

## POISON

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

# Nufarm Bromicide<sup>®</sup> MA

## Selective Herbicide

Active constituent: 200 g/L BROMOXYNIL  
present as the n-octanoyl ester  
200 g/L MCPA present as the ethyl hexyl ester  
Solvent: 343 g/L LIQUID HYDROCARBON

GROUP **CI** HERBICIDE

For the control of weeds in wheat, oats, barley, cereal rye,  
triticale, linseed, grass pastures and turf as per  
the Directions For Use table.

Contents: 5 Litres  
20 Litres  
110 Litres  
200 Litres  
1000 Litres

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**DIRECTION FOR USE**

**RESTRAINTS**

**DO NOT** spray if weeds are wilted by dry or cold weather or if crops are at a susceptible stage, or if rain is likely within 4 hours.

**DO NOT** apply if frosts are imminent.

**DO NOT** apply to diseased or frost affected crops or turf.

Situation & Crop	Weeds Controlled	Weed Stage	State	Rate/ha	Critical Comments
Wheat, Barley, Cereal Rye, Oats and Triticale; Linseed; Grass Pastures	Amsinckia ( <i>Amsinckia</i> spp.), Capeweed ( <i>Arctotheca calendula</i> ), Chamomile ( <i>Matricaria matricarioides</i> ), Charlock ( <i>Sinapis arvensis</i> ), Corn Gromwell (Ironweed, Sheepweed) ( <i>Buglossoides arvensis</i> ), Fat Hen ( <i>Chenopodium album</i> ), Field Madder ( <i>Sherardia arvensis</i> ), Hexham Scent (King Island Melilot) ( <i>Melilotus indica</i> ), Horned Poppy ( <i>Glaucium flavum</i> ), Indian Hedge Mustard ( <i>Sisymbrium orientale</i> ), Lesser Swinecress ( <i>Coronopus didymus</i> ), Mexican Poppy ( <i>Argemone ochroleuca</i> ), Mintweed ( <i>Salvia reflexa</i> ), Paterson's Curse (Salvation Jane) ( <i>Echium plantagineum</i> ), Rough Poppy ( <i>Papaver hybridum</i> ), Saffron Thistle ( <i>Carthamus lanatus</i> ), Shepherd's Purse ( <i>Capsella bursa-pastoris</i> ), Slender Thistles ( <i>Carduus tenuiflorus</i> , <i>C. pycnocephalus</i> ), Tree Hogweed ( <i>Polygonum patulum</i> ), Turnip Weed (Giant Mustard) ( <i>Rapistrum rugosum</i> ), Wild Radish ( <i>Raphanus raphanistrum</i> ), Wild Turnip ( <i>Brassica tournefortii</i> )	Plants up to the 6 leaf stage but not more than 50 mm in diameter	WA only	750 mL	<p><b>CROP STAGE:</b> <b>Wheat, Barley, Cereal Rye, Oats and Triticale:</b> 3 leaf to fully tillered stage (Zadok Scale Z13-30) for rates of 750mL to 1.4L/ha; 5 leaf to fully tillered stage (Z15-30) for rate of 2.0 L/ha (NSW, ACT, Vic, SA, WA, Tas only); or early tillering to fully tillered stage (Z21-30) (Qld only). <b>Linseed:</b> 50 to 150mm high. DO NOT apply to linseed by aircraft.</p> <p>* If spraying Black Bindweed when wheat, barley, cereal rye, oats, triticale or linseed is more than 300mm high, increased spray volume to 200 L/ha.</p> <p>For optimal control, apply only when the weeds are actively growing.</p> <p>In the early stages following spraying, temporary wilting of crop and pasture may occur.</p> <p>Crop scorch may occur, particularly on oats if treatment is delayed to later stages of growth. Refer to the General Instructions.</p> <p>Avoid application when maximum daily temperatures above 20° C occur, or are likely to occur for a few days after application. DO NOT apply to crops or pastures undersown with lucerne, clover or medics unless some damage is acceptable.</p>
		Plants up to the 8 leaf stage but not more than 75 mm in diameter.	Qld, NSW, Vic, Tas, SA, NT, ACT only	1.4 L/ha	
	WA only		2.0L/ha		
	Black Bindweed* (Climbing Buckwheat) ( <i>Fallopia convolvulus</i> ), Common Peppergrass ( <i>Lepidium africanum</i> ), Mustards ( <i>Sisymbrium</i> spp.), Purple Calandrinia ( <i>Calandrinia menziesii</i> )	Plants up to the 4 leaf stage but not more than 35mm in diameter.	All States	1.0 L/ha	
		Plants up to the 6 leaf stage but not more than 50mm in diameter		1.4 L/ha	
	Plants up to the 8 leaf stage but not more than 75mm in diameter.	2.0 L/ha			

