

ECOTOXIC
KEEP OUT OF REACH OF CHILDREN

EXPO 500[®]

HERBICIDE

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

For weed control in pasture, turf fodder beet and red beet

17114

PLEASE READ ENTIRE LABEL BEFORE MIXING OR APPLYING.

HAZARD CLASSIFICATION; 9.1B, 9.2A

APPROVED HANDLER: This product must be under the control of an approved handler during use. See SDS for details.

RECORD KEEPING: Records of use as described in NZS 8409 Management of Agrichemicals must be kept in certain situations. See SDS for details.

WARNING: This material may be harmful if swallowed, inhaled or absorbed through the skin.

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 or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. DO NOT scrub the skin. If splashed in eyes, wash out immediately with water for at least 15 minutes. If inhaled move the victim to fresh air immediately. Begin artificial respiration if breathing has stopped.

PERSONAL PROTECTION: Avoid contact with skin or inhalation of spray mist. Ensure adequate ventilation when handling concentrate. Wear eye protection when handling the concentrate. Gloves should be worn at all times. Wash thoroughly after use and before eating.

ECOTOXIC: Warning - Toxic to aquatic organisms. Avoid contamination of any water supply with chemical or empty container. Very toxic to the soil environment due to herbicidal properties.

STORAGE: Store in original container, tightly closed and in a dry, cool area away from foodstuffs. Store in accordance with NZS 8409 Management of Agrichemicals. Protect concentrate from frost.

DISPOSAL: Triple rinse empty container and add rinsate to the spray tank. If recycling, discard cap and deliver clean container to an Agrecovery depot or crush and bury in an approved landfill. Dispose of product only by using according to this label, or at an approved disposal facility.

SAFETY DATA SHEET: Additional information is listed in the SDS available from Lonza NZ Limited or www.lonza.co.nz

Approved pursuant to the HSN Act 1996, No: HSR000826. See www.epa.govt.nz for approval conditions.

Registered pursuant to the ACVM Act 1997, No. P005494 See www.foodsafety.govt.nz for registration conditions.

GENERAL INFORMATION: Expo 500 is an early post-emergence herbicide for the control of barley grass in pasture, grass weeds in ryegrass turf and for pre- and early post-emergence weed control in fodder beet and red beet. Expo 500 is active pre-emergence through absorption by the emerging shoots of grass weeds and by the roots of broadleaved 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.

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

Expo 500 is also selective in 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.

BEWARE: APPLY THIS PRODUCT CAREFULLY. SPRAY DRIFT MAY CAUSE SERIOUS DAMAGE TO OTHER DESIRABLE PLANTS.

WEEDS CONTROLLED: **Susceptible weeds:** Annual poa, barley grass, chickweed, cleavers, fumitory, redroot, sow thistle, spurrey, summer grass and wild portulaca. **Moderately susceptible weeds:** Barnyard grass, black nightshade, cornbind*, fathen, nettle*, shepherd's purse*, speedwells*, wild oats, willow weed, wireweed. *These weeds controlled pre-emergence only. **Resistant weeds:** Dead-nettle, galinsoga, groundsel, ryegrass, wild radish and perennial weeds.

DIRECTIONS FOR USE:

USE	RATE	CRITICAL COMMENTS
PASTURE: Barley grass	Boom application: 4 litres/ha Gun application: 400 ml/100 litres of water	Complete coverage of barley grass is essential. 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. Barley grass in the green seed head stage will not be controlled. Before treatment remove fallen debris (eg branches) and harrow large dung pats. Graze to 3 - 5cm in height and allow to freshen up. 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.
TURF RYEGRASS: Annual poa and summer germinating annual grasses	Boom application: 4 litres/ha. Gun application: 400 ml/100 litres of water	Use only on ryegrass turf unless safety is known. To control annual poa follow the recommendations for barley grass control in pasture above. Best control will be achieved with early autumn applications when the Poa annua is in the seedling stage. Control will be variable if applications are delayed to late winter - early spring. To control summer germinating annual grasses apply just prior to expected germination of weeds - usually Sept-Oct. A repeat treatment may be required after 6 - 8 weeks. Over-sow with ryegrass following treatment of densely weed infested areas. Do not mow treated area for 4 - 5 days after spraying. Do not play on turf within 24 hours of treatment.
RED BEET (Beetroot)	3 - 4 litres/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 (2-5cm) 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	2 litres/ha	Post-emergence: For red beet (beetroot) use 4 litres/ha on weeds from cotyledon to 2 true leaf stage. For fodder beet make two applications at 2 litres/ha in mixture with Betanal Forte at 1.5 litres/ha after the crop has two true leaves fully developed. Make the first application when weeds are from cotyledon to two true leaf stage and the second 10-14 days later. Expo 500 can follow a pre emergence treatment with other herbicides.

MIXING: Use only clean water which is above 5° C temperature. Pour the correct amount of Expo into the partly filled tank, and while agitating add the remainder of the water. Add any tank mixture products separately. Maintain agitation during spraying and any stoppages. Only mix sufficient spray for immediate use. DO NOT leave the spray mix in the sprayer overnight.

COMPATIBILITY: Expo is compatible with likely herbicide tank mixtures. Refer to the tank mixture product labels for further instructions. Each product should be added separately to the bulk of the water in the spray tank while filling with the agitator working.

ADJUVANTS: Do not add surfactants unless it is known to be safe to do so.

APPLICATION: Thorough and even application is essential. Use 200 to 300 litres water per hectare in fodder beet and 200 to 400 litres water per hectare in other crops. For boom application and completely wet all foliage when using hand gun spraying. Apply only through properly calibrated boom spraying or handgun equipment. Do not use impact nozzles or broadcast nozzle cluster equipment.

FOLLOWING CROPS: Any crop may be sown 5 months after a single application of Expo 500 at recommended rates. Ploughing to a minimum depth of 15cm should precede seedbed preparation for following crops.

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: 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.

RESISTANCE MANAGEMENT: **GROUP N HERBICIDE**

Expo 500 contains a benzofurane herbicide with the inhibition of lipid synthesis mode of action. Some naturally occurring weed biotypes resistant to Expo 500 and other group N herbicides may exist through normal genetic variability in any weed population. The resistant individuals can eventually dominate the weed population if these herbicides are used repeatedly. These resistant weeds will not be controlled by Expo 500 or other Group N herbicides. To minimise any possible resistance risk use strictly in accordance with the label instructions. For further information see: www.esistance.nzpps.org

NOTICE TO BUYER: The manufacturer and vendors of Expo 500 warrant the formulation to contain the specified active ingredients within accepted tolerance but make no warranty of any kind on the uses of material and accept no responsibility, whether the material is used in accordance with the label directions or not.

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