

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

Nitofol[®]

INSECTICIDE SPRAY

Active Constituent: 580 g/L METHAMIDOPHOS
(an anticholinesterase compound)

GROUP 1B INSECTICIDE

For control of certain insect pests of brassicas, capsicums, lupins, ornamentals, peaches, peanuts, potatoes and tomatoes as specified in the DIRECTION FOR USE table

GENERAL INSTRUCTIONS

Insecticide Resistance Warning

For insecticide resistance management, Nitofol is a Group **1B** insecticide. Some naturally occurring insect biotypes resistant to Nitofol and other Group **1B** insecticides may exist through normal genetic variability in any insect population. The resistant individuals can eventually dominate the insect population if Nitofol and other Group **1B** insecticides are used repeatedly. The effectiveness of Nitofol on resistant individuals could be significantly reduced. Since occurrence of resistant individuals is difficult to detect prior to use, Bayer CropScience Pty Ltd accepts no liability for any losses that may result from the failure of Nitofol to control resistant insects. Nitofol may be subject to specific resistance management strategies. For further information contact your local supplier, Bayer CropScience representative or local agricultural department agronomist.

Export of Treated Produce

Growers should note that MRLs or import tolerances do not exist in all markets for edible produce treated with Nitofol. If you are growing edible produce for export, please check with Bayer CropScience Pty Ltd for the latest information on MRLs and import tolerances before using Nitofol.

Mixing

Mix the required quantity of Nitofol with water in the spray vat while stirring or with agitators operating.

Application

Good pest control requires even, thorough coverage of the target area. Application should be made using appropriate spray equipment and sufficient water to provide adequate penetration and coverage. Equipment settings and water volume may need to vary, depending on the growth stage of the crop.

Special Instructions for Peaches

Dilute Spraying

- ◆ Use a sprayer designed to apply high volumes of water up to the point of run-off and matched to the crop being sprayed.
- ◆ Set up and operate the sprayer to achieve even coverage throughout the crop canopy. Apply sufficient water to cover the crop to the point of run-off. Avoid excessive run-off.
- ◆ The required water volume may be determined by applying different test volumes, using different settings on the sprayer, from industry guidelines or expert advice.
- ◆ Add the amount of product specified in the Directions for Use table for each 100 L of water. Spray to the point of run-off.
- ◆ The required dilute spray volume will change and the sprayer set up and operation may also need to be changed, as the crop grows.

Concentrate Spraying

- ◆ Use a sprayer designed and set up for concentrate spraying (that is a sprayer which applies water volumes less than those required to reach the point of run-off) and matched to the crop being sprayed.
- ◆ Set up and operate the sprayer to achieve even coverage throughout the crop canopy using your chosen water volume.
- ◆ Determine an appropriate dilute spray volume (See Dilute Spraying above) for the crop canopy. This is needed to calculate the concentrate mixing rate.
- ◆ The mixing rate for concentrate spraying can then be calculated in the following way:

EXAMPLE ONLY

1. Dilute spray volume as determined above: For example 1500 L/ha
2. Your chosen concentrate spray volume: For example 500 L/ha
3. The concentration factor in this example is: $3 \times$ (ie $1500 \text{ L} \div 500 \text{ L} = 3$)
4. As the dilute label rate is 50 mL/100 L for peaches, then the concentrate rate becomes 3×50 , that is 150 mL/100 L of concentrate spray.

- ◆ The chosen spray volume, amount of product per 100 L of water, and the sprayer set up and operation may need to be changed as the crop grows.
- ◆ Do not use a concentrate rate higher than that specified in the **CRITICAL COMMENTS**.
- ◆ For further information on concentrate spraying, users are advised to consult relevant industry guidelines, undertake appropriate competency training and follow industry Best Practices.

Compatibility

Nitofol is compatible with Antracol[®], Bulldock[®] 25 EC, Folimat[®] 800, Fruvit[®]. Do not mix concentrates together but add each to the spray tank separately. As formulations of other manufacturers' products are beyond the control of BayerCropScience Pty Ltd, all mixtures should be tested prior to mixing commercial quantities. As changes in climatic conditions can alter the sensitivity of plants to mixtures of sprays, Bayer CropScience cannot be responsible for the behaviour of such mixtures.

PRECAUTIONS

Re-entry

Workers should not handle crops for one day after spraying unless wearing protective clothing.

PROTECTION OF LIVESTOCK

Dangerous to bees. DO NOT spray any plants in flower while bees are foraging.

PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT

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

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.

SAFETY DIRECTIONS

Very dangerous particularly the concentrate. Product and spray are poisonous if absorbed by skin contact, inhaled or swallowed. Avoid contact with eyes, skin and clothing. DO NOT inhale spray mist. Repeated minor exposure may have a cumulative poisoning effect. When opening the container, preparing spray and using the prepared spray wear protective waterproof clothing, elbow-length PVC gloves, impervious footwear and full-face respirator with combined dust and gas cartridge. If clothing becomes contaminated with product or wet with spray remove clothing immediately. If product or spray 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, respirator (if rubber wash with detergent and warm water) and contaminated clothing. Obtain an emergency supply of atropine tablets 0.6 mg.

FIRST AID

If poisoning occurs, contact a doctor or Poisons Information Centre (telephone 13 11 26). If swallowed, give one atropine tablet every 5 minutes until dryness of the mouth occurs. If poisoned by skin absorption or through lungs, remove any contaminated clothing, wash skin thoroughly and give atropine tablets as above. Get to a doctor or hospital quickly.