**DIRECTION FOR USE (CONT)**

Situation & Crop	Weeds Controlled	Weed Stage	State	Rate/ha	Critical Comments
Wheat, Barley, Cereal Rye, Oats and Triticale; Linseed; Grass Pastures	Fumitory ( <i>Fumaria</i> spp.), Threecornered Jack (Doublegee, Spiny Emex) ( <i>Emex australis</i> )	Plants up to the 3 leaf stage but not more than 50 mm in diameter	Qld, NSW, ACT, Vic, Tas, SA only	1.4 L/ha	<p><b>CROP STAGE:</b> Wheat, Barley, Cereal Rye, Oats and Triticale: 3 leaf to fully tillered stage (Zadok Scale Z13-30) for rates of 750mL to 1.4L/ha; 5 leaf to fully tillered stage (Z15-30) for rate of 2.0 L/ha (NSW, ACT, Vic, SA, WA, Tas only); or early tillering to fully tillered stage (Z21-30) (Qld only). <b>Linseed:</b> 50 to 150mm high. DO NOT apply to linseed by aircraft.</p> <p>For optimal control, apply only when the weeds are actively growing.</p> <p>In the early stages following spraying, temporary wilting of crop and pasture may occur.</p> <p>Crop scorch may occur, particularly on oats if treatment is delayed to later stages of growth. Refer to the General Instructions.</p> <p>Avoid application when maximum daily temperatures above 20°C occur, or are likely to occur for a few days after application. DO NOT apply to crops or pastures undersown with lucerne, clover or medics unless some damage is acceptable.</p> <p>**Where Wireweed (Hogweed) occurs in red soils of low fertility, it has been found to be less susceptible. In these circumstances use 2.0L/ha.</p>
		Plants up to the 4 leaf stage but not more than 60 mm in diameter	WA only	750 mL/ha	
		Plants up to the 5 leaf stage but not more than 75 mm in diameter	Qld, NSW, Vic, Tas, SA, NT ACT only	2.0 L/ha	
		Plants up to the 6 leaf stage but not more than 85 mm in diameter	WA only	1.4 L/ha	
	Variegated Thistle ( <i>Silybum marianum</i> ) Wireweed (Hogweed)** ( <i>Polygonum aviculare</i> )	Plants up to the 4 leaf stage but not more than 35 mm in diameter	Qld, NSW, Vic, Tas, SA, NT ACT only	750 mL/ha	
				1.4 L/ha	
		Plants up to the 6 leaf stage but not more than 50 mm in diameter	WA only	2.0 L/ha	
				1.4 L/ha	
	Mountain Sorrel ( <i>Oxalis acetosella</i> ) Three-horned Bedstraw ( <i>Galium tricomutum</i> )	Plants up to the 6 leaf stage		750 mL/ha	
		Plants up to the 8 leaf stage		1.4 L/ha	
	Cleavers ( <i>Galium aparine</i> )	2-4 stem stage and 1-3 whorls of leaves per stem		750 mL/ha	

