

ECOTOXIC

KEEP OUT OF REACH OF CHILDREN

READ THE LABEL COMPLETELY BEFORE MIXING OR APPLYING

ETHOKEN 500 SC

HERBICIDE

ACTIVE INGREDIENT: 500 g/litre ETHOFUMESATE in the form of a suspension concentrate.

For barley grass control in pasture and weed control in turf ryegrass, fodder beet and red beet.

Registered pursuant of ACVM Act 1997, Approval No. P9348
See www.foodsafety.govt.nz for registration conditions
Approved pursuant to HSNO Act 1996, Approval No. HSR000826
See www.epa.govt.nz for approval conditions

NET CONTENTS: 20 L

ETHOKEN 500 SC HERBICIDE

HSNO CLASSIFICATION: 9.1B, 9.2A

ECOTOXIC

Toxic to aquatic organisms with long-lasting effects. Very toxic in the soil environment.

HANDLING PRECAUTIONS

STORAGE

Store in original container tightly closed and in a locked, dry, cool area away from foodstuffs. Store in accordance with NZS 8409 Management of Agrichemicals.

Stores containing 100 litres are subject to secondary containment and signage and more than 100 litres require emergency response plans.

PERSONAL PROTECTION

Avoid skin or eye contact and inhalation of spray mist. When mixing or applying wear eye protection, impervious 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.

SPILLAGE

When dealing with spills wear personal protective clothing and equipment as described in the PERSONAL PROTECTION section.

Contain the spill by damming, recover spilt product by absorbing with sawdust or an inert absorbent material then transfer the recovered spilt material to a properly labelled drum. Deal with all spillages immediately. If contamination of drains, streams, watercourses, etc is unavoidable, warn the local water authority.

DISPOSAL

Triple rinse empty container and add residue to spray tank. Recycle empty container through Agrecovery (0800 247 326, www.agrecovery.co.nz). Otherwise, crush and bury in a suitable landfill. DO NOT reuse this container for any other purpose.

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 contact occurs, remove contaminated clothing and flush skin with running water. If irritation occurs, seek medical advice. If splashed in eyes, wash out immediately with water. If irritation persists, get medical advice. If inhaled, move the victim to fresh air immediately.

SAFETY DATA SHEET

A Safety Data Sheet is available from the Kenso NZ website: 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.



Product of China



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Batch No.:
Date of Manufacture:

04/17

UN NO: 3082
ENVIRONMENTALLY HAZARDOUS
SUBSTANCE, LIQUID, N.O.S.
(CONTAINS ETHOFUMESATE)
PACKING GROUP III, HAZCHEM 3Z
CONTAINS SPILLAGE, CLASS 9



In a transport emergency dial 111, Police or
Fire Service. For specialist advice in emergency
only, call 0800 243 622 (24 hours)

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Kenso Corporation (M) Sdn Bhd
2 Bond Crescent, Forrest Hill,
Auckland 0620 NZ
Phone: (09) 410 0861



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BEWARE: Apply this product carefully. Spray drift may cause serious damage to other desirable plants.

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

UN NO: 3082



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

(CONTAINS ETHOFUMESATE 50%)

PACKING GROUP III, HAZCHEM 3Z

CONTAINS SPILLAGE, CLASS 9

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

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call 0800 243 622 (24 hours)**

Ethoken 500 SC is an early post-emergence herbicide for the control of barley grass in pasture, grass weeds in turf ryegrass and for pre- and early post-emergence weed control in fodder beet and red beet.

Additional notes:

Ethoken 500 SC is active pre-emergence through absorption by the emerging shoots of grass weeds and by the roots of broad-leaved weeds soon after germination. Lack of soil moisture and the presence of raw organic matter will reduce or prevent pre-emergence activity.

Post-emergence treatments are initially absorbed through the foliage and later via the root. Root absorption is also affected by moisture and organic matter.

Ethoken 500 SC is very selective in ryegrass spp. in pasture and in turf but will suppress clovers. Areas where clover production is important should not be treated with Ethoken 500 SC as temporary suppression can be expected.

Ethoken 500 SC is also selective in fodder beet and red beet pre- and post-emergence. Post-emergence treatment may cause some distortion to crop foliage particularly early in the season, but this does not adversely affect yield.

