



HERBICIDE

Ethomate[®]

For Selective weed management in Bulb Onions, Barley Grass control in pastures, annual Grassweed control in Sports Turf and weed control in Fodder and Red Beet

Contains 500g/litre ethofumesate in the form of a suspension concentrate

WARNING // ECOTOXIC

Keep out of the reach of children

Net Contents **10 LITRES**

GROUP

15

HERBICIDE



agrisource.co.nz

FREE RECYCLING

AGRECOVERY
www.agrecovery.co.nz

GENERAL INFORMATION

Ethomate is a post-emergence herbicide for use in bulb onions, a pre and post-emergence herbicide for the control of Barley Grass, Annual Poa and certain other annuals in Ryegrass/Clover pasture, Ryegrass seed crops and playing fields. **Ethomate** is safe to Ryegrass but will suppress clovers. **Ethomate** also controls Barley Grass in non-crop areas such as stock camps, tree plantations and fence lines but for maximum benefit, Ryegrass should be over-sown as soon as possible in these areas.

Ethomate is effective against a number of annual weed grasses e.g. Bromus Mollis, Annual Poa present at the time of application. It also controls a number of broad-leaved weeds in the seedling stage e.g. Chickweed, Cleavers.

BULB ONIONS

Ethomate provides good suppression of a number of weeds, including black nightshade, fathen, fumitory, hairy nightshade, spurrey, twincrest, white clover and wireweed. This suppression effect enhances overall weed control when used in a programme with other selective herbicides such as ioxynil and methabenzthiazuron. Target weeds should be no more than the 2 leaf stage for optimum efficacy.

IMPORTANT - RESISTANCE MANAGEMENT

Ethomate contains the **GROUP 15 HERBICIDE** ethofumesate. Resistance to pesticides can develop from excessive use. To minimise this risk, avoid using this herbicide exclusively all season, avoid unnecessary spraying and endeavour to alternate with herbicides from other groups within the crop and in subsequent seasons for a sprayed paddock. Use strictly in accordance with label instructions. Maintain good cultural practices. For further resistance management information refer to refer to www.resistance.nzpps.org.

SPRAY DRIFT

Take all reasonable steps to ensure that **Ethomate** does not cause any significant adverse effects to the environment beyond the application area. Avoid spray or spray drift contacting desirable plants or falling within their root zones. Avoid spray overlapping during application. Spray drift or equipment contamination may cause serious damage to desirable plants.

RESISTANT WEEDS – Bulb Onions

Chickweed, Pearlwort, most rhizomatous weeds and weeds emerging from root fragments (particularly large fragments) will not be controlled.

WEED CONTROL - Redbeet, Beetroot and Fodder beet		
SUSCEPTIBLE	INTERMEDIATE	RESISTANT
Redroot (Prince of Wales Feather) Fumitory Cleavers Chickweed Spurrey (Yarr) Wild Portulaca Summer Grass Annual Poa Sow Thistle	Fathen Black Nightshade Wireweed Willow Weed (Redshank) Speedwells Barnyard Grass Wild Oats *Combind *Annual Nettle *Shepherds Purse	Wild Radish Dead Nettles Galinsoga Rye Grasses Groundsel *These weeds-controlled pre-emergence only

RAINFALL

Do not spray when rain is imminent or falling. Slight rain following and heady dew prior to the application of **Ethomate** will not reduce the effect providing it does not wash the chemical off the treated weeds.

SPRAYER MATERIALS

Non-reinforced PVC tubing may soften or swell after prolonged contact with **Ethomate**.

PLANT BACK OF FOLLOWING CROPS

Residues may persist in the treated soil. Unless a test sowing of an intended follow up crop has demonstrated no effect, allow 150 days from the last use of the product before sowing or planting into a well cultivated seed bed.

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 PERIODS

Bulb Onions 90 Days
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.

DIRECTIONS FOR USE. DO NOT mix with any wetting agents or surfactants.

CROP	WEEDS CONTROLLED	RATE	CRITICAL COMMENTS
Bulb Onions	(suppression) black nightshade, fathen, fumitory, hairy nightshade, spurrey, twincrest, white clover and wireweed	900-1200ml/ha in 200-300L of water/ha	Apply Ethomate to onions from first true leaf onwards at 7-14 day intervals. Use the higher rate if weeds are past the first true leaf stage at the time of application. Apply a maximum of three applications per crop, followed by an ioxynil/methabenzthiazuron regime, used in accordance with their label claims.
Pasture (ryegrass/ clover)	Barley grass	4L/ha in 200-400L of water per ha Hand gun rate 400ml/100L of water	Apply Ethomate after main germination, usually from April to July. Evenly grazed pasture 3-5 cm high will help achieve optimum results. Raw organic matter will reduce effectiveness on stock camps. Temporary suppression of white clover will occur.
Redbeet, beetroot	Refer to weed control table	3-4L/ha in 200-300L of water per ha	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 high rate where moisture is limited or the seedbed is less than ideal.
Fodder beet		2L/ha in 200-300L of water per ha	Post-emergence: For red beet (beetroot) use 4 litres/ha on weeds from cotyledon to two true leaf stage. For fodder beet make two applications at 2 litres/ha in mixture with phenmedipham/desmedipham mixture as per label instructions. Make the first application when weeds are from cotyledon to two true leaf stage and the second 10-14 days later. Ethomate can follow a pre emergence treatment with other herbicides.
Turf ryegrass (do not apply to fine turf species)	Annual poa	4L/ha in 200-400L of water per ha	Treat the same as for barley grass. Delay mowing for 4-5 days after spraying.
	Summer, barnyard and bristle grasses	Hand gun rate 400ml/100L of water	Apply just before weed emergence in September – October. After 6-8 weeks a repeat treatment maybe necessary. Oversow with ryegrass immediately if turf contains less than 5% ryegrass.