MATERIAL SAFETY DATA SHEET

Additional information is listed in the Material Safety Data Sheet, which can be obtained from www.bayercropscience.com.au.

EXCLUSION OF LIABILITY

This product must be used strictly as directed, and in accordance with all instructions appearing on the label and in other reference material. So far as it is lawfully able to do so, Bayer CropScience Pty Ltd accepts no liability or responsibility for loss or damage arising from failure to follow such directions and instructions.

Nitofol[®] is a Registered Trademark of Bayer.

NRA Approval No.: 33036/0903



ORGANOPHOSPHORUS PESTICIDE, LIQUID, TOXIC (contains methamidophos)		
UN No. 3018	PG II	HAZCHEM 2X
FOR 24 HOUR SPECIALIST ADVICE IN EMERGENCY ONLY PHONE 1800 033 111		

DIRECTIONS FOR USE

CROP	PEST	STATE	RATE		WHP	CRITICAL COMMENTS
			PER 100 L WATER	PER HECTARE		
Brassicas	Cabbage moth, cabbage white butterfly, heliothis (<i>Helicoverpa</i> spp.), cabbage centre grub, cluster caterpillar	All states	100 mL or 190 mL	1.1 L or 2.1 L	7 days	Apply when pests are first seen and repeat at 10 day intervals or as required. Use the higher rate under conditions of heavy infestation. Add a wetting agent.
	Aphids	Qld, WA, NT only				
Capsicums	Green peach aphid	All states	50 mL	550 mL	14 days	Spray at first sign of pest and repeat as necessary.
	Budworms (<i>Helicoverpa</i> spp.)	Qld, WA only	190 mL	2.1 L		
	Tobacco leafminer (potato moth)		65 mL	700 mL		
Gladioli	Thrips	Qld, WA only	190 mL	-	-	Apply as a cover spray at first sign of pest and repeat as necessary. Note: Flower crops should not be harvested/cut for 7 days after application.
Lupins	Green peach aphid, bluegreen aphid, cowpea aphid	All states	-	550 mL	6 weeks	Aphids build up in late winter to early spring. Spray when aphids are delaying flower emergence, causing abortion of flowers or wilting and severe distortion of leaves. Apply by aircraft or ground equipment. DO NOT apply more than 1 application to lupins per season.
Ornamentals	Western flower thrips	All states	200 mL	-	-	Apply 3 sprays at up to 5 day intervals. IMPORTANT: Initially treat a small number of plants to ascertain crop safety. DO NOT use in glasshouses or other enclosed spaces. Note: Flower crops should not be harvested/cut for 7 days after application.
Peaches	Green peach aphid	All states	Dilute spraying 50 mL	-	21 days	Apply as a full cover spray at first sign of aphid infestation. DO NOT apply to early varieties such as Watts. Apply by dilute or concentrate spraying equipment. Apply the same total amount of product to the target crop whether applying this product by dilute or concentrate spraying methods. Do not use in equipment that requires rates greater than 250 mL/100 L of water (5X).
Peanuts	Whitefringed weevil	Qld, WA only	-	250 mL	12 weeks	Apply at first sign of adult weevil activity using a band spray over the crop row. Repeat every two weeks while adult populations are present up to a maximum of 4 sprays.

CROP	PEST	STATE	RATE		WHP	CRITICAL COMMENTS
			For further information refer to Application section in the GENERAL INSTRUCTIONS			
			PER 100 L WATER	PER HECTARE		
Potatoes	Potato moth (Tobacco leafminer)	All states	65 mL	700 mL	7 days	Spray at first sign of potato moth activity. Repeat every two weeks or as required. Use sufficient water to give thorough coverage.
	Green peach aphid		50 mL	550 mL		Spray at first sign of aphid infestation and repeat as necessary. Use sufficient water to give thorough coverage.
Tomatoes	Tomato grub (<i>Helicoverpa</i> spp.)	All states	190 mL	2.1 L	4 days	Spray at first sign of pest and repeat as necessary.
	Tobacco leafminer (potato moth)		65 mL	700 mL		Spray at first sign of leaf miner activity. Repeat every two weeks or as required.
	Green peach aphid		50 mL	550 mL		Spray at first sign of aphid infestation and repeat as necessary.
	Common brown jassid (big bud vector)	Vic, WA only	95 mL	1 L		Apply soon after transplanting and repeat at 14 day intervals or as required.

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

THIS PRODUCT IS TOO HAZARDOUS TO BE RECOMMENDED FOR USE IN THE HOME GARDEN

IN VICTORIA, APPLICATION BY A BACK-MOUNTED KNAPSACK SPRAYER IS PROHIBITED

WITHHOLDING PERIODS (WHP)

Harvest

Tomatoes:

DO NOT HARVEST FOR 4 DAYS AFTER APPLICATION

Brassicas, Potatoes:

DO NOT HARVEST FOR 7 DAYS AFTER APPLICATION

Capsicums:

DO NOT HARVEST FOR 14 DAYS AFTER APPLICATION

Lupins:

DO NOT HARVEST FOR 6 WEEKS AFTER APPLICATION

Peaches:

DO NOT HARVEST FOR 21 DAYS AFTER APPLICATION

Peanuts:

DO NOT HARVEST FOR 12 WEEKS AFTER APPLICATION

Grazing

Lupins:

DO NOT GRAZE OR CUT FOR STOCKFEED FOR 6 WEEKS AFTER APPLICATION