

CAUTION

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

Efficon®

Insecticide

ACTIVE CONSTITUENT: 120 g/L DIMPROPYRIDAZ

GROUP	36	INSECTICIDE
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For the control of whiteflies and aphids in certain vegetable crops and cotton as per the DIRECTIONS FOR USE table.

**IMPORTANT: READ THE ATTACHED LEAFLET BEFORE USING
THIS PRODUCT**

CONTENTS: 1-1000 L

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APVMA Approval No.: 90474/129072

SL	FORMULATION TYPE Soluble Concentrate
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DIRECTIONS FOR USE

RESTRAINTS

DO NOT apply by aircraft.

DO NOT feed cotton fodder, stubble or trash to livestock

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 three 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.

DO NOT apply by a boom sprayer unless the following requirements are met:

- Spray droplets not smaller than a **MEDIUM** spray droplet size category
- Minimum distances between the application site and downwind sensitive areas are observed (see 'Mandatory buffer zones' section of the following table titled 'Buffer zones for boom sprayers').

Buffer zones for boom sprayers

Application rate	Boom height above the target canopy	Bystander areas	Natural aquatic areas	Pollinator areas	Vegetation areas	Livestock areas
Up to maximum label rate	0.5 m or lower	0 metres	0 metres	0 metres	0 metres	30 metres
	1.0 m or lower	0 metres	0 metres	0 metres	0 metres	120 metres

CROP	PEST	RATE	WHP	CRITICAL COMMENTS
Cucurbits	Silverleaf whitefly (<i>Bemisia tabaci</i>),	1 L/ha	1 day	EFFICON Insecticide disrupts insect behaviour, coordination and feeding and will provide slow knockdown. Monitor crops and commence applications as local threshold levels are reached. Apply a maximum of 2 sprays before rotating to an alternative insecticide. DO NOT apply more than 4 applications per crop. Apply in sufficient water to ensure thorough coverage of the target crop up to the point of runoff. EFFICON Insecticide will provide residual control of whiteflies and aphids out to 21 days. Continue to monitor crops and make subsequent applications after 14 days where necessary.
	Greenhouse whitefly (<i>Trialeurodes spp</i>),			
	Cotton/melon aphid (<i>Aphis gossypii</i>)	0.5 L/ha		
Fruiting vegetables, (capsicum, chilli, eggplant, okra, tomato) Protected cropping: Eggplant only	Silverleaf whitefly (<i>Bemisia tabaci</i>), Greenhouse whitefly (<i>Trialeurodes spp</i>)	1 L/ha		
Brassica vegetables (including broccoli, broccolini, Brussels sprouts, cabbage, cauliflower, kohlrabi) Leafy vegetables and Brassica Leafy Vegetables including chard (silver beet), cress spinach, lettuce (head and leafy), bok choy, Chinese cabbage, choy sum, gai lan, kale, leafy mustard, pak choy, rocquette	Green peach aphid (<i>Myzus persicae</i>), Cabbage aphid (<i>Brevicoryne brassicae</i>)	0.5 L/ha		

CROP	PEST	RATE	WHP	CRITICAL COMMENTS
Cotton	Silverleaf whitefly (<i>Bemisia tabaci</i>),	1 L/ha	4 weeks	EFFICON Insecticide disrupts insect behaviour, coordination and feeding and will provide slow knockdown. Monitor crops and commence applications as local threshold levels are reached. Apply a maximum of 2 sprays before rotating to an alternative insecticide. DO NOT apply more than 4 applications per crop. Apply in sufficient water to ensure thorough coverage of the target crop up to the point of runoff. EFFICON Insecticide will provide residual control of whiteflies and aphids out to 21 days. Continue to monitor crops and make subsequent applications after 14 days where necessary.
	Greenhouse whitefly (<i>Trialeurodes spp</i>), Cotton/melon aphid (<i>Aphis gossypii</i>)	0.5 L/ha		

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

WITHHOLDING PERIODS

BRASSICA VEGETABLES, CUCURBITS, FRUITING VEGETABLES (OTHER THAN CUCURBITS), LEAFY VEGETABLES (INCLUDING BRASSICA LEAFY VEGETABLES):

HARVEST: **DO NOT** HARVEST FOR 1 DAY AFTER APPLICATION

COTTON:

HARVEST: **DO NOT** HARVEST FOR 28 DAYS AFTER APPLICATION

TRADE ADVICE

Export of treated commodities

Growers should note that Maximum Residue Limits (MRLs) or import tolerances do not exist in all markets for labeled crops treated with EFFICON Insecticide. Additionally, some export markets have established MRLs different to those in Australia. If you are growing crops for export, please check with BASF Australia Ltd for the latest information on MRLs and import tolerances BEFORE using this product.