Do not spray when rain is imminent or falling. Slight rain following or heavy dew prior to spraying will not reduce the effect providing it does not wash the chemical off the foliage. Protect concentrate from frost.

RESISTANT MANAGEMENT

GROUP N HERBICIDE

Ethoken 500 SC contains ethofumesate, a Group N Herbicide from the benzofurane chemical group with the inhibition of lipid synthesis – not ACCase inhibition mode of action. To prevent or delay development of resistant biotypes, use Ethoken 500 SC in tank mixture or rotation with herbicides of a different mode of action against the weed. Consult www.resistance.nzapps.org/ for alternative modes of action and details of resistance management strategies (if any) for the crops listed on the label.

DIRECTIONS FOR USE

Mixing:

Use only clean water which is above 5°C temperature. Do not add surfactants. Add the required amount to the partly-filled spray tank with the agitator operating. Complete filling tank with water and use immediately, maintaining agitation until spraying is complete.

Equipment:

Thorough and even application is essential. Apply only through properly calibrated boom spraying or handgun equipment. Do not use impact nozzles or broadcast nozzle cluster equipment. Non-reinforced PVC tubing may soften or swell after prolonged contact. Thoroughly clean sprayer after use with water and detergent. Spray out completely and rinse twice with clean water. Open tank lid and remove nozzles to allow access to air.

RECOMMENDATIONS:

Use	Rate	Remarks
Barely grass control in pasture	Boom application: 4 litres/ha in 200-400 litres of water Gun application: 400mL/100 litres of water	For optimum results treat barley grass growing in moist conditions at an early growth stage but after the main germination has occurred. The normal timing is between April and July following Autumn rain, but this will vary by season and region. Before treatment remove fallen debris (e.g. branches) and harrow large dung pats. Graze to 3-5cm in height and allow to freshen up. Complete coverage of barley grass is essential. Ethoken 500 SC will not control barley grass in the green seedhead stage. Do not apply after July. Raw organic matter on stock camps will reduce efficiency and follow up treatments may be required. NB In areas of dense barley grass where the sward contains less than 5% ryegrass, ryegrass seed should be sown as soon as possible after spraying.
Grass weed control in turf ryegrass	Boom application: 4 litres/ha in 200-400 litres of water Gun application: 400mL/100 litres of water	Use only on turf ryegrass. To control annual poa follow the recommendation for barley grass control in pasture above. Do not mow treated area for 4-5 days after spraying. To control summer germinating annual grasses apply treatment just prior to expected germination of weeds – usually September-October. A repeat treatment may be required after 6-8 weeks. Over-sow with ryegrass following treatment of densely weed infested areas.
Red beet (Beetroot)	3-4 litres/ha in 200-300 litres of water	Pre-sowing or pre-emergence: Apply before drilling or as soon as possible after drilling but before crop or weed emergence. The seedbed should be firm, fine and moist. If moisture is limited, shallow (2-5 cm) incorporation of pre-sowing treatment may be preferred. Use the highest rate where moisture is limited or the seedbed is less than ideal.
Fodder beet	2 litres/ha in 200-300 litres of water	
Post-emergence: For red beet (beetroot) use 4 litres/ha when weeds are from cotyledon to 2 true leaf stage. For fodder beet make 2 applications at 2 litres/ha in mixture with Fender 320 at 1.5 litres/ha after the crops has 2 true leaves fully developed. The first application when weeds are from cotyledon to 2 true leaf stage and the 2cond 10-14 days later. Notes 1. Ethoken 500 SC can be applied post-emergence following pre-emergence treatment with other herbicides. 2. Fender 320 may be applied post-emergence to crops previously treated with Ethoken pre-emergence. 3. Any crop may be sown 5 months after a single application of Ethoken 500 SC at recommended rates. Ploughing to a minimum depth of 15cm should precede seedbed preparation for following crops.		

Weed susceptibility:

Susceptible	Intermediate	Resistant
Annual poa	Barnyard grass	Dead nettles
Chickweed	Black nightshade	Galinsoga
Cleavers	Fathen	Groundsel

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

Withholding Periods

Pasture – 28 days. Do not graze stock on treated areas for 28 days after spraying.
Fodder beet – 56 days. Do not graze stock on treated areas for 56 days after spraying.

DISPOSAL

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