

# WARNING

KEEP OUT OF REACH OF CHILDREN

Read label before use

# ECOTOXIC

# AGPRO Mesotrione 480SC

*Contains: 480g/L Mesotrione in the form of a suspension concentrate*

A selective herbicide for the control of broadleaf weeds in  
Grain and Silage Maize

## 5L

Registered pursuant to the ACVM Act 1997, No. P8765  
See [www.foodsafety.govt.nz](http://www.foodsafety.govt.nz) for registration conditions  
Approved pursuant to HSNO Act 1996,  
Approval Code HSR100665  
See [www.epa.govt.nz](http://www.epa.govt.nz) for approval controls

Registered to and distributed by:  
**AGPRO NZ Ltd**  
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PO Box 58-963, Botany, Auckland 2163  
Ph 09 273 3456  
[www.agpro.co.nz](http://www.agpro.co.nz)

# AGPRO



## HAZARD CLASSIFICATION

Eye irritation Category 2, Specific target organ toxicity (repeated exposure) Category 2, Hazardous to soil organisms, Hazardous to the aquatic environment acute Category 1, Hazardous to the aquatic environment chronic Category 1

**HSNO Classification:** 6.3B, 6.4A, 6.9B, 9.1A, 9.2A

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

## WARNING

### TOXICITY

Causes serious eye irritation. May cause organ damage from repeated or prolonged oral exposure.

### ECOTOXICITY

Very toxic to the aquatic environment with long lasting effects. Very toxic to the soil environment.

## PRECAUTIONS

### QUALIFIED HANDLER

This product must be under the control of a suitably qualified handler during handling, mixing, loading or application.

### Selective Herbicide – very toxic to some plant species.

This product must not be applied into or on water. Avoid contamination of any water supply with product or empty container.

**Be aware: Spray drift hazard.** Apply this product carefully. Spray drift may cause serious damage to other desirable plants. Take all reasonable steps

to ensure that the substance does not cause any significant adverse effects to the environment beyond the application area.

## PERSONAL PROTECTION

Avoid contact with skin and eyes, ingestion and inhalation of spray mist. When mixing or applying this product, overalls, boots, gloves and eye protection should be worn. Do not eat, drink or smoke while using. Remove protective clothing and wash hands and face thoroughly before meals and after work.

## STORAGE

Store in original container, tightly closed, in a secure, dry, cool and well-ventilated area avoiding direct sunlight and away from foodstuffs, fertilisers or seeds. Storage must be in accordance with the current version of the New Zealand Standard for the Management of Agrichemicals (NZS 8409). Stores containing 100 litres or more of **AGPRO Mesotrione 480SC** require secondary containment, signage and an emergency plan.

## EQUIPMENT

Apply only with appropriate, well-maintained and calibrated equipment in accordance with NZS 8409.

## RECORDS OF APPLICATION

If 3kg or more of the substance is applied within 24 hours, in a place where the substance is likely to enter the air or water and leave the application area, written records must be kept.

## DISPOSAL

**PRODUCT DISPOSAL:** Dispose of this product only by using according to the label directions or if this is not possible contact your supplier for advice.

**CONTAINER DISPOSAL:** Triple rinse container and add rinsate to the spray tank. Recycle clean containers at an Agrecovery depot, or puncture and dispose of at an

Proper Shipping Name	Class	UN No.	Packing Group	Hazchem
<b>ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., (contains mesotrione 48%)</b>	<b>9</b>	<b>3082</b>	<b>III</b>	<b>3Z</b>

Batch Number:

Date of Manufacture:



LBL171.1

approved landfill. Do not burn. Do not use container for any other purpose.

#### FIRST AID

For advice call the National Poisons Centre 0800 POISON (0800 764 766) (24 hours) or a doctor. If medical advice is needed have product container or label to hand.

**IF SWALLOWED:** Do NOT induce vomiting. Rinse mouth. Call the Poisons Centre or doctor if you feel unwell.

**IF IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. If irritation persists, get medical advice/attention.

**IF ON SKIN OR HAIR:** Remove contaminated clothing and flush with water. If skin irritation occurs, get medical advice/attention. Wash contaminated clothing before reuse.

**IF INHALED:** Remove to fresh air and keep at rest in a position comfortable for breathing. Call the Poisons Centre or a doctor if you feel unwell. Apply artificial respiration if not breathing.

#### EMERGENCY RESPONSE

In a transport emergency call 111, Police or Fire Brigade.

For specialist advice in a chemical emergency call 0800 CHEMCALL (0800 243 622).

#### SPILLAGE

Exclude non-essential people from the area. Wear appropriate protective clothing and prevent chemical from entering waterways. Absorb liquid spills with inert materials such as attapulgite, soil, etc., and place in a sealable and labelled waste container. Wash area with water and absorb with further inert material. Dispose of safely at an approved landfill.

#### SAFETY DATA SHEET

Additional information is provided in the safety data sheet. Phone 09 273 3456 or visit [www.agpro.co.nz](http://www.agpro.co.nz) for a copy.

