

# WARNING

KEEP OUT OF REACH OF CHILDREN  
READ THE LABEL COMPLETELY BEFORE MIXING OR APPLYING

# MESONIC 480 SC

**SELECTIVE HERBICIDE**

**ACTIVE INGREDIENT: 480 g/L MESOTRIONE in the form  
of a suspension concentrate.**

**GROUP 27 HERBICIDE**

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



Registered pursuant to the ACVM Act 1997, No. P009831  
See [www.foodsafety.govt.nz](http://www.foodsafety.govt.nz) for registration conditions  
Approved pursuant to the HSNO Act 1996, Approval No. HSR100665  
See [www.epa.govt.nz](http://www.epa.govt.nz) for approval controls

**NET CONTENTS: 5 L**

Registrant:  
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NZ Agent:  
**Kenso NZ Limited**  
2 Bond Crescent, Forrest Hill, Auckland 0620 New Zealand.  
Ph: 0800 536 766

# MESONIC 480 SC SELECTIVE HERBICIDE

## PERSONNEL QUALIFICATION & EXPERIENCE

This product must be under the control of an appropriately trained and experienced person during storage, use and disposal. For guidance refer to the requirements for class 6 and 9 substances of the Health and Safety at Work (Hazardous Substances) Regulations 2017 part 4.5 and the Hazardous Substances (Hazardous Property Controls) Notice 2017 Part 4 Subpart C.

## 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.

## WARNING

Cause serious eye irritation. May cause damage to organs through prolonged or repeated exposure.

## ECOTOXIC

Very toxic to aquatic life. Very toxic to aquatic life with long lasting effects. Avoid contamination of any water supply with chemical, empty container or spray drift.

## SPILLAGE

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

## STORAGE

Store in original container tightly closed and in a locked, dry, cool area away from foodstuffs, seeds, and fertilisers. Storage must be in accordance with NZS 8409 Management of Agrichemicals. Stores containing 100 Litres are subject to signage, and more than 100 Litres require emergency response plans.

## DISPOSAL

Triple rinse empty container and add residue to spray tank. Recycle empty container through Agrecovery (0800 247 326, [www.agrecovery.co.nz](http://www.agrecovery.co.nz)). Otherwise, crush and bury in a suitable landfill.

## FIRST AID

If swallowed, rinse mouth but do NOT induce vomiting. For advice

contact the National Poisons Centre 0800 POISON (0800 764 766) or a doctor immediately.

If on skin, wash with plenty of soap and water. Call a POISON CENTRE or doctor if you feel unwell. Wash contaminated clothing before reuse.

If inhaled, remove to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if you feel unwell.

## SAFETY DATA SHEET

A Safety Data Sheet is available from the Kenso NZ website: [www.kenso.co.nz](http://www.kenso.co.nz)

## CONDITIONS OF SALE

Kenso Corporation (M) Sdn. Bhd. will not accept any responsibility whatsoever and howsoever arising and whether for consequential loss or otherwise in connection with the supply of these goods other than responsibility for the merchantable quality of the goods and such responsibilities mandatorily imposed by Statutes applicable to the sale or supply of these goods. To the extent allowed by such Statutes the liability of Kenso Corporation (M) Sdn. Bhd. is limited to the replacement of the goods or (at the option of Kenso Corporation (M) Sdn. Bhd.) the refund of the price paid and where possible sufficient part of the goods to enable proper examination being returned to Kenso Corporation (M) Sdn. Bhd. within thirty days of delivery.



EMERGENCY RESPONSE  
Ring 0800 CHEMCALL, or  
0800 243 622 (24 hours)

Product of China



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**KENSON Z**  
Together we grow

UN NO: 3082

ENVIRONMENTALLY HAZARDOUS  
SUBSTANCE, LIQUID, N.O.S.

(CONTAINS MESOTRIONE)

PACKING GROUP III

HAZCHEM 2X

CONTAINS SPILLAGE

HAZARD CLASS 9



In a transport emergency dial 111,  
Police or Fire Service.

For specialist advice in an emergency  
only, call 0800 243 622 (24 hours).

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## HANDLING PRECAUTIONS

Keep out of reach of children. Use only outdoors or in a well-ventilated area. Do not eat, drink or smoke while using.

## EQUIPMENT

Apply using accurately calibrated and maintained equipment in accordance with The New Zealand Standard for the Management of Agrichemicals (NZS 8409).

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**UN NO: 3082**



**ENVIRONMENTALLY HAZARDOUS  
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**PACKING GROUP III, HAZCHEM 2X**

**CONTAINS SPILLAGE, CLASS 9**

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## DISPOSAL

Triple rinse empty container and add residue to spray tank. Recycle empty container through Agrecovery (0800 247 326, [www.agrecovery.co.nz](http://www.agrecovery.co.nz)). Otherwise, crush and bury in a suitable landfill.

## PROTECTIVE CLOTHING

When mixing or applying wear appropriate protective clothing including cotton overalls buttoned to the neck and wrist, impervious, elbow-length gloves and boots. Remove protective clothing and wash hands, arms and face with soap and water thoroughly after handling and before meals. Wash contaminated clothing before reuse.

