

**ECOTOXIC**

**KEEP OUT OF REACH OF CHILDREN**

**PRIMIERA<sup>®</sup>**

Active ingredient: Contains 480g/litre mesotrione  
in the form of a suspension concentrate.

**A selective herbicide for the control of broadleaf  
weeds in grain and silage maize.**



**AGRECOVERY**

**Net: 5 Litres**



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**Nufarm**

**HAZARD CLASSIFICATION:** 6.3B, 6.4A, 6.9B, 9.1A, 9.2A

**APPROVED HANDLER:** This product must be under the control of an approved handler during use.

This product must not be used for any purpose or in any manner contrary to this label unless authorized under appropriate legislation.

**TOXICITY**

- Harmful – may cause eye or skin irritation. May cause organ damage from repeated oral exposure at high doses.

**ECOTOXIC**

- Very toxic to aquatic organisms with long lasting effects. Avoid contamination of any water supply with chemical, empty container or spray drift.
- Selective herbicide – very toxic to some plant species. **Beware: Spray drift hazard.** Apply this product carefully. Spray drift may cause serious damage to other desirable plants. Do not allow spray drift to occur outside of the target area.

**HANDLING PRECAUTIONS**

**STORAGE**

- Store in original container tightly closed and in a locked dry cool area away from foodstuffs, seeds and fertilizers. Store in accordance with NZS 8409 Management of Agrichemicals.
- Stores containing 100 litres are subject to signage and secondary containment, and more than 100 litres require emergency response plans.

**PERSONAL PROTECTION**

- Avoid skin and eye contact and inhalation of spray mist. When mixing or applying wear eye protection, waterproof gloves, boots and overalls. Do not eat, drink or smoke while using. Remove protective clothing and wash hands and face thoroughly before meals and after work.

**EQUIPMENT**

- Apply using well maintained and accurately calibrated spray equipment.

**DISPOSAL**

- Triple rinse container and add rinsate to the spray tank. Recycle empty container, otherwise crush and bury in a suitable landfill.
- Dispose of product only by using according to the label, or at an appropriate landfill.

**First Aid:** If swallowed do NOT induce vomiting. For advice contact the National Poisons Centre 0800 POISON (0800 764 766) or a doctor immediately. If skin or hair contact occurs remove contaminated clothing and wash with soap and running water. If in eyes wash out immediately with water. If inhaled move the victim to fresh air immediately.

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See [www.foodsafety.govt.nz](http://www.foodsafety.govt.nz) for registration conditions.

Approved pursuant to the HSN0 Act 1996, Approval Code: HSR 100665  
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PROPER SHIPPING NAME	CLASS	UN No.	HAZCHEM	PG
ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (MESOTRIONE 48%)	9	3082	2X	III

**CONDITIONS OF SALE:**

**CAUTION: READ THIS NOTICE BEFORE OPENING THE CONTAINER**

**If you open this container you will be deemed to have accepted the conditions below.**

The results from use of this product may be affected by factors beyond Nufarm's control, including mixing, use, climatic conditions, time of application, crop or crop stage and the possible development of resistance to the active ingredient, even though the product is reasonably fit for the purposes stated in this label, and even though label directions are followed. Nufarm will replace, free of charge, any product which is found to have a manufacturing defect. To the extent permitted by law, all other warranties, guarantees, representations and conditions, whether expressed or implied by law, trade, custom or otherwise are expressly excluded.  
When you use this product, you agree that neither Nufarm Limited nor any manufacturer of any component of the product will be liable for any damage, injury or loss including consequential loss which arises in any way from the storage, handling, or use of the product. This exclusion of liability includes loss caused by negligent acts or omissions of Nufarm Limited or any supplier or manufacturer of the product or any of their employees and agents.

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Nufarm Emergency PhoneInk: 0800 651 911 toll free 24 hours.

Batch No:  
D.O.M:

**Spillage:** Wear appropriate clothing and prevent material from entering waterways. Contain liquid spills, absorb with inert material and place in waste containers. Wash area with water and absorb with more inert material. Dispose of waste safely in an approved landfill.

**Transport:** Do not carry this product on a passenger service vehicle.

**Record Keeping:** Records of use as described in NZ 8409 Management of Agrichemicals must be kept if 3 litres or more of Primera is applied within 24 hours.

**Mixing:** Shake well before using. Pour the measured quantity of Primera into the partly filled spray tank, then top up with water. Agitate thoroughly during filling and spraying and before recommencing spraying after a stoppage.

