). Efficacy on larger plants may be poor.</p> <p>Suppression of Barley Grass may be improved with the use of Hasten at 1% v/v. Refer to 'Use of Surfactant / Wetting Agent' under General Instructions.</p> |
| | Wild Oats (<i>Avena</i> spp.) | 1-leaf to 3-leaf, 1 tiller (Z11 to Z13, 21) | | <p>Apply generally within 4 to 7 weeks after sowing. DO NOT use for control of dense Wild Oats population (>150 plants/m²).</p> <p>Application to Wild Oats at more advanced growth stages or to dense populations will result in suppression of Wild Oats only.</p> <p>Growth of Wild Oats and the ability to compete with the crop will be reduced but plant numbers may not be significantly reduced.</p> |
| | Annual Phalaris, Paradoxa Grass (<i>Phalaris paradoxa</i> only) | 1-leaf to 3-leaf, 1 tiller (Z11 to Z13, 21) | | <p>Apply generally within 4 to 7 weeks after sowing.</p> <p>DO NOT use for control of dense Phalaris populations (>300 plants/m²).</p> <p>Other Phalaris species may not be adequately controlled with this product.</p> |

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

WITHHOLDING PERIODS

HARVEST: DO NOT HARVEST FOR 8 WEEKS AFTER APPLICATION.

GRAZING/STOCKFOOD: DO NOT GRAZE OR CUT FOR STOCKFOOD FOR 4 WEEKS AFTER APPLICATION.

GENERAL INSTRUCTIONS

This product is a selective sulfonylurea herbicide. It is predominantly a foliar herbicide with less activity via the soil. This product will not reliably control weeds that emerge after spraying. Results are best under good growing conditions and application to weeds or crop under stress should be avoided.

Use of Surfactant / Wetting Agent

It is recommended that this product be applied with the addition of BS1000® bio-degradable surfactant at 0.25% v/v or either of the crop oil concentrates, Hasten® or Rocket®, at 1% v/v. When applying this product for suppression of Brome Grass or Barley Grass, only use Hasten® or Rocket®.

The suitability of other non-ionic wetting agents or crop oil concentrations should be confirmed with Imtrade CropScience prior to mixing with this product.

Note: Crop effects (discolouration and slowed development) may be increased with the use of Hasten® or Rocket® spray adjuvants, however under normal growing conditions this should not result in any yield loss.

Crop Safety

- **DO NOT** apply to any crop other than Wheat.
- **DO NOT** apply to the Wheat variety Brookton.
- Westonia Wheat may show reduced tolerance to this product in some situations, especially during a dry finish to the season. Ensure adequate crop nutrition and that crop is at least the 3-leaf (Z13) stage at application.
- Wheat should be a the 3-leaf stage (Z13 growth stage), or more advanced, before application of this product.
- **DO NOT** apply to Wheat that is physically damaged (e.g. by hail, wind, insect attack).
- Some crop yellowing and growth retardation may occur within 5 weeks of application. Growth retardation will be increased if the crop is affected by root disease (e.g. cereal cyst nematode, rhizoctonia, take-all (haydie)), nutritional stress, waterlogging, drought stress, excessively cold conditions or previous herbicide treatment.
- Application to very dry sandy soils followed by soaking rainfall may cause significant crop effects.
- Crop damage will be increased in highly alkaline soils (soil pH > 8.5 as determined by soil in water suspension).
- **DO NOT** apply to crops not actively growing due to cold and wet conditions or drought stress.
- **DO NOT** overlap when spraying or double spray corners.

Crop Rotation Recommendations

Minimum re-cropping intervals apply for all crops following this production application.

The application of a Group 2 Herbicide in the crop following this product use may result in increased crop effects. Consult the manufacturer of this product for advice in these situations.

Rainfall of less than 250mm following this product use will result in extended re-cropping intervals for winter crops sown the following season.

Patchy rain, with extended dry periods may also result in extended re-cropping intervals, even when rainfall exceeds 250mm. If in doubt, seek specialist advice.

Rainfall of less than 500mm following this product use may result in extended re-cropping intervals for summer crops sown in the following year.

Use on soils with a pH greater than 8.5 (soil in water) has not been extensively tested and is not recommended. For advice on crops not listed below, contact your local reseller or Imtrade CropScience representative.