© Ethomate is a registered trademark of Agri Solutions Limited

Registered pursuant to the ACVM Act 1997 No. P9807
See www.foodsafety.govt.nz for registration conditions
Approved pursuant to the HSNO Act 1996 No. HSR000826
See www.epa.govt.nz for approval conditions

REGISTRANT
Agri Solutions Ltd , 45 Kitchener Road, Pukekohe 2120

DISTRIBUTOR
Agrisource (2000) Ltd, 45 Kitchener Road, Pukekohe 2120
09 237 0442 · www.agrisource.co.nz

BATCH NO: **REFER TO DRUM AND CARTON**

DATE OF MANUFACTURE: **REFER TO DRUM AND CARTON**

READ LABEL COMPLETELY BEFORE USE



ECOTOXICITY

Toxic to aquatic life with long lasting effects. Do not apply onto or into water. Take all reasonable steps to ensure that the substance does not cause any significant adverse effects to the environment beyond the application area. Collect spillage. Hazardous to soil organisms.

RECORD KEEPING

Where 3kg or more of the substance is applied within 24 hours, in a place where the substance is likely to enter air or water and leave the application area, a PCBU with management or control of the substance must ensure that a written record is kept of each application of the substance. Refer to Part 4 Clause 48 of the Hazardous Substances (Hazardous Property Controls) notice 2017 for details of information that must be recorded.

QUALIFICATIONS REQUIRED FOR USE OF THIS PRODUCT

Anyone who mixes, loads, or applies this product, either by air or ground based methods, is required to be suitably qualified. Refer to Schedule 10 of the Hazardous Substances (Hazardous Property Controls) notice 2017 for a list of suitable qualifications.

HANDLING PRECAUTIONS - FOR WORKPLACE USE ONLY.

Personal Protection: Avoid contact with eyes, skin or inhalation of spray mist. Ensure adequate ventilation when handling concentrate. Wear eye protection and gloves. Do not eat, drink or smoke while using. Wash hands and face before meals and after work. When mixing or applying, wear appropriate personal protection including overalls, impervious, elbow-length gloves and eye protection. Wash hands and exposed skin before meals and after work. Wash and dry personal protective equipment before re-use.

Equipment: Apply using accurately calibrated and maintained equipment in accordance with the New Zealand Standard for the Management of Agrichemicals (NZS8409). Flush spray equipment thoroughly with water after use.

Storage: Keep out of reach of children. Store in original container tightly closed and in a locked dry, cool, well-ventilated area, away from foodstuffs, seeds and fertilisers. Storage must be in accordance with the current version of the New Zealand Standard for the Management of Agrichemicals (NZS8409). Stores containing more than 1000 litres are subject to signage and secondary containment and require an emergency response plan.

Shelf Life: When stored appropriately this product should show no significant degradation for 2 years from the date of manufacture. Contact your supplier for further information about the use of any product that is older than this.

Spillage: Move non-essential people from the area. Wear appropriate protective clothing and prevent material from entering waterways. Absorb spills with inert material and place in waste containers. Sweep up solids without creating dust. Wash area with water and absorb with further inert material. Dispose of waste safely (such as to a suitable landfill).

Product Disposal: Ensure disposal of unwanted product is by intended use or by another operator strictly in accordance with label directions.

Container Disposal: Triple rinse container and add rinsate to spray tank. Dispose of cleaned container at your local AGRECOVERY container collection site.

Safety Data Sheet: Additional information is provided in the SDS available from your supplier or www.agrisource.co.nz

FIRST AID

IF SWALLOWED: Rinse Mouth. DO NOT induce vomiting. Call a POISON CENTER or doctor/physician if you feel unwell. For advice, contact the National Poisons Centre 0800 Poison (0800 764 766) or a doctor immediately. **IF IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. **IF ON SKIN:** Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention. If exposed or concerned or if you feel unwell: Get medical advice/ attention. If medical advice is needed, have product container or label at hand.

EMERGENCY RESPONSE

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

CONDITIONS OF SUPPLY

All goods supplied by us are produced under rigid quality control procedures which assure the purchaser that at the time of sale they are physically suitable for use in the manner stated. However, to the extent permitted by law, buyers and/or users of the goods accept that neither the manufacturer, Agri Solutions Ltd as registrant, nor any other distributor have any liability or responsibility whatsoever for any loss, damage or injury whether in contract or tort, whether direct, indirect or consequential howsoever arising in connection with the supply of these goods.

24 HOUR EMERGENCY RESPONSE 0800 CHEMCALL (0800 243 622)