

DANGEROUS POISON

KEEP OUT OF REACH OF CHILDREN
READ SAFETY DIRECTIONS BEFORE OPENING OR USING

Nufarm **Molinate 960**

Herbicide

ACTIVE CONSTITUENT: 960 g/L MOLINATE

GROUP **E** HERBICIDE

Post-emergence herbicide for the control
of grass weeds in rice.

Contents: 20 Litres
200 Litres
1000 Litres

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DIRECTIONS FOR USE**RESTRAINTS**

DO NOT spray if rain is likely within 5 hours.

DO NOT spray if weeds are wilted by dry or cold weather or if crop is at susceptible stage.

Under very cold conditions **DO NOT** apply permanent water too early as crop may be drowned. A proportion of the first leaf must show above the water.

Situation and Crop	Weeds Controlled	State	Rate - Ground application	Rate - Aerial application	Critical Comments
Rice DRY BAYS	Barnyard Grasses (<i>Echinochloa spp.</i>)	NSW, Vic only	3.75 L/ha in 200 L water	3.75 L/ha in 20-100 L water	Apply when weeds and crop in 1-4 leaf stage or 5-10 cm high. The rice crop must be capable of withstanding permanent water. <ul style="list-style-type: none"> • Soil surface must be dry at spraying • If rice should be endangered by permanent water leave at least 2 days before draining off. DO NOT allow ground to dry out. Re-apply permanent water as soon as possible.
	Silver Top Grass (<i>Diplachne fusca</i>)				Apply to weeds in seedling to 2 leaf stage only. Otherwise as for Barnyard Grass.
Rice PERMANENT WATER	Combine sown, sod seeded and aerial sown rice	NSW only	3.75 L in 5-10 L total volume (with water) as SCWIIRT by ground or helicopter	3.75 L in minimum 20 L water	Apply when Barnyard Grass is in the 1-4 leaf stage and Silver Top Grass is up to the two leaf stage. Weeds are usually 5-10 cm high. NO MORE than one-third plant bulk should be above water at spraying nor should more than one-third of the bay be covered by these plants. DO NOT allow movement of water through bays for 2 hours before spraying. ALLOW ONLY MINIMUM water movement through bays for 3 days after application. After this time normal water coverage should be maintained. SCWIIRT method - apply by dripper applicator direct to the flood water of permanently flooded bays by tractor, 4WD motorbike or helicopter. Refer to General Instructions for application details.
	Barnyard Grasses (<i>Echinochloa spp.</i>) (1 to 4 leaf stage)				
	Silver Top Grass (<i>Diplachne fusca</i>) (0 to 2 leaf stage)				
	Barnyard Grasses (<i>Echinochloa spp.</i>) (0 to 2 leaf stage)		2.5 L in 5-10 L total volume (with water) as SCWIIRT by ground or helicopter	2.5 L in minimum 20 L water	Coverage of the rice field with permanent water must be maintained after spraying. Water movement to and through bays should cease 2 hours before application. Minimum water movement should be maintained for 3 days after application. After this time normal water coverage should be maintained.
	5 leaf to early tillering stage		Not applicable	5.2 L in minimum 20 L water	Salvage control: Good water coverage after spray application will assist in weed suppression. Avoid spray overlap as some crop injury may occur.
Rice AERIAL SOWN COMBINE AND SOD SOWN CROPS ONLY Application to inflowing water	Barnyard Grasses (<i>Echinochloa spp.</i>) (1 to 4 leaf stage) Silver Top Grass (<i>Diplachne fusca</i>) (0 to 2 leaf stage)	NSW only	3.75 L/ha undiluted with permanent water	Not applicable	Apply to wet or dry bays using a constant head syphon to meter undiluted product into the inflowing water at initial flooding. Ensure depth of water after treatment is sufficient to maintain coverage of Barnyard Grass and entire soil surface for 3 days after application. Minimum water movement should occur during this period after which depth should be restored to cover Barnyard Grass.

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

WITHHOLDING PERIOD: NOT REQUIRED WHEN USED AS DIRECTED.

GENERAL INSTRUCTIONS

Before opening, carefully read Directions For Use, Precautionary Statements, Safety Directions and First Aid Instructions.

