

WARNING – KEEP OUT OF REACH OF CHILDREN. ECOTOXIC


ravensdown

HERBICIDE

GROUP 5

Atraflo

A selective post emergent residual herbicide for the control of some seedling grass and broadleaf weeds in maize, sweetcorn, established lucerne and non-cropland situations.

ACTIVE INGREDIENT:

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



Registrant: Ravensdown Ltd

292 Main South Road
Hornby, Christchurch 8042
New Zealand
Phone: 03 353 4600

ravensdown.co.nz

BATCH:

D.O.M:

NET CONTENTS
20 Litres

ATRAFLO | READ LABEL CAREFULLY BEFORE USING

This product must not be used for any purpose, or in any manner, contrary to the label unless authorised under appropriate legislation.

HAZARD STATEMENTS	
QUALIFIED PERSON: This product must be under the control of a Qualified Person or Contractor, as per Part 4C of the Hazardous Property Controls EPA Notice.	
TOXICITY Harmful – Harmful if swallowed, inhaled or absorbed through the skin. May cause damage to organs.	ECOTOXICITY Very toxic to aquatic life with long lasting effects. Avoid contamination of any water supply with chemical or empty container. Do not apply directly into or onto water. Very toxic to the soil environment. Selective herbicide – very toxic to some plant species. Decontaminate spray equipment before use on a sensitive crop. Beware - apply this product carefully. Spray drift may cause serious damage to desirable plants. Ensure compliance with any relevant regional air management plans. Do not allow spray drift over aquatic environments. Harmful to terrestrial vertebrates.

HANDLING PRECAUTIONS	
STORAGE Keep out of reach of children. Store in accordance with NZS 8409 Management of Agrichemicals. Store in original container tightly closed in a locked, dry, cool, well ventilated area away from foodstuffs, fertilisers and seeds. Stores containing 100L of ATRAFLO are subject to signage and secondary containment. More than 100L require emergency response plans.	EQUIPMENT Apply using well maintained and accurately calibrated equipment. Flush equipment thoroughly with clean water after use. RECORD KEEPING Records of use as described in NZS 8409 Management of Agrichemicals must be kept. DISPOSAL Triple rinse container and add rinsate to spray tank. Triple rinsed containers containing the Agrecovery logo on the label and that are free of all residues and have an intact legible label may be taken to an Agrecovery collection site for disposal. Otherwise crush or puncture and bury in an approved landfill. Do not burn container. Do not use container for any other purpose. Dispose of product only by using according to label directions or dispose of safely at a managed landfill.
PERSONAL PROTECTION Avoid contact with skin, eyes and inhalation do not inhale spray mist. Use only outdoors or in a well-ventilated area. When handling wear protective clothing such as waterproof gloves, eye protection, overalls and boots. Wash splashes of concentrate from skin and eyes immediately. Remove protective clothing and wash hands and face thoroughly before meals and after work. Do not eat, drink or smoke while using.	

FIRST AID
If medical advice is needed, have product container or label at hand. If swallowed, Rinse mouth. DO NOT induce vomiting. If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. Wash contaminated clothing before reuse. If splashed in eyes, wash out immediately with water. If inhaled, move the patient to fresh air immediately. Begin artificial respiration if breathing has stopped. For advice, contact the National Poisons Centre 0800 POISON (0800 764 766) or a doctor if you feel unwell."

SPILLAGE
In case of spillage, wear appropriate protective clothing and prevent material from entering waterways. Exclude non-essential people from the area. Contain liquid spills and absorb with inert material such as soil or sand and place in waste containers. Wash area with water and absorb with further inert material. Dispose of waste safely in an approved landfill.

EMERGENCY RESPONSE
In transport emergency call 111, Police or Fire Brigade. For 24hr specialist advice in an emergency only call 0800 CHEMCALL (0800 243 622) .

SAFETY DATA SHEET
If additional safety information is required, refer to the Safety Data Sheet. For a copy, contact the customer centre on 0800 100 123.

TRANSPORT
Do not carry this product on a passenger service vehicle.

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

WARRANTY AND LIMITATION
IMPORTANT: Read this notice before opening the container. The registrant warrants that when packed the active ingredient of this product is as specified on this label within accepted analytical tolerances. The registrant gives only those other warranties that are required by law in relation to this product and limits its liability to the cost paid by the claimant for the product. The registrant declines all liability for damage resulting from the handling, storage or use of this product. The user bears the risk from the handling, storage or use of this product. The registrant is not liable for any use of this product which is contrary to the label directions given or any Act or Regulation.