| Crop | Minimum Re-cropping Interval | Notes/Comments |
|------------------------|------------------------------|--|
| Winter Crops | | |
| Wheat | 1 day | |
| Barley | 9 months | |
| Oats | 9 months | |
| Triticale | 9 months | |
| Faba Beans | 11 months | |
| Canola | 9 months | |
| Chickpeas | 9 months | |
| Lentils | 11 months | |
| Lucerne, Sub-clover | 21 months | In soils of pH > 8.0 (1:5 water suspension) and under low rainfall conditions some slight discolouration may occur, however establishment and growth through the season is generally not affected. |
| | 9 months | In soils of pH < 8.0 (1:5 water suspension) and under conditions where good seasonal rainfall has occurred between spraying and sowing (i.e. more than 250mm). |
| Lupins | 9 months | |
| Medic | 21 months | |
| Peas | 9 months | |
| Vetch | 9 months | |

| Crop | Minimum Re-cropping Interval | Notes/Comments |
|---------------------|------------------------------|----------------|
| Summer Crops | | |
| Cotton | 12 months | |
| Maize | 12 months | |
| Mungbeans | 12 months | |
| Sorghum | 12 months | |
| Soybeans | 12 months | |
| Sunflowers | 12 months | |

Application

Ensure that complete and even spray coverage of all weeds is achieved.

Mixing

Half fill the spray tank with water, then with agitators in motion, add the correct amount of this product directly into the spray tank. Add other relevant compatible herbicides, then wetting agent or crop oil as recommended. Complete filling the tank with agitators in motion. Agitation must continue before and during spraying.

Equipment

Ground Sprayers – Standard boom sprayers only are recommended and must be fitted with by-pass or mechanical agitation. It is recommended that 50 to 80L water/ha is applied with a MEDIUM droplet. The use of flat fan nozzles is recommended. Nozzles creating COARSE or VERY COARSE spray qualities have not been thoroughly investigated at this time and cannot be recommended. Contact your Imtrade CropScience representative for advice before applying this product through such nozzles.

Aircraft – **DO NOT** apply this product by aircraft.

Sprayer Clean-up

The sprayer must be decontaminated before being used to spray crops other than cereals. Ensure that the following operation is carried out in an area that is clear of waterways, desirable vegetation and tree roots, and preferably in an area where drainings can be contained.

1. Drain sprayer completely and wash out tank, boom and hoses with clean water.
2. Drain again.
3. Fill the tank with clean water and add 300mL of chlorine bleach (containing 4% chlorine) per 100L of water with agitation running.
4. Flush some bleach solution through booms and hoses and allow remainder to agitate in tank for 10 minutes.
5. Remove nozzles and filters and leave to soak in a bleach solution of 500mL per 10L of water while tank cleaning is in progress.
6. Drain tank and repeat the procedure of flushing with bleach solution.
7. Flush the tank, boom and hoses with clean water.

COMPATIBILITY

| Mix Partner | General Notes/Comments |
|----------------------------------|---|
| Zinc-based foliar fertilisers | Must not be mixed with this product as a loss of efficacy can occur. |
| Lontrel® | This product may be mixed with Lontrel®. Use BS1000® at 0.25% v/v or a crop oil concentrate (see surfactant/wetting agent recommendations) at 1% v/v as recommended for the weeds being controlled. |
| Chlorpyrifos-based formulations | Must not be mixed with this product as unacceptable crop effects may occur. |
| Dimethoate (maximum of 500mL/ha) | Use BS1000® at 0.25% v/v or a crop oil concentrate (see Surfactant / Wetting Agent recommendations) at 1% v/v as recommended for the weeds being controlled. |
| Tigrex® (maximum of 500mL/ha) | BS1000® at 0.25% v/v must be used when mixing Tigrex®. DO NOT apply with a crop oil as excessive crop damage may occur. If spraying Brome or Barley Grass, more reliable suppression will be obtained if this product is applied alone and a crop oil concentrate (see Surfactant / Wetting Agent recommendations) is used. |

COMPATIBILITY (continued)

| Mix Partner | General Notes/Comments |
|---|---|
| Jaguar® (maximum of 500mL/ha) | Grass weed control may be adversely affected and the level of chlorosis and slowed crop growth may be increased. BS1000® at 0.25%v/cv must be used when mixing Jaguar®. DO NOT apply with a crop oil as excessive crop damage may occur. If spraying Brome or Barley Grass, more reliable suppression will be obtained if this product is applied alone and a crop oil concentrate (see Surfactant / Wetting Agent recommendations) is used. |
| Buctril® MA (maximum of 1.0L/ha) | This product may be mixed with Buctril® MA Herbicide. Use BS1000® at 0.25% v/v or a crop oil concentrate (see Surfactant / Wetting Agent recommendations) at 1% v/v as recommended for the weeds being controlled. |
| L.V.E. MCPA (maximum of 500mL/ha) | This product may be mixed with L.V.E. MCPA Herbicide. Use BS1000® at 0.25% v/v or a crop oil concentrate (see Surfactant / Wetting Agent recommendations) at 1% v/v as recommended for the weeds being controlled. |
| Precept® (maximum of 1.0L/ha) | This product may be mixed with Precept® Herbicide. Use a crop oil concentrate as directed on the Precept® label. Rates of Precept® higher than 1.0L/ha have not been evaluated. Before mixing Precept® at rates higher than 1.0L/ha consult Imtrade CropScience. |
| Other insecticide products | For advice on mixing, consult Imtrade CropScience. |

Note:

- For advice on mixing with other products please contact Imtrade CropScience.
- **DO NOT** mix this product with more than one compatible product plus the appropriate adjuvant (BS1000® or a crop oil concentrate).

