

CAUTION

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

Nufarm Buticide

2,4-DB Herbicide

ACTIVE CONSTITUENT: 400 g/L 2,4-DB
present as the potassium and sodium salts

GROUP  HERBICIDE

For control of broadleaf weeds in legume based pastures, lucerne, peanuts and undersown cereal crops as per the Directions for Use table.

ALWAYS READ THE LABEL AND USE ONLY AS DIRECTED

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GENERAL INSTRUCTIONS

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

Annual weeds should be treated when young (at seedling to rosette stage) and actively growing. Apply to crop and weeds at correct growth stage. Spray under good conditions. The effectiveness of this product may be influenced by stress conditions affecting the subject crop, the weeds or both. Cool, wet conditions may reduce herbicide effectiveness.

CROP TOLERANCE

Undersown Clovers, Lucerne and Medics - 2.8 L/ha.
NB: New varieties of Lucerne should be tested for tolerance before using this product, as temporary retardation may occur.

RESISTANT WEEDS WARNING

Buticide 2,4-DB Herbicide (Buticide) is a member of the phenoxy group of herbicides. Buticide has the disruptors of plant cell growth mode of action. For weed resistance management, Buticide is a Group I herbicide. Some naturally-occurring weed biotypes resistant to Buticide and other disruptors of plant cell growth 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 disruptors of plant cell growth 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 Buticide to control resistant weeds.

MIXING

Add the required amount directly to the spray tank and mix well. Use only with clean water.

NB: DO NOT USE WITH HARD WATER OR WATER CONTAINING SUSPENDED MATTER.

APPLICATION

Apply using boom equipment. Application must be uniform. Check nozzle output and adjust speed and pressure to deliver 110-220 Litres of spray per hectare. Do NOT apply by mister or aircraft (except Qld only).

COMPATIBILITY

The effect of Imidan®, Le Mat®/Comrad, Metasystox® and Dimethoate may be reduced if tank mixed with this product.

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, vegetables, fruit trees, woody pod vetch and ornamentals.

PROTECTION OF WILDLIFE, FISH, CRUSTACEANS 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. 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 container 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 container 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.

SAFETY DIRECTIONS

Poisonous if swallowed. May irritate the eyes and skin. The product is alkaline. Avoid contact with eyes and skin. Do not inhale spray mist. When preparing spray wear cotton overalls buttoned to the neck and wrist and a washable hat, elbow length PVC gloves and face shield. When using the prepared spray wear cotton overalls buttoned to the neck and wrist and a washable hat and 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, face shield and contaminated clothing.

FIRST AID

If poisoning occurs, contact a Doctor or Poisons Information Centre (Phone 13 11 26). If swallowed and if more than 15 minutes from a hospital, induce vomiting, preferably using Ipecac Syrup APF.

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."

NRA Approval No: 31647/0600

In case of emergency: Phone 1800 033 498
Ask for shift supervisor. Toll free 24 hours.

DIRECTIONS FOR USE**RESTRAINTS**

DO NOT apply if rain is likely within 24 hours.

DO NOT apply to crop or weeds under stress due to frost, excessively moist or dry conditions.

DO NOT use with hard water or water containing suspended matter.

Situation/Crop	Weeds Controlled	State	Rate/ha	Critical Comments
Wheat & Barley undersown with lucerne, clover or medics	Refer to Weed Table	Qld , WA only	2.8-4 L	Apply to the crop through tillering after the main shoot has five leaves and until the first node is detected. Apply when lucerne, clover and medics are from 1st to 8th trifoliate stage.
		Vic, Tas only		Apply when crop is at early tillering stage, and when clovers, medics and lucerne have 1-5 trifoliate leaves.
Wheat, Barley, Oats, Triticale & Cereal Rye undersown with lucerne clover or medics		NSW only	2.8 L	Apply after when the first node can be felt at the base of the tiller and before swelling of the head can be felt in a tiller. Apply when lucerne, clover and medics are from 1st to 8th trifoliate leaf stage.
Oats undersown with lucerne, clover or medics		Qld , WA only	2.8-3 L	WA: Apply when crop is from tillering to early boot stage. Qld: Apply to crop through tillering after main shoot has 5 leaves and until 1st node is detected.
		Vic, Tas only		Apply when crop is at early tillering stage.
Seedling Lucerne		NSW, Qld, WA only	2.8-3.5 L plus 110 L/ha water	Apply from 1st to 8th trifoliate leaf stage.
		Vic, Tas only		Apply from 1st to 5th trifoliate leaf stage.
Established Lucerne		All States		Apply following mowing or grazing when crop regrowth about 10 cm high.
Sown pasture containing clover or medics		NSW, Qld, WA only		Apply when clovers or medics are at the 1-8 trifoliate leaf stage. Grass seedlings should have 3 or more leaves.
		Vic, Tas only		Apply when clovers or medics are at the 1-5 trifoliate leaf stage. Grass seedlings should have 3 or more leaves.
Clovers & Medics		NSW, Qld, WA only		DO NOT use on Berseem clover or on Red clover when it is being harvested for seed. Growth of Red clover may be retarded. Apply when clover and medics are at the 1-8 trifoliate leaf stage.
		Vic, Tas only		Apply when clover and medics are at the 1-5 trifoliate leaf stage.
Sub-clover pasture	Doublegee	WA only	1.5 L	Spray when Doublegee has less than 14 leaves: best results are obtained when weed has 6-8 leaves. Clover should have 2-8 trifoliate leaves. Do not apply to pastures when one or more false breaks in the season occur, as uneven germination will result. Doublegee which emerge after spraying will not be killed.
Peanuts (Red Spanish & Virginia Bunch)	Thornapples, Spiny Emex	Qld only	2.1 L plus 220 L/ha water	Apply between 1 and 12 weeks after seedlings have emerged.
Spot Spraying (All Situations)	Refer to Weed Table	All States	250-500 mL/ 100 L water	Use lower rate for easy to kill weeds (eg Fat Hen or Variegated Thistle). For more resistant weeds (eg Capeweed, Mallow) use higher rate. Where difficult to wet, hairy or very thick weed populations are encountered, ADD Nufarm Surfactant to the spray mixture at a rate of 65 mL/100 L water.

