

WARNING – KEEP OUT OF REACH OF CHILDREN. ECOTOXIC


ravensdown

HERBICIDE

GROUP 5

Terbaflo

For the control of broadleaf and grass weeds in forestry, established maize, lucerne, peas and sweetcorn. Also used as a non-selective, residual herbicide in non-crop areas

ACTIVE INGREDIENT:

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



Registrant: Ravensdown Ltd

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BATCH:

D.O.M:

NET CONTENTS
20 Litres

TERBAFLO | 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 CLASSIFICATION: 6.1E, 9.1A, 9.2A	
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 - May be harmful if swallowed, inhaled or absorbed through the skin.	ECOTOXICITY Very toxic to aquatic organisms. 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.

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 TERBAFLO 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 of spray mist. 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.	

DIRECTIONS FOR USE			
Situations	Weeds controlled	Rate/ha	Critical comments
Forestry; Pre-plant or bare rooted trees, radiata pine, douglas fir and eucalyptus species (fastigata & saligna)	Annual grasses, broadleaf weeds, browntop, catsear, chickweed, clovers, cocksfoot, nodding thistle, poa species, ryegrasses, scotch thistle, seedling gorse, sweet vernal	15-20L/150-300L of water	Apply to bare ground or vegetation no higher than 10cm before Spring growth starts in August/September.
		Spotgun: 110ml/1L of water	Apply 15-20ml of dilute spray per square metre.
		Knapsack: 55ml/1L of water	Apply 30-40ml of dilute spray per square metre. A wetting agent should be used for aerial application.
	Hard to kill perennial grasses, couch, kikuyu, mercer grass and paspalum	15-20L/150-300L of water	Use the higher rate for hard to kill species or late in the Spring season or where longer residual control is needed. The addition of an appropriate herbicide is recommended.
Lucerne (established)	Annual seedling weeds, barley grass, chickweed, dove's foot, kentucky bluegrass, shepherd's purse, storkbill, sub clover	1.5-2L/150-300L of water	Stands must be at least 2 years old. Use in a mix with 1.6-2.4L/ha of Parable 250. Lucerne must be completely dormant mid Winter preferably. Use the higher rate for clovers or where longer residual control is needed. Do not exceed the higher rate as lucerne yields may be affected.
Maize and sweetcorn (pre-emergence)	Annual broadleaf weeds, black nightshade, fathen* redroot and willow weed	3.6L/150-300L of water	Addition of an appropriate herbicide is needed to control grass weeds. Apply to a freshly worked seedbed after the crop has been sown but before the seedlings have emerged.
Maize and sweetcorn (post-emergence)		3L/200-300L of water	Apply to actively growing weeds. Weeds must be no larger than 5cm. Addition of an appropriate wetting agent should be made.
Peas	Annual broadleaf weeds	1.5-2L/200-300L of water	Use the higher rate for dry conditions. Apply to a freshly worked seedbed after the crop has been sown but before the seedlings have emerged.
Non cropland area	Non selective weed control	15-20L/150-300L of water	Use for long term residual control of a wide variety of broadleaf weeds and grasses for footpaths, roadsides, yards, storage and waste areas. An appropriate herbicide such as Glyphosate 360 may be needed to control deep-rooted perennial weeds.

* Some fathen plants can have resistance to Terbutylazine based products. The use of a recommended herbicide may be necessary for control.

FIRST AID
If medical advice is needed, have product container or label at hand. If swallowed, DO NOT induce vomiting. If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water for several minutes. 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.

GENERAL DIRECTIONS
Before opening, carefully read warning statement, precautions instructions, first aid instructions and directions for use. Take all reasonable steps to ensure that the substance does not cause any significant adverse effects to the environment beyond the application area.

APPLICATION
Spotgun and Knapsack: Refer to the directions for use table.

MIXING
Mix the required quantity in the spray tank partly filled with water and maintain agitation throughout filling and spraying. When mixing TERBAFLO and Parable 250, add the TERBAFLO to a partly filled spray tank and agitate. Then add the Parable with the remaining water, still maintaining agitation. CAUTION: any unused spray mixture may settle out overnight.

SURFACTANT
Use a surfactant for forestry, maize and sweetcorn at the manufacturers label rates.

COMPATIBILITY
TERBAFLO is compatible with most commonly used herbicides in forestry, lucerne, maize and sweetcorn.

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 TERBAFLO 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.

RESIDUAL EFFECTS
It is recommended not to spray TERBAFLO within the root zone of non-target desirable plants or where the chemical may leach or seep into the root zone. TERBAFLO can affect the following crops, therefore it is recommended to plough and cross-cultivate to aid dispersal of any remaining residues. It is not recommended to sow crops such as beans, brassicas, cucurbits, lettuce and tomatoes without prior advice from the supplier.

SANDY SOILS AND SILT LOAMS
Do not apply TERBAFLO to low organic matter soils.

WITHHOLDING PERIOD
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. Lucerne - 28 days

RAINFALL
PRE-EMERGENCE: For optimum results, TERBAFLO should be applied when raining or when rain is impending. A minimum of 10mm rainfall or irrigation where possible is ideal. POST-EMERGENCE: Do not apply TERBAFLO if rain is likely within 3 hours of spraying as this may impair the results. Although moisture is necessary to move Terbafo into the root zone of the target weeds, rain or irrigation after 3 hours is preferred.

RESISTANCE MANAGEMENT:
TERBAFLO contains terbutylazine, a GROUP 5 HERBICIDE from the triazine chemical group with the inhibition of photosynthesis at photosystem II mode of action. Naturally occurring weed biotypes resistant to terbutylazine 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 TERBAFLO 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.

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 which is contrary to the label directions given or any Act or Regulation.