RESISTANT WEED WARNING

GROUP 2 HERBICIDE

MARINA OD is a member of the sulfonylurea group of herbicides and has the inhibitors of ALS mode of action. For weed resistance management MARINA OD is a Group 2 Herbicide. Some naturally occurring weed biotypes resistant to MARINA OD, and other Group 2 Herbicides, may exist through normal genetic variability in any weed population. These resistant individuals can eventually dominate the weed population if these herbicides are used repeatedly. These resistant weeds will not be controlled by MARINA OD or other Group 2 Herbicides.

DO NOT rely exclusively on MARINA OD for weed control. Use as part of an integrated weed management program involving herbicides with other modes of action and non-chemical methods of control. CropLife Australia resistance management strategies are available from your local agricultural chemical supplier. Refer to these strategies for details of how to manage the build-up of resistant weeds on your farm.

Since occurrence of resistant weeds is difficult to detect prior to use, Imtrade CropScience accepts no liability for any losses that may result from the failure of MARINA OD to control resistant weeds.

RE-ENTRY PERIOD

DO NOT allow entry into treated areas until the spray has dried. When prior entry is necessary and if exposure to the treated crop is likely, wear cotton overalls buttoned to the neck and wrist (or equivalent clothing) and chemical resistant gloves. Clothing must be laundered after each day's use.

PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT

Very toxic to aquatic plants and algae.

DO NOT contaminate streams, rivers or watercourses with the chemical or used container.

PROTECTION OF CROPS, NATIVE AND OTHER NON-TARGET PLANTS

DO NOT apply under weather conditions, or from spraying equipment, that may cause spray to drift onto nearby susceptible plants/crops, cropping lands, pastures, watercourses or wetlands.

Undersown Clovers and Medics

DO NOT apply to crops undersown with legumes.

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.

Triple-rinse containers before disposal. Add rinsings to spray tank. **DO NOT** dispose of undiluted chemical 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 for appropriate disposal to an approved waste management facility. If an approved waste management facility is not available, bury the empty packaging 500mm 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.

For *drumMUSTER* containers:

This container can be recycled if it is clean, dry, free of visible residues and has the *drumMUSTER* logo visible. Triple rinse container for disposal. Dispose of rinsate or any undiluted chemical according to state legislative requirements. Wash outside of the container and the cap. Store cleaned container in a sheltered place with cap removed. It will then be acceptable for recycling at any *drumMUSTER* collection or similar container management program site. The cap should not be replaced, but may be taken separately.

For *Refillable* containers:

Empty contents fully into application equipment. Close all valves and return to point of supply for refill or storage.

Small Spill Management

Wear protective equipment (see SAFETY DIRECTIONS). Apply absorbent material such as earth, sand, clay granules or cat litter to the spill. Sweep up material for disposal when absorption is completed and contain in a refuse vessel for disposal (see STORAGE AND DISPOSAL section). If necessary, wash the spill area with an alkali detergent and water and absorb the wash liquid for disposal as described above.

SAFETY DIRECTIONS

Harmful if inhaled. Will damage the eyes. Will irritate the skin. May irritate the nose and throat. Repeated exposure may cause allergic disorders. Avoid contact with eyes and skin. **DO NOT** inhale spray mist. If product on skin, immediately wash area with soap and water. If product in eyes, wash it out immediately with water. When opening the container and preparing spray, wear cotton overalls buttoned to the neck and wrists (or equivalent clothing) and a washable hat, elbow-length chemical resistant gloves and faceshield. Wash hands after use. After each day's use wash gloves, face shield and contaminated clothing.

FIRST AID

If poisoning occurs, contact a doctor or Poisons Information Centre (*Phone Australia 13 11 26; New Zealand 0800 764 766*). If swallowed, do **NOT** induce vomiting.

Additional GHS Hazard & Precautionary Statements

- Very toxic to aquatic life with long lasting effects; •**DO NOT** get on clothing; In case of fire: •Use carbon dioxide, dry chemical, foam to extinguish; •Store in a dry place.

SAFETY DATA SHEET

Additional information is listed in the Safety Data Sheet, which can be obtained from your supplier or from our website at www.imtrade.com.au

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®Other Company Registered Trademarks

| | |
|--|--|
| UN 3082 | ENVIRONMENTALLY HAZARDOUS SUBSTANCES, LIQUID, N.O.S. (contains MESOSULFURON-METHYL, MEFENPYR-DIETHYL) |
| IN A TRANSPORT EMERGENCY, DIAL 000 POLICE OR FIRE BRIGADE | |
| PG III | HAZCHEM •3Z |



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