**Resistance Management:** Primera is a **GROUP F2 HERBICIDE** from the triketone chemical group with the inhibition of 4-hydroxy phenylpyruvate – dioxygenase (4-HPPD) mode of action. To prevent or delay the development of resistance use Primera in tank mixes where appropriate and/or in rotation with herbicides having a different mode of action against the weed. Consult [www.nzpsps.org/resistance/index.php](http://www.nzpsps.org/resistance/index.php) for alternative modes of action and the details of resistance management strategies (if any) for the crops listed on the label.

#### **General Information:**

Primera is a selective herbicide for the control of a wide range of broadleaf weeds in grain and silage maize. It can be applied either pre or post emergence and is absorbed through the leaves, shoots and roots of weeds, interfering with carotenoid biosynthesis. Complete weed death may take up to 2 weeks.

**Weeds Controlled:** Primera is effective against a range of broadleaf weeds including Bathurst bur, black nightshade, chickweed, dandelion, fathen, (includes triazine resistant fathen), fennel, fishtail oxalis, galinsoga, hairy nightshade, mallow, redroot, seedling docks, spurrey, stagger weed, twin cress, willow weed, wire weed. Primera is only partially effective against grass weeds. It is recommended that Primera is used in conjunction with other herbicides to provide broad spectrum weed control (See under "Rates of Application" below).

#### **Directions for Use:**

It is an offence for users of this product to cause residues exceeding the relevant MRL in the New Zealand (Maximum Residue Limits of Agricultural Compounds) Food Standards.

#### **Rates of Application:**

**Pre-emergent:** Use 350 – 450ml of Primera per hectare. To increase the spectrum of weed activity use in combination with 1.7 litres/ha of Flowable Atrazine 600 or 1.1 kg/ha Nu-Trazine™ 900DF, or 2.3-3 litres/ha of Roustabout® or Joker®. Do not apply mixtures of Primera with either Flowable Atrazine 600 or Nu-Trazine 900DF to triazine tolerant weeds.

**Post emergent:** Use 150-200ml of Primera per hectare. To increase the spectrum of weed activity use in combination with 0.8-1.25 litres/ha of Flowable Atrazine 600 or 0.4-0.7 kg/ha Nu-Trazine 900DF, or 300-600 ml/ha Kamba® 500, or 80-110g/ha Latro® WG. Do not apply mixtures of Primera with either Flowable Atrazine 600 or Nu-Trazine 900DF to triazine tolerant weeds.

For optional post emergent weed control, particularly against grasses, Primera must be used in tank mixture with Bonza at 500ml-1L per 100 litres. Do NOT use methylated seed oil adjuvants or cationic surfactants. Do NOT use Bonza when tank mixing with Kamba® 500 or Emblem® Flo.

NOTE: Overseas literature indicates that the efficacy of nicosulfuron (eg Latro) may be reduced when it is applied in tank mixture with Primera, especially against yellow bristle grass.

#### **TIMES OF APPLICATION:**

**Pre emergent:** Apply to the freshly prepared seedbed immediately after planting and before crop emergence.

**Post emergent:** Primera is most effective when applied to weeds up to the 8 leaf stage. Providing the spray has dried on the foliage, light rain after post emergent spraying will not affect the results. Otherwise, rain within 3 hours of treatment may reduce effectiveness.

#### **APPLICATOR METHODS:**

**Boom spraying:** Use 100-300 litres of water per hectare. Use the higher volumes when used in conjunction with other herbicides and when spraying larger weeds. Do not use strainers finer than 300 micrometers.

Dry conditions following application may reduce pre-emergent effectiveness. If activating rain is not received with 7-10 days after a pre-emergent application, rotary hoeing is recommended to activate the herbicide.

#### **WARNINGS:**

**Organophosphate or carbamate insecticides.** Severe crop damage can occur if Primera is applied in a tank mix with any organophosphate or carbamate insecticide, or within 7 days of any such application. Primera may be applied with pyrethroid insecticides.

**Bleaching:** Transient bleaching may occur after post emergent applications if undertaken when the crop is stressed, e.g. drought. The crop will outgrow this and develop normally. Yield will not be affected.

**Popcorn and Sweetcorn.** Primera can be phytotoxic to varieties of popcorn and sweetcorn, and is not recommended for use.

**WITHHOLDING PERIOD:** Grain maize and green feed/silage: 70 days from the last application.

**SOIL RESIDUES:** To minimise soil residues which could affect subsequent crops, areas treated with Primera should be ploughed and cross cultivated between crops to ensure maximum dispersal of residues. Because residues may result from the use of Primera, planting of certain crops should be delayed to allow residues to decay. Allow at least 6 months before sowing white clover or ryegrass. Allow at least 12 months for legume crops such as lucerne, peas and red clover.