

HARMFUL • ECOTOXIC

KEEP OUT OF REACH OF CHILDREN

Nufarm

RAMROD[®]

Flowable Herbicide



FREE RECYCLING



AGRECOVERY

www.agrecovery.co.nz

Active ingredient: 480g/litre propachlor in the form of a suspension concentrate. Also contains 91g/litre ethylene glycol.

Selective herbicide for pre-emergence weed control in maize, sweetcorn, onions, sorghum, soyabeans and transplanted cabbages and cauliflowers.



9 414614 056611 >

10 Litres

06-18/PS/A00566-10LNZ1.2
15340000-0618



Nufarm

Grow a better tomorrow

Ramrod®

HAZARD CLASSIFICATION: 6.1D, 6.3A, 6.5B, 6.6B, 6.7B, 6.9B, 9.1A, 9.2A, 9.3B

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

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

TOXICITY

• Harmful – may be harmful if swallowed, inhaled or absorbed through the skin. May cause skin irritation or sensitisation from prolonged skin contact. Suspected of causing heritable mutations in human cells. Limited evidence of a carcinogenic effect in animals. May cause liver and kidney damage from repeated oral exposure at high doses.

ECOTOXICITY

- Very toxic to aquatic organisms. Avoid contamination of any water supply with product or empty container.
- Selective herbicide – very toxic to some plant species. Do not allow drift to occur outside the target area.
- Toxic to terrestrial vertebrates.

HANDLING PRECAUTIONS**STORAGE**

- Store in original container tightly closed and in a locked, dry, cool area away from foodstuffs. Store in accordance with NZS 8409 Management of Agrichemicals.
- Stores containing 100 litres of Ramrod require secondary containment and signage, and more than 100 litres require emergency response plans.

PERSONAL PROTECTION

- Avoid contact with skin and eyes and inhalation of spray mist. Do not eat, drink or smoke while using. When mixing or applying wear impervious gloves, waterproof hat, overalls and boots. Wash splashes of concentrate from skin immediately. Remove protective clothing and wash hands and face thoroughly before meals and after work. Wash protective clothing daily after work.

EQUIPMENT

- Apply using well maintained and accurately calibrated equipment. Flush equipment thoroughly with clean water after use.

DISPOSAL

- Triple rinse empty container and add rinsate to the spray tank. Recycle empty container. Otherwise crush and bury in a suitable landfill.
- Dispose of product only by using according to the label, or at an appropriate landfill.

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. If splashed in eyes, wash out immediately with water.

Spillage: Wear appropriate protective clothing and prevent material from entering waterways. Absorb spills with inert material and place in waste containers. Wash area with water and absorb with further inert material. Dispose of waste safely in a suitable landfill.

Transport: Do not carry this product on a passenger service vehicle.

Record Keeping: Records of use as described in NZS 8409 Management of Agrichemicals must be kept if 3 litres or more of Ramrod is applied within 24 hours.

CONDITIONS OF SALE:**CAUTION: READ THIS NOTICE BEFORE OPENING THE CONTAINER**

If you open this container you will be deemed to have accepted the conditions below. The results from use of this product may be affected by factors beyond Nufarm's control, including mixing, use, climatic conditions, time of application, crop or crop stage and the possible development of resistance to the active ingredient, even though the product is reasonably fit for the purposes stated in this label, and even though label directions are followed. Nufarm will replace, free of charge, any product which is found to have a manufacturing defect. To the extent permitted by law, all other warranties, guarantees, representations and conditions, whether expressed or implied by law, trade, custom or otherwise are expressly excluded.

When you use this product, you agree that neither Nufarm Limited nor any manufacturer of any component of the product will be liable for any damage, injury or loss including consequential loss which arises in any way from the storage, handling, or use of the product. This exclusion of liability includes loss caused by negligent acts or omissions of Nufarm Limited or any supplier or manufacturer of the product or any of their employees and agents.

Registered pursuant to the ACVM Act 1997, No. P3685.

See www.foodsafety.govt.nz for registration conditions.

Approved pursuant to the HSN0 Act 1996, Approval Code HSR000382.

See www.epa.govt.nz for approval controls.

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™ Nu-Trazine is a trademark of Nufarm Limited.

