

Product Name: NUFARM RAMROD HERBICIDE
APVMA Approval No: 57018 / 143062



Label Name:	NUFARM RAMROD HERBICIDE
-------------	-------------------------

Signal Headings:	POISON KEEP OUT OF REACH OF CHILDREN READ SAFETY DIRECTIONS BEFORE OPENING OR USING
------------------	---

Constituent Statements:	ACTIVE CONSTITUENT: 480 g/L PROPACHLOR
-------------------------	--

Mode of Action:	GROUP 15 HERBICIDE
-----------------	--------------------

Statement of Claims:	For the control of annual grasses and certain broadleaf weeds in sorghum and selected vegetable crops as per the DIRECTIONS FOR USE.
----------------------	--

Net Contents:	10 L
---------------	------

Restraints:	SPRAY DRIFT RESTRAINTS Specific definitions for terms used in this section of the label can be found at apvma.gov.au/spraydrift DO NOT allow bystanders to come into contact with the spray cloud. DO NOT apply in a manner that may cause an unacceptable impact to native vegetation, agricultural crops, landscaped gardens and aquaculture production, or cause contamination of plant or livestock commodities, outside the application site from spray drift. Wherever possible, correctly use application equipment designed to reduce spray drift and apply when the wind direction is away from these sensitive areas. DO NOT apply unless the wind speed is between 3 and 20 kilometres per hour at the application site during the time of application. DO NOT apply if there are hazardous surface temperature inversion conditions present at the application site during the time of application. Surface temperature inversion conditions exist most evenings one to two hours before sunset and persist until one to two hours after sunrise.
-------------	--

Directions for Use:	This section contains file attachment.
---------------------	--

Other Limitations:	
--------------------	--

Withholding Periods:	WITHHOLDING PERIOD: NOT REQUIRED WHEN USED AS DIRECTED.
----------------------	---

Trade Advice:	
---------------	--

General Instructions:	<p>GENERAL INSTRUCTIONS</p> <p>Mixing and Spraying Equipment</p> <p>Shake the closed Nufarm Ramrod® container.</p> <p>Half fill the spray tank with clean water and start agitation. Whilst filling the remainder of the spray tank, add the required amount of Nufarm Ramrod®. MAINTAIN GOOD AGITATION AT ALL TIMES until the contents of the spray tank are sprayed, otherwise settling which can lead to clogging, may occur. Screen size in nozzle or line strainers should be no finer than 50 mesh. Apply in a volume of at least 200 L/ha water. DO NOT leave the spray mix in the sprayer overnight.</p> <p>Application</p> <p>Apply to the soil surface prior to weed or seedling crop emergence. Application should be made within a few days after the last tillage otherwise germinating weeds will not be controlled. The soil surface should be fine, firm and free of clods and trash.</p> <p>DO NOT apply when winds are gusty or above 25 km/hour or in any conditions which favour drift.</p> <p>Moisture Requirements</p> <p>Some moisture, either as rain or overhead sprinkler irrigation, is required soon after application to activate the product. On light, sandy soils 7 mm rainfall is required; heavy rainfall on open sandy soil reduces persistence. On heavy clay and/or high organic soils 7-18 mm rainfall is required, depending on soil moisture at the time of application.</p> <p>Best results are obtained when moisture occurs within 10 days after application. Generally, lower rainfall is required when soil moisture is high at time of planting. Insufficient rainfall may allow grass seedlings to emerge, but they will be severely stunted and may be controlled by cultivation.</p> <p>Cultivation</p> <p>Harrowing or rotary hoeing after application may displace the product and reduce effectiveness. If soil crusting becomes a problem and hoeing is necessary, hoe in the same direction as the rows are planted.</p> <p>With broadcast treatment, as long as the product is controlling the grasses and weeds, there is no need for cultivation in most soil types. With band application, delay cultivation until grasses and weeds between rows are 7-10 cm high. Shields should not be used to prevent excessive soil coverage of crop plants.</p> <p>NOTE: Use of this product in any manner not consistent with this label may result in injury to persons, animals or crops, or other unintended consequences.</p>
-----------------------	--

Resistance Warning:	RESISTANT WEEDS WARNING GROUP 15 HERBICIDE
---------------------	---

Nufarm Ramrod® Herbicide is a member of the chloroacetamide group of herbicides. This product has the inhibitors of cell division/ inhibitors of very long chain fatty acids (VLCFA inhibitors) mode of action. For weed resistance management the product is a Group 15 herbicide. Some naturally occurring weed biotypes resistant to Nufarm Ramrod® and other Group 15 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 Nufarm Ramrod® or other Group 15 herbicides. Since the occurrence of resistant weeds is difficult to detect prior to use, Nufarm Australia Limited accepts no liability for any losses that may result from the failure of this product to control resistant weeds.