GENERAL INSTRUCTIONS

APPLICATION

To be effective, thorough crop coverage is required. Apply in a minimum of 200 L /ha water. Adjust water volumes according to the crop growth stage to ensure thorough coverage up to the point of runoff.

Instructions for Ground Application

These instructions inform those using this chemical product how to lawfully comply with the requirement of a **MEDIUM** or larger spray droplet size category for spray application.

Spray droplet size categories are defined in the ASAE S572 Standard (newer name may also be shown as ASABE) or the BCPC guideline. Nozzle manufacturers may refer to one or both of these documents, to identify droplet size categories; however, for a nozzle to comply with this requirement, the manufacturer must refer to at least one.

Complying with the label requirement to use a specific droplet size category means using the correct nozzle that will deliver that droplet size category under the spray operation conditions being used. The APVMA has approved only the following specific methods for choosing the correct nozzle. Use one of the methods specified in these instructions to select a correct nozzle to deliver a **MEDIUM** or larger droplet size category.

USE ONLY nozzles that the nozzles' manufacturer has rated to deliver MEDIUM, COARSE, a VERY COARSE or an EXTREMELY COARSE droplet size category, as referenced in ASAE S572 or BCPC. Choose a nozzle that is specified to provide the droplet size category required in the label Spray Drift Restraints.

DO NOT use a higher spray system pressure than the maximum the manufacturer specifies for the selected nozzle to deliver the droplet size category required in the label Spray Drift Statement.

COMPATIBILITY

EFFICON Insecticide is physically compatible with the following products in a two-way tank-mix (maintain constant agitation throughout):

Fungicides:

Acrobat SC, Aero (WG), Colliss (SC), Filan (WG), Polyram DF, Pristine (WG), Vivando (SC), Zampro (SC), Merivon (SC), Belanty (SC), Serifel Biological (WP), Sercadis (SC), Regalis Plus (WG), Flute 50 EW, Dithane Rainshield (WG), Switch (WG), Kocide Blue Xtra™ (WG), Tri-base Blue (L), Talendo (EC), Luna Sensation (SC), Fontelis (SC), Amistar Top (SC).

Insecticides:

Danisaraba (SC), Cimegra (SC), Success Neo (SC), Belt 480 SC, Chess (WG), Movento 240 SC

Three-way mixes:

Filan (WG) / Polyram DF, Acrobat (SC) / Polyram DF, Versys (DC) / Hasten™, Movento 240 SC / Hasten™

Note: () represents formulation type.

As formulations of other manufacturer's products are beyond the control of BASF, and the quality of water may vary with location, all mixtures should be tested prior to mixing commercial quantities. Physical compatibility of products does not necessarily guarantee biological compatibility. When determining physical compatibility of a product not listed above, or in mixes with EFFICON Insecticide more than a two-way mix, conduct a jar test prior to mixing commercial quantities.

EFFICON Insecticide is a **soluble concentrate** (SL) formulation. When using in a tank mix with

other products, the following mix order should be observed;

1. Half fill the spray tank with water. Maintain constant agitation;
2. Add solid formulation types such as water dispersable granule (WDG/WG), wettable powder (WP), water soluble granule (SG) formulated products first and allow dispersion
3. Add simple liquid formulations such as EFFICON (soluble concentrate (SL)) or liquid suspension formulations such as suspension concentrate (SC) formulations
4. Add any liquid formulations for dispersion such as emulsifiable concentrate (EC) and liquid formulation emulsions such as micro-emulsions (ME) formulations
5. Add any water-soluble salts
6. Add any adjuvants as required
7. Add any foliar fertilizer as required
8. Add remaining water

For further information on compatibility please contact your local reseller or BASF representative.

INSECTICIDE RESISTANCE WARNING

GROUP	36	INSECTICIDE
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For insecticide resistance management dimpropridaz is a Group 36 insecticide. Some naturally-occurring insect biotypes resistant to dimpropridaz and other Group 36 insecticides may exist through normal genetic variability in any insect population. The resistant individuals can eventually dominate the insect population if dimpropridaz or other dimpropridaz insecticides are used repeatedly. The effectiveness of dimpropridaz on resistant individuals could be significantly reduced. Since occurrence of resistant insects is difficult to detect prior to use, BASF Australia Ltd accepts no liability for any losses that may result from the failure of dimpropridaz to control resistant