Marketed by:

Nufarm Limited,
6 Manu Street, Otahuhu, Auckland, NZ
Telephone 0-9-270 4157

Nufarm Emergency Phonenumber: 0800 651 911 toll free 24 hours

Batch No.:

D.O.M.:

PROPER SHIPPING NAME	CLASS	UN No.	HAZCHEM	PG
ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N. O. S. (contains propachlor 48%)	9	3082	2X	III

GENERAL INFORMATION

Ramrod is recommended for use as a pre-emergence herbicide to control annual grasses and certain broadleaf weeds. It should be applied to the soil surface prior to weed emergence. The soil should be fine, firm, moist and free of clods and trash. 13mm of moisture either as rain or irrigation is required within 7-10 days after application to activate Ramrod – generally lower amounts of moisture are required where soil moisture is high at time of planting.

Ramrod does not require mechanical incorporation.

Ramrod dissipates in the soil leaving no residue to affect subsequent crops.

Note: Use of Ramrod in any manner not consistent with label directions can result in serious crop injury.

Resistant Weeds Warning: Resistance to this herbicide could develop from excessive use. Ramrod is a member of the chloroacetamides group of herbicides and contains a **GROUP K3 HERBICIDE**. Ramrod has the inhibition of cell division mode of action. Some naturally occurring weed biotypes resistant to Group K3 Herbicides may exist in the weed population. The resistant individuals may eventually dominate the population if these herbicides are used repeatedly. To minimise this risk use strictly in accordance with label instructions and resistance management strategies at <http://www.nzpps.org/resistance>.

WEEDS CONTROLLED

Susceptible:

Annual poa, barnyard grass (*Echinochloa crus-galli*), broomcorm millet (*Panicum* spp.), chickweed (*Stellaria media*), groundsel (*Senecio vulgaris*), smooth witchgrass, summer grass (*Digitaria sanguinalis*), witchgrass.

Moderately susceptible:

Fathen (*Chenopodium album*)*, redroot (*Amaranthus hybridus*)*

*Controlled only at 13.5 L/ha.

Ramrod will not control perennial weeds.

EQUIPMENT AND MIXING INSTRUCTIONS

Invert container and shake well before use. Fill the spray tank with one-half the required amount of clean water and add the correct amount of Ramrod. Mix well and add the remaining portion of water with the agitator operating. Maintain agitation before and during spraying. Keep the bypass line on or near bottom of the tank to minimise foaming. Screen size in nozzle or line strainers should be no finer than 300 micrometers. Do not exceed pressure of 200 kPa. Flush equipment with clean water after use.

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.

Use the low rate on light soils; the high rate on heavy soils, or where heavy infestations of broadleaf weeds are expected. Do not use on peaty type soils. Do not apply in winds above 15 km/hr.

Direct Seeded Onions: Broadcast (over-all treatment). Apply 11 to 13.5 litres of Ramrod in 220 or more litres of water per hectare **after** sowing and **before** emergence of the crop and weeds.

Established Onions: Apply 11 to 13.5 litres of Ramrod in 220 litres of water per hectare at 6 to 8 weeks after the pre-emergence treatment or when the onions have reached the early 3 leaf stage. Ramrod should be applied only to a weed free surface. After a further 7 to 8 weeks a third application of Ramrod may be made to give season long weed control.

Maize and Sweetcorn: Broadcast (over-all treatment). Apply 11 to 13.5 litres of Ramrod in 220 litres of water per hectare immediately after planting and prior to crop and weed emergence.

Band Treatment: Apply immediately behind the press wheel 11 to 13.5 litres of Ramrod in 220 litres of water per sprayed hectare in a band 35cm wide. A smooth firm seed-bed free of clods and trash is essential and this may be best achieved by mounting a “V” shaped grader to remove the clods ahead of the press wheel. If willow weed is expected apply Ramrod at 9.5 litres per hectare in tank mixture with Nu-Trazine™ 900DF at 1.6 kg per hectare. Apply pre-emergent to the weeds.

Mixing Ramrod/atrazine: Add the Ramrod to a partly filled spray tank while agitator is operating. Prepare a Nu-Trazine 900DF slurry by mixing the correct amount with a small amount of water. Add to the spray tank and mix well. Add the remaining portion of water. Apply within 7 days of sowing.

Cabbage and Cauliflowers (transplants): Broadcast (over-all treatment). Apply 11 to 13.5 litres of Ramrod in 220 litres of water per hectare.

Sorghum and Soybeans: Apply as a band treatment as for maize and sweetcorn. (Do not tank mix with atrazine on sorghum and soybeans.)