## TRANSPORT

Do not carry greater than 10 Litres of this product on passenger service vehicles.

## RECORD KEEPING

Records of use as described NZS 8409 in Management of Agrichemicals must be kept if 3 litres or more of Mesonic 480 SC Selective Herbicide is used within 24 hours.

## PRODUCT INFORMATION:

Mesonic 480 SC Selective Herbicide is a selective herbicide for the control of a wide range of broadleaf weeds in grain and silage maize. Mesonic 480 SC Selective Herbicide can be applied either pre or post emergence. Mesonic 480 SC Selective Herbicide 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

Mesonic 480 SC Selective Herbicide 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, stagger weed, twin cress, willow weed, wire weed.

Mesonic 480 SC Selective Herbicide is only partially effective against grass weeds. It is recommended that Mesonic 480 SC Selective Herbicide is used in conjunction with other herbicides to provide broad spectrum weed control (see under 'rates of application' below).

## RESISTANCE MANAGEMENT **GROUP 27 HERBICIDE**

Mesonic 480 SC Selective Herbicide is a GROUP 27 HERBICIDE from the pyrazoles chemical group with the bleaching: inhibition of 4-hydroxy phenylpyruvate – dioxigenase (4-HPPD) mode of action. To prevent or delay the development of resistance use Mesonic 480 SC Selective Herbicide in tank mixes where appropriate and/or in rotation with herbicides having a different mode of action against the weed. Consult [www.resistance.nzpps.org/](http://www.resistance.nzpps.org/) for alternative modes of action and the details of resistance management strategies (if any) for the crops listed on the label.

## DIRECTIONS FOR USE

Beware: Apply this product carefully. Spray drift may cause serious damage to desirable plants. A strategy to minimize spray drift should be employed at all times when applying spray near aquatic environments.

## RATES OF APPLICATION

Pre-emergent: Use 350 - 450 ml of Mesonic 480 SC Selective Herbicide per hectare. To increase the spectrum of weed activity, use in combination with 1.7 litres/ha of Atrazine 600 g/L SC or 1.1 kg/ha Atrazine 900 WG Herbicide, or 2.3 - 3 Litres/ha of Acetoken 840.

Post emergent: Use 150 - 200 ml of Mesonic 480 SC Selective Herbicide per hectare. To increase the spectrum of weed activity, use in combination with 0.8 - 1.25 litres/ha of Atrazine 600 g/L SC or 0.4 - 0.7 kg/ha Atrazine 900 WG Herbicide, or 300 - 600 ml/ha Dicamba 500 g/L SL, or 80 - 110 g/ha Nicosulfuron 75% WG.

For optional post emergent weed control, particularly against grasses, Mesonic 480 SC Selective Herbicide must be used in tank mixture with oil adjuvant at 500 ml - 1 L per 100 litres. Do Not use methylated seed oil adjuvants or cationic surfactants. Do Not use oil adjuvant when tank mixing with Dicamba 500 g/L SL or Bromoxynil SC.

Note: Overseas literature indicates that the efficacy of Nicosulfuron may be reduced when it is applied in tank mixture with Mesonic 480 SC Selective Herbicide, especially against yellow bristle grass.

## TIMES OF APPLICATION

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

Post-emergence: Mesonic 480 SC Selective Herbicide 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.

## MIXING

Shake well before using. Pour the measured quantity of Mesonic 480 SC Selective Herbicide into partly filled spray tank, then top up with water. Agitate thoroughly during filling and spraying and before recommencing spraying after a stoppage.

## APPLICATION 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-emergence effectiveness. If activating rain is not received with 7 - 10 days after a

pre-emergence application, rotary hoeing is recommended to activate the herbicide.

## WEED CONTROL NOTES

Organophosphate or carbamate insecticides. Severe crop damage can occur if Mesonic 480 SC Selective Herbicide is applied in a tank mix with any organophosphate or carbamate insecticide, or within 7 days of any such application. Mesonic 480 SC Selective Herbicide may be applied with pyrethroid insecticides.

Bleaching: Transient bleaching may occur after post emergent applications if undertaken when the crop is stressed, eg, drought. The crop will outgrow this and develop normally. Yield will not be affected. Popcorn and sweetcorn. Mesonic 480 SC Selective Herbicide can be phytotoxic to varieties of popcorn and sweetcorn and is not recommended for use.

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

## 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 Mesonic 480 SC Selective Herbicide should be ploughed and cross cultivated between crops to ensure maximum dispersal of residues. Because residues may result from the use of Mesonic 480 SC Selective Herbicide, planting of certain crops should be delayed to allow residues to decay. Allow at least 6 months before sowing shite 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 Kenso NZ Ltd.

## FIRST AID

If swallowed, rinse mouth but do NOT induce vomiting. For advice contact the National Poisons Centre 0800 POISON (0800 764 766) or a doctor immediately.

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Batch No. :

Date of Manufacture :