



AGRISOURCE
PRODUCTS FOR AGRICULTURE

WARNING
KEEP OUT OF THE
REACH OF CHILDREN
ECOTOXIC

PASTURE CLEAR

**For Barley Grass control in pastures, annual Grassweed
control in sports turf and weed control in Red Beet**

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

GROUP	N	HERBICIDE
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* (CAS No. 26225-79-6)

NET CONTENTS
10 Litres

READ LABEL COMPLETELY BEFORE USE

HSNO CLASSIFICATIONS: 9.1B, 9.2A



ECOTOXIC

Toxic to aquatic organisms with long-lasting effects. Avoid contamination of any water supply with product or empty container. Very toxic to soil environment.

APPROVED HANDLER

This product must be under the personal control of an approved handler when the substance is applied in a wide dispersive manner or used by a commercial contractor.

HANDLING PRECAUTIONS

Personal Protection: When mixing or applying, avoid contact with skin and eyes. Wear full protective clothing, gloves and goggles. Do not eat or drink while using. Wash hands and face before meals and after work. Wash protective clothing after work.

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

Storage: Store in original container tightly closed and in a locked, dry, cool, well ventilated area away from fertilisers, feed, seeds and foodstuffs. Keep out of reach of children. Store in accordance with NZ 8409 Management of Agricultural Chemicals.

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: Dispose of unwanted product by use 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. Do not use container for any other purpose.

Safety Data Sheet: Additional information is provided in the SDS available from your supplier.

FIRST AID

If swallowed DO NOT induce vomiting. For advice, contact the National Poisons Centre 0800 Poison (0800764 766) or a doctor immediately. If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. If concentrate is splashed in the eyes, flush with running water immediately.

EMERGENCY RESPONSE

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

GENERAL INFORMATION

Pasture Clear is 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. **Pasture Clear** is safe to Ryegrass but will suppress clovers. **Pasture Clear** 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.

Pasture Clear 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.

NOTE: Avoid spray or spray drift contacting desirable plants or falling within their root zones. Surplus spray liquid or flushings from equipment should not be disposed of on cropping land or in streams. Areas where clover production is important should not be treated with **Pasture Clear** as temporary suppression can be expected.

RAINFALL

Do not spray when rain is imminent or falling. Slight rain following and heavy dew prior to the application of **Pasture Clear** will not reduce the effect providing it does not wash the chemical off the treated annual grasses.

MIXING

Part fill the spray tank with clean water and check that the agitation is working properly. Add the correct amount of **Pasture Clear** and top up with clean water to the required level. Thorough agitation is necessary before commencing spraying. Mix only sufficient chemical for immediate use. Do not use water at or below 5°C as crystallisation may occur.

BOOM SPRAY

Ensure that the nozzles are set at the correct height to give an even coverage i.e. 50-60 cm above the pasture or crop. Use a nozzle and pressure combination that gives a fine spray (200-300 kPa). Make sure the nozzle tips are clean, undamaged and all of the correct type and size. Impact nozzles or broadcast nozzle clusters should not be used. After use wash equipment thoroughly with water containing liquid detergent. Spray out completely. Rinse twice with clean water. Open tank lid and remove nozzles to allow access to air.

SPRAYER MATERIALS

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

KEEP OUT PERIOD

For best results, keep off turf for 24 hours after treatment.

WITHHOLDING PERIOD

28 days

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

24 HOUR EMERGENCY RESPONSE 0800 CHEMCALL (0800 243 622)

DIRECTIONS FOR USE

IMPORTANT - RESISTANCE MANAGEMENT

Pasture Clear contains the **GROUP 14A** 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.

BARLEY GRASS

Application: By either a boom sprayer, hand gun or knapsack.

Time of Application: To obtain maximum long term control of Barley Grass, it is essential **Pasture Clear** be applied to moist soil when Barley Grass is in the early growth stage, after the main germination has occurred following Autumn rainfall. This period is normally from April to July but will vary both by season and region. **Pasture Clear** gives best control when applied to closely grazed pasture when the barley grass is not more than 3-5cm in height. **Pasture Clear** will also give residual control of Barley Grass seedlings germinating after treatment. **Pasture Clear** is not recommended for the control of Barley Grass in the green flower head stage, nor is it recommended for application after July.

Rate of Application: Boom Spray: Pasture Clear should be applied at 4 litres per hectare in 200-400 litres of water. Thorough wetting and complete coverage of the Barley Grass is essential. N.B. Large dung pats should be harrowed, and fallen debris from shelter belts or trees should be removed before treatment. The presence for raw organic matter as in stock camp sites can reduce the effect of **Pasture Clear** and a follow-up treatment may be necessary. **Spot Application by Hand Gun or Knapsack:** Mix 400 ml of **Pasture Clear** per 100 litres of water and apply as a thoroughly wetting spray.

Important Note: In areas of dense Barley Grass where the pasture sward contains less than 5% Ryegrass it is recommended that Ryegrass seed be drilled as soon as possible after spraying.

RYEGRASS TURF

Ryegrass turf is extremely tolerant of **Pasture Clear** applied at all growth stages. To control Annual Poa refer to directions under "Barley Grass". Do not mow treated turf for 4-5 days following spraying. To control Summer germinating annual grasses apply 4 litres per hectare just prior to the expected emergence of the weeds (Sept-Oct). A repeat treatment may be necessary after 6-8 weeks. Note over-sowing recommendation.

RED BEET (BEETROOT)

Apply **Pasture Clear** pre-sowing, pre-emergence or post-emergence by boom sprayer as a band or overall spray in 200-300 litres of water per treated hectare. **Pre-sowing or Pre-emergence:** Apply 3-4 litres **Pasture Clear** per hectare before drilling or as soon as possible after drilling but before crop or weed emergence. The seed bed should be fine, firm and moist. Where soil moisture is limited, shallow (2-5 cm) incorporation of **Pasture Clear** may be preferable. Use the higher rate under poor seed bed conditions or when moisture is likely to be limiting. **Post-emergence:** Apply 4 litres of **Pasture Clear** per hectare. Best results will be obtained from application to weeds in the cotyledon 2 true leaf stage.

NOTE

- 1) Post-emergence applications of **Pasture Clear** can be made following pre-sowing or pre-emergence treatments with other herbicides.
- 2) Phenmedipham may be applied post-emergence to crops previously treated pre-sowing or pre-emergence with **Pasture Clear**.
- 3) Any crop may be sown 5 months after using **Pasture Clear** at recommended rates. Ploughing to a minimum depth of 15 cm should precede preparation and planting of the following crop.
- 4) Slight foliage distortion may occur on occasional plants treated with **Pasture Clear**. These effects are most likely to occur early in the season and have no adverse effect on total yield.
- 5) Adequate soil moisture is necessary for satisfactory weed control.

WEED CONTROL

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

CONDITIONS OF SUPPLY

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See www.foodsafety.govt.nz for registration conditions

Approved pursuant to HSNO Act 1996 No. HSR000826
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REGISTRANT

Agri Solutions Ltd
Level 1, 26 Crummer Road, Grey Lynn, Auckland 1021

DISTRIBUTOR

AgriSource (2000) Ltd
45 Kitchener Road, Pukekohe 2120
09 237 0422 · www.agrisource.co.nz

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