#### GENERAL INSTRUCTIONS

**AGPRO Mesotrione 480SC** is a selective herbicide for the control of a wide range of broadleaf weeds in grain and silage maize. **AGPRO Mesotrione 480SC** can be applied either pre- or post- emergence. **AGPRO Mesotrione 480SC** is absorbed through the leaves, shoots and roots of weeds, interfering with carotenoid

biosynthesis. Complete weed death may take up to 2 weeks.

#### RECOMMENDED USES

**AGPRO Mesotrione 480SC** is effective against a range of broadleaf weeds including Bathurst bur, black nightshade, chickweed, dandelion, fathen, fennel, fishtail oxalis, hairy nightshade, galinsoga, mallow, redroot, seedling docks, spurrey, staggerweed, twin cress, willow weed, wireweed.

As **AGPRO Mesotrione 480SC** is only partially effective against grass weeds, it is recommended that **AGPRO Mesotrione 480SC** is used in conjunction with other herbicides to provide broad spectrum weed control.

#### PRECAUTIONS

**Organophosphate or carbamate insecticides:** Severe crop damage can occur if **AGPRO Mesotrione 480SC** is applied in a tank mix with any organophosphate or carbamate insecticide, or within 7 days of any such application. **AGPRO Mesotrione 480SC** may be applied with pyrethroid insecticides, please check with AGPRO NZ Limited before application.

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

**Popcorn and sweetcorn:** **AGPRO Mesotrione 480SC** can be phytotoxic to varieties of popcorn and sweet corn and is not recommended for use.

#### RESISTANT WEEDS WARNING

GROUP	27	HERBICIDE
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**AGPRO Mesotrione 480SC** contains mesotrione a Group 27 triketone herbicide which acts by the inhibition of 4-hydroxy phenylpyruvate-dioxygenase (4-HPPD). Some naturally occurring weeds may become resistant when excessive use of the same herbicide group occurs. To prevent or delay resistance use **AGPRO Mesotrione 480SC** in tank mixes as appropriate, and/or in rotation with herbicides that have a different mode of action. Refer to [www.resistance.nzpps.org](http://www.resistance.nzpps.org) for further resistance management advice.

#### SOIL RESIDUES

To minimise soil residues which could affect subsequent crops, areas treated with **AGPRO Mesotrione 480SC** should be ploughed and cross cultivated between crops to ensure maximum dispersal of residues. Because residues may result from the use of

**AGPRO Mesotrione 480SC**, 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. For further advice contact a representative of AGPRO NZ Limited.

#### DIRECTIONS FOR USE

##### MIXING

Stir or mix well. Add the full quantity of the product to the partly filled spray tank whilst agitating. Fill tank and agitate to ensure thorough mixing and continue agitation while spraying. Agitate from the bottom if allowed to stand.

##### APPLICATION METHODS

**AGPRO Mesotrione 480SC can only be applied by ground based low-boom application.**

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

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

##### TIME OF APPLICATION

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

**Post-emergent:** **AGPRO Mesotrione 480SC** 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.

##### APPLICATION RATE

**The maximum application rate for AGPRO Mesotrione 480SC is 0.45La.i./ha.**

**Pre-emergent:** Use 350-450 mL of **AGPRO Mesotrione 480SC** per hectare. To increase the spectrum of weed activity, use in combination with 2 litres of Atrazine 500g/litre.

**Post-emergent:** Use 150-200 mL of **AGPRO Mesotrione 480SC** per hectare. To increase the spectrum of weed activity, use in combination with 1-1.5 litres of Atrazine 500g/litre per hectare.

For optimal post-emergent weed control, particularly against grasses such as summer grass and smooth

witchgrass, **AGPRO Mesotrione 480SC**, on its own or with tank mixes, must be used in conjunction with **AGPRO Crop Oil** at 1% by volume of the spray mix. Do NOT use methylated seed oil adjuvants or cationic surfactants.

##### WITHHOLDING PERIODS

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

**It is an offence for users of this product to cause residues exceeding the relevant MRL in the Food Notice: Maximum Residue Limits of Agricultural Compounds.**

##### CLEANING AND DECONTAMINATION

After using spray equipment, flush all equipment and lines with clean water. If the same equipment which applied **AGPRO Mesotrione 480SC** is to be used for any application onto or around sensitive crops, ensure that all spray equipment is washed well and decontaminated.

**AGPRO Mesotrione 480SC** also contains the following ingredients that are toxic and/or corrosive:

Ethylene Glycol (<10 %), Alcohols, C12-16, ethoxylated (<10%).

##### CONDITIONS OF SALE

As the use of this product is beyond the control of AGPRO NZ Ltd, no warranty expressed or implied, beyond that covered under the Fair Trading Act is given by AGPRO NZ Ltd regarding its suitability, fitness, or efficacy for any purpose for which it is used by the user, whether in accordance with the directions or not. AGPRO NZ Ltd accepts no responsibility for any consequence whatsoever resulting from the use of this product.