Precautions:

Protections:	<p>PROTECTION OF CROPS, NATIVE AND OTHER NON-TARGET PLANTS DO NOT apply under weather conditions, or from spraying equipment, that may cause spray to drift onto nearby susceptible plants/crops, cropping lands or pastures.</p> <p>PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT Dangerous to fish. DO NOT contaminate streams, rivers or watercourses with the chemical or used container.</p>
---------------------	---

Storage and Disposal:	<p>STORAGE AND DISPOSAL Store in the closed, original container in a cool, well-ventilated area. DO NOT store for prolonged periods in direct sunlight. Triple rinse containers before disposal. Add rinsings to spray tank. DO NOT dispose of undiluted chemicals on site. If recycling, replace cap and return clean containers to recycler or designated collection point. If not recycling, break, crush or puncture and deliver empty packaging to an approved waste management facility. If an approved waste management facility is not available, bury empty packaging 500 mm below the surface in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots, in compliance with relevant local, state or territory government regulations. DO NOT burn empty containers or product.</p>
------------------------------	--

Safety Directions:	<p>SAFETY DIRECTIONS Poisonous if swallowed. Attacks eyes and skin. Repeated exposure may cause allergic disorders. Sensitive workers should use protective clothing. DO NOT inhale spray mist. When preparing spray and using the product, wear cotton overalls, buttoned to the neck and wrist, washable hat, elbow-length PVC gloves and face shield. If clothing becomes contaminated with product or wet with spray, remove clothing immediately. If product on skin, immediately wash area with soap and water. If product in eyes, wash it out immediately with water. After use and before eating, drinking or smoking, wash hands, arms and face thoroughly with soap and water. After each day's use, wash gloves, face shield and contaminated clothing.</p>
---------------------------	--

First Aid Instructions:	<p>FIRST AID If poisoning occurs, contact a Doctor or Poisons Information Centre. Phone Australia 13 11 26, New Zealand 0800 764 766.</p>
--------------------------------	--

First Aid Warnings:	
----------------------------	--

Directions for Use

FOR ALL STATES

CROP	WEEDS CONTROLLED	RATE	CRITICAL COMMENTS
Maize, Sorghum, Sweetcorn	Annual ryegrass Barnyard grass Blue and Red pimpernel Chickweed Course and Swamp club-rush Crowsfoot grass Dead nettle Fat hen Fleabane Green and Pale pigeon grass (Foxtail grass in Tas) Hairy centrolepis Liverseed grass Milk thistle Mouse-ear chickweed Prince of Wales feather Cudweeds Shepherd's purse Stinging nettle Summer grass Toad rush Winter grass White clover Potato weed (Yellow weed)	9 L/ha 12 L/ha	Apply as a surface spray immediately after seeding or transplanting in a volume of at least 200 L/ha water. Rainfall or overhead irrigation is required as soon as possible after application. Refer to "General Instructions" for details. For Onions, treatment with other herbicides (post emergence) will be required later in the crop to maintain weed control to harvest. In Tas only, for Broccoli, Brussel sprouts, Cabbage, Cauliflower and Onions, apply 12 – 15 L/ha. Use the lower rate on light to medium soils. Increase to the high rate on heavy textured soils.
DIRECT SEEDED - Onions			
TRANSPLANTED - Broccoli Brussel Sprouts Cabbages Cauliflower Chinese cabbage			
TRANSPLANTED - Broccoli Cabbages Cauliflower	As above plus Bittercress Bladder ketmia Pigweed Prickly lettuce Wireweed	9 L/ha plus 1.5 - 1.9 L/ha Nufarm Pendimethalin 440	Apply with Nufarm Pendimethalin 440 prior to transplanting, as per the label. Nufarm Ramrod® may be tank mixed with Nufarm Pendimethalin 440 or applied separately after transplanting.
Beetroot	Potato weed (Yellow weed)	3 - 3.8 L/ha	Use the lower rate on light to medium textured soils. Increase to the high rate on heavy textured soils.

**NOT TO BE USED FOR ANY PURPOSE, OR IN ANY MANNER, CONTRARY TO THIS LABEL UNLESS
AUTHORISED UNDER APPROPRIATE LEGISLATION**