DIRECTIONS 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.			
Crop	Rate Per Hectare	Weeds Controlled	Critical Comments
Maize and sweetcorn	1.5-3.0L	Broadleaf: Amaranthus, black nightshade, fathen, redroot, willow weed and apple of Peru. Some fathen plants are resistant to atrazine. If those plants are present an alternative herbicide will be necessary for control.	Apply early post emergence to young actively growing seedling weeds up to 5cm high (within 7 days of sowing). Soil must be moist and a surfactant must be used. Shallow moulding 7-10 days after spraying to a depth of 3cm may improve weed control under dry conditions. Application can be as a band spray or as an overall spray at any stage of crop growth.
Established lucerne (At least one year old)	1.5-2.0L + 1.6-2.4L/ha Parable 250	Annual grasses and seedling broadleaf weeds such as shepherds purse, subterranean clover and storksbill.	The higher rate of ATRAFLO should only be used where storksbill is the predominant weed and has more than 4 true leaves. Stands should be closely grazed and application should be in winter when lucerne is completely dormant. DO NOT apply when frost is still on the ground or if the ground is excessively wet. Allow 4 - 5 days after grazing for weeds to recover before spraying.
Non crop situations	4.5L	Annual grasses and broadleaf weeds	Apply with a suitable knockdown herbicide such as Glyphosate in the spring when weeds are showing the first signs of growth.

GENERAL DIRECTIONS
ATRAFLO is absorbed through leaves and roots and inhibits photosynthesis. For the best results, emerged weeds should be young and actively growing. Take all reasonable steps to ensure that the substance does not cause any significant adverse effects to the environment beyond the application area.
APPLICATION Apply in 200-400L of water per hectare using conventional spray equipment. Maintain agitation during application. After application clean equipment thoroughly using water and flushing several times.
RESIDUAL For the best residual results, ensure the soil surface is moist and clod free.
MIXING Half fill the spray tank with water then add the ATRAFLO with constant agitation. When mixing with other chemicals, add the ATRAFLO first. When using with a surfactant, add the surfactant last.
COMPATIBILITY ATRAFLO is compatible with Glyphosate 540 and 360, Amitrole, Pasture Guard MCPA 750 and Parable 250. Check respective labels before using.

SPRAYER DECONTAMINATION
Always wash tank and flush equipment thoroughly with clean water after use. To avoid subsequent injury to sensitive crops, immediately after spraying thoroughly remove all traces of ATRAFLO from mixing and spraying equipment as follows:
1. Drain tank, then flush tank, booms and hoses with clean water. 2. Half fill the tank with clean water and add 125g of an alkali detergent per 100L of water. Circulate through the system for at least 15 minutes with agitation then drain. 3. Drain the whole system. 4. Nozzles and filters should be removed and cleaned separately. 5. Finally, rinse tank thoroughly with clean water, flush through hoses and boom and allow to drain.
SOIL RESIDUES Residue of ATRAFLO can adversely affect crops such as brassica's, beetroot, beans, cucurbits, lettuce and tomatoes. DO NOT plant crops other than maize or sweetcorn unless the area treated has been ploughed and thoroughly cross-cultivated. An indicator crop such as radishes can be used to show if residues remain.

RESISTANCE MANAGEMENT:
ATRAFLO contains atrazine, a GROUP B HERBICIDE from the triazine chemical group with the inhibition of photosynthesis at photosystem II mode of action. Naturally occurring weed biotypes resistant to atrazine and other triazine herbicides are known to exist. These become more prevalent after many years of continuous use of the product. Species with known resistant biotypes include fathen and willow weed. To prevent or delay development of resistant biotypes, use ATRAFLO in tank mixture or rotation with herbicides of a different mode of action against the weed. Consult www.resistance.nzpps.org/ for alternative modes of action and details of resistance management strategies (if any) for the crops listed on the label.
RAINFALL DO NOT apply if heavy rainfall is expected within three hours of application. Light rainfall will not affect results.
SURFACTANT The addition of a non-ionic surfactant such as Widespread 1000, is recommended in all situations where a knockdown is required. Refer to the label for rates.

Registered pursuant to the ACVM Act 1997, No.P7115. See www.foodsafety.govt.nz for registration conditions. Approved pursuant to the HSNO Act 1996, Code: HSRO00534. See www.epa.govt.nz for approval controls.

Agrecovery is available on plastic containers up to 60L and for plastic or steel large drums from 61L - 1000L.