**DIRECTION FOR USE (CONT)**

Situation & Crop	Weeds Controlled	Weed Stage	State	Rate/ha	Critical Comments
Wheat, Barley, Cereal Rye, Oats, Triticale	Common Sowthistle ( <i>Sonchus oleraceus</i> )				Apply under good growing conditions. Avoid spraying when soil is dry. Do not spray under frosty conditions. In early stages following spraying, temporary wilting of crop may occur. Avoid application when maximum daily temperatures above 20°C or are likely to occur for a few days after application. DO NOT apply to crops undersown with lucerne, clover or medics unless some damage is acceptable.
		Up to 4 leaves	Northern NSW and Qld only	1.4 L	<b>Crop stages:</b> Wheat, Barley, Oats, Triticale: - 3 leaf to full tillering (Z13-Z30). Use as early as possible to avoid shading of weeds by the crop. Strictly for use on small weeds early in crop before shading out. If Group B resistance is suspected, or weeds have grown through a previous application of chlorsulfuron apply 2.1 L/ha. Use a minimum spray volume of 70 L/ha
		4 to 8 leaves		2.1 L	Crop stages: Wheat, Barley, Oats and Triticale: - 3 leaf to full tillering. (Z13-Z30). Use as early as possible to avoid shading of weeds by the crop.
Turf, established Couch (incl. Queensland Blue), Kikuyu, Paspalum, Buffalo, Fescue, Bent & Rye lawns	Bindy-eye, Jo-Jo (Onehunga), Cudweed, Dandelion, Catsear, Plantains, Thistles, Oxalis, Capeweed, Creeping Buttercup, Fleabane, Clover (not Tas.)	-	All States	300 mL/ 100 L water OR 60 mL/ 100m <sup>2</sup>	Apply evenly over the area to be treated. Do not mow turf for 2 days after treatment.

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

**WITHHOLDING PERIOD: DO NOT HARVEST, GRAZE OR CUT FOR STOCK FOOD FOR 14 DAYS AFTER APPLICATION.**

### **GENERAL INSTRUCTIONS:**

Before opening, carefully read Directions for Use, Precautionary and Protection Statements, Storage and Disposal, Safety Directions and First Aid Instructions.

### **MIXING**

To ensure even mixing, half fill spray tank with clean water and add the required amount of this product. Agitate thoroughly, then add the remainder of water. Agitate again before spraying commences.

### **APPLICATION**

DO NOT use rain-drop or air-induction nozzles as coverage of weeds may not be adequate.

**Boom Sprayer:** Calibrate the machine before use to ensure that the correct application rate is obtained. Check height of boom above the crop to ensure that the spray is evenly distributed.

**Cereals:** Apply 50 to 200 litres of water per hectare. Use higher water volume (min. 100L/ha) where the weed infestation is heavy, the crop cover is dense or when tank-mixing with Nugrass®500. Complete coverage of weeds is essential.

**Linseed:** Apply a minimum of 220 Litres of water per hectare.

**Turf:** Apply a minimum of 500 Litres of water per hectare.

**Aerial Application:** Apply a minimum of 22 Litres of water per hectare or 30 litres of water per hectare if tank-mixing with Nugrass®500. Markers should always move upwind before aircraft passes overhead. Application by microneaire equipment may give variable results.

### **EQUIPMENT MAINTENANCE**

After use wash application equipment thoroughly with Spraymate Tank & Equipment Cleaner and rinse several times.

### **COMPATIBILITY**

This product is physically compatible in the spray tank with one of the following herbicides or insecticides in wheat and barley only.

Associate®, Nugrass®500, Kamba®500, MCPA, Dimethoate, Omethoate, Endosulfan or Chlorpyrifos. When mixed with Associate or Kamba®500, do not apply to cereals undersown with lucerne. When mixed with Nugrass®500, do not exceed 1.4 litres of this product per hectare. Observe all instructions on the mixture partner label. As formulations of other manufactures' products are beyond the control of Nufarm Australia Limited, all mixtures should be tested prior to mixing commercial quantities.