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

WITHHOLDING PERIOD: CEREALS PASTURE & FORAGE CROPS - DO NOT GRAZE OR CUT FOR STOCK FOOD FOR 7 DAYS AFTER APPLICATION.

**WEED TABLE
APPLICATION PER HECTARE**

Crop	VIC	NSW	QLD	SA	TAS	WA	Critical Comments
Amaranthus	2.8 L	2.8-3.5 L	2.8 L	2.8 L	2.8 L	2.8 L	Spray up to rosette stage.
Bathurst Burr	-	2.8-3.5 L	-	-	-	-	Spray young seedlings only.
Buttercup (Common)	3.5 L	-	-	-	-	-	Spray young seedlings only.
Californian Burr	-	2.8-3.5 L	-	-	-	-	Spray young seedlings only.
Caltrop	-	2.8-3.5 L	-	-	-	-	Spray young seedlings only.
Capeweed	3.5 L	3.5 L	3.5 L	3.5 L	3.5 L	3.5 L	Spray very young seedlings only.
Cape Tulip	-	-	-	-	-	3.5 L	Spray young seedlings only.
Charlock	3.5 L	2.8 L	3.5 L	3.5 L	3.5 L	3.5 L	Spray up to rosette stage.
Dock	2.8-3.5 L	-	2.8-3.5 L	2.8-3.5 L	2.8-3.5 L	2.8-3.5 L	
Fat Hen	2.8 L	2.8-3.5 L	2.8 L	2.8 L	2.8 L	2.8 L	Spray up to rosette stage.
Flat Weed	-	2.8-3.5 L	2.8-4 L	2.8-4 L	2.8-4 L	2.8-4 L	Lower rate to seedlings. Higher rate to rosettes.
Hoary Cress	2.8-4 L	-	-	-	-	-	Spray up to rosette stage.
Fumitory	3.5 L	-	3.5 L	3.5 L	3.5 L	3.5 L	Spray young seedlings only.
Lesser Swinecress	-	-	-	2.8-4 L	-	-	Spray young seedlings only.
Mallow	3.5 L	-	3.5 L	3.5 L	3.5 L	3.5 L	Spray young seedlings only.
London Rocket	-	-	-	-	-	2.8 L	Spray young seedlings only.
Mexican Poppy	3.2 L	-	3.2 L	3.2 L	3.2 L	3.2 L	Spray up to rosette stage.
Mustards	2.8 L	2.8 L	2.8 L	2.8 L	2.8 L	2.8 L	Spray up to rosette stage.
Noogoora Burr	2.8 L	2.8-3.5 L	2.8 L	2.8 L	2.8 L	2.8 L	Spray young seedlings only.
Paterson's Curse	2.8 L	2.8-3.5 L	2.8 L	2.8 L	2.8 L	2.8 L	Spray young seedlings only.
Plantains	2.8 L	2.8-3.5 L	2.8 L	2.8 L	2.8 L	2.8 L	Spray young seedlings only.
Rough Poppy	-	2.8 L	-	-	-	-	Spray up to rosette stage.
Shepherd's Purse	3.5 L	2.8-3.5 L	3.5 L	3.5 L	3.5 L	3.5 L	Spray up to rosette stage.
Skeleton Weed	2.8-3.5 L	2.8-3.5 L	2.8-3.5 L	2.8-3.5 L	2.8-3.5 L	2.8-3.5 L	Spray rosettes before aerial growth commences.
Spiny Emex	3.5 L	-	3.5 L	3.5 L	3.5 L	3.5 L	Spray rosettes or young plants.
Stagger Weed	-	5.5 L	5.5 L	-	-	-	Lower rate to seedlings. Higher rate to rosettes.
Stinging Nettle	3.5 L	-	3.5 L	3.5 L	3.5 L	3.5 L	Spray young plants.
Stinging California	3.5 L	-	-	-	4 L	-	Spray 15 cm - early bud stage (Vic). Spray bud stage - early flowering (Tas).
Thistles							
Saffron	2.8-3.5 L	2.8 L	2.8-3.5 L	2.8-3.5 L	2.8-3.5 L	2.8-3.5 L	Spray up to rosette stage.
Slender	-	2.8-3.5 L	-	-	-	-	Spray up to rosette stage.
Spear	2.8 L	2.8 L	2.8 L	2.8 L	2.8 L	2.8 L	Spray up to rosette stage.
Star	-	3.5 L	-	-	-	-	Spray up to rosette stage.
Variogated	2.8-3.5 L	2.8 L	2.8-3.5 L	2.8-3.5 L	2.8-3.5 L	2.8-3.5 L	Spray up to rosette stage.
Thornapples	1.4-2.1 L	-	-	-	-	-	Lower rate to seedlings. Higher rate to rosettes.
Tree Hogweed	4 L	-	-	-	-	-	Spray young plants.
Turnip Weed	-	2.8 L	-	-	-	-	Spray up to rosette stage.
Wild Turnip	2.8 L	2.8 L	2.8 L	2.8 L	2.8 L	2.8 L	Spray up to rosette stage.
Wireweed	4 L	3.5 L	4 L	4 L	4 L	4 L	Spray very young seedlings only.