MIXING

The required amount should be mixed thoroughly with a small amount of water before adding the full quantity of water to the spray tank. If tank mixing with wettable powders or water dispersible granules add these first, add liquid suspensions (ie. flowables) next and add Molinate last. Maintain good agitation at all times until spraying is completed. If the mixture is allowed to stand for any time re-agitate to thoroughly mix.

AIRCRAFT APPLICATION

After seeding check Barnyard Grass infestation and if necessary spray with this product, which may be applied to surface of permanent water. The chemical acts on stem of grass at the soil surface as the chemical mixes with the water. Spray nozzles should be coarse droplet size. Do not use CDA equipment. Total liquid volume/ha should be 20-100 L.

SCWIIRT APPLICATION TO PERMANENT WATER

Apply by tractor, 4 wheel agricultural motorbike or Helicopter. Apply to flood water from pre-sowing up to the 4 leaf stage of barnyard grass. Dilute the required amount of Molinate in water (total volume of 5 to 10 Litres/ha) and apply to flooded bay at a distance of 20 to 30 metres between runs. Position dripper nozzles no more than 50 cm from the water surface and maintain pressure at or below 200 kPa (30 PSI or 2 bar). Control of advanced barnyard grass by SCWIIRT may not be satisfactory where excess vegetation impedes re-distribution of Molinate in water.

RESISTANT WEEDS WARNING**GROUP E HERBICIDE**

Nufarm Molinate 960 Herbicide is a member of the Thiocarbamates group of herbicides. The product has the inhibitors of mitosis mode of action. For weed resistance management, the product is a Group E Herbicide.

Some naturally-occurring weed biotypes resistant to the product and other Group E 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 this product or other Group E herbicides.

Since the occurrence of resistant weeds is difficult to detect prior to use, Nufarm Australia Limited accepts no liability to any losses that may result from the failure of this product to control resistant weeds.

PROTECTION OF CROPS, NATIVE AND OTHER NON-TARGET PLANTS

DO NOT exceed rates specified to avoid crop damage. DO NOT apply under weather conditions or from spraying equipment that may cause spray to drift onto nearby susceptible plants/crops such as prunes, almonds, cotton, oats, ryegrass and sorghum, cropping lands or pastures.

PROTECTION OF WILDLIFE, FISH, CRUSTACEA AND ENVIRONMENT

DO NOT contaminate streams, rivers or waterways with the chemical or used containers.

STORAGE AND DISPOSAL

Store in the closed, original container in a cool well-ventilated area. DO NOT store for prolonged periods in direct sunlight. Store in a locked room or place away from children, animals, food, feedstuffs, seed and fertilisers.

Triple or preferably pressure 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 bury empty containers in a local authority landfill. If no landfill is available, bury the containers below 500 mm in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots. Empty containers and product should NOT be burnt.

Refillable containers:

Empty contents fully into application equipment. Close all valves and return to point of supply for refill or storage.

SAFETY DIRECTIONS

May irritate the eyes and skin. Avoid contact with eyes and skin. DO NOT inhale spray mist. When preparing spray and using the prepared spray wear elbow-length PVC gloves. If product on skin immediately wash area with soap and 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 and contaminated clothing.

FIRST AID

If poisoning occurs, contact a Doctor or Poisons Information Centre. Phone Australia 13 11 26.

MATERIAL SAFETY DATA SHEET

For further information refer to the Material Safety Data Sheet (MSDS).

CONDITIONS OF SALE

"Nufarm Australia Limited ('Nufarm') shall not be liable for any loss injury damage or death whether consequential or otherwise whatsoever or howsoever arising whether through negligence or otherwise in connection with the sale supply use or application of this product. The supply of this product is on the express condition that the purchaser does not rely on Nufarm's skill or judgment in purchasing or using the same and every person dealing with this product does so at his own risk absolutely. No representative of Nufarm has any authority to add to or alter these conditions."

APVMA Approval No: 31806/20L/0405

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In case of emergency: Phone 1800 033 498

Ask for shift supervisor. Toll free 24 hours.

Batch No:

Date of Manufacture:

DrumMuster Logo

Barcode