### **RESISTANT WEEDS WARNING**

Bromicide MA Selective Herbicide (Bromicide MA) is a member of both the nitriles and the phenoxy groups of herbicides. Bromicide MA has both the inhibitors of photosynthesis at photosystem II and disruptors of plant cell growth mode of action. For weed resistance management Bromicide MA is a Group C and Group I Herbicide.

Some naturally-occurring weed biotypes resistant to Bromicide MA and other Group C and Group I 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 C and Group I 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 Bromicide MA to control resistant weeds.

### **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. Avoid spray drift and vapour movement onto susceptible crops such as cotton, tobacco, tomatoes, vines, lupins, fruit trees and ornamentals. Do not apply by misting machines.

**Note:** Maximum daily temperatures at or above 20°C at application, or on days following treatment, may result in seedling mortality and established plants may be damaged.

### **PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT**

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

### **PROTECTION OF LIVESTOCK**

#### *Grazing Precaution*

Sprayed weeds may become more palatable to stock and a higher intake of some weeds may result in stock poisoning and death from causes such as nitrate poisoning. Care should be taken especially where capeweed, Paterson's curse and variegated thistles predominate in the pasture. Avoid grazing with young or breeding stock. Do not graze horses or pigs on Paterson's curse. If in doubt, contact your nearest Department of Agriculture.

### **STORAGE AND DISPOSAL (5L, 20L, 200L only)**

Store in closed, original container in a cool, well-ventilated area. Do not store for prolonged periods in direct sunlight. 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 (1000 L only):***

Store in the closed, original container in a cool, well-ventilated area. Do not store for prolonged periods in direct sunlight. Empty contents fully into application equipment. Close all valves and return to point of supply for refill or storage.

***Envirodrum 110 L Mini Bulk Returnable Container***

Store the original sealed Envirodrum in a cool, well ventilated area. Do not store for prolonged periods in direct sunlight. Do not tamper with the Micro Matic valve or the security seal. Do not contaminate the Envirodrum with water or any other foreign matter. After each use of the product, please ensure that the Micro Matic coupler, delivery system and hoses are disconnected, triple rinsed with clean water and drained accordingly. When the contents of the Envirodrum have been used, please return the empty Envirodrum to the point of purchase. The Envirodrum remains the property of Nufarm Australia Limited.

**SAFETY DIRECTIONS**

Product is poisonous if inhaled or swallowed. Attacks the eyes and will irritate the skin. Avoid contact with eyes and skin. Do not inhale spray mist. When preparing the spray and using the prepared spray wear cotton overalls buttoned to the neck and wrist, a washable hat and elbow-length PVC gloves and face shield or goggles. 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 or goggles and contaminated clothing.

**FIRST AID**

If poisoning occurs, contact a Doctor or Poisons Information Centre (Phone 13 11 26). If swallowed, do NOT induce vomiting. Give a glass of water.

**MATERIAL SAFETY DATA SHEET**

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

**CONDITIONS OF SALE**

"Any provisions or rights under the Trade Practices Act 1974 or relevant state legislation which cannot be excluded by those statutes or by law are not intended to be excluded by these conditions of sale. Subject to the foregoing, all warranties, conditions, rights and remedies, expressed or implied under common law, statute or otherwise, in relation to the sale, supply, use or application of this product, are excluded.

Nufarm Australia Limited and/or its affiliates ("Nufarm") shall not accept any liability whatsoever (including consequential loss), or howsoever arising (including negligence) for any damage, injury or death connected with the sale, supply, use or application of this product except for liability which cannot be excluded by statute."

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\*Other registered trademarks.

NRA Approval No. 31464/0403

**In case of emergency: Phone 1800 033 498**

Ask for shift supervisor. Toll free 24 hours.

Batch No:

Date of Manufacture:

DrumMuster Logo (5 L, 20 L, 200 L only)

Envirodrum Logo (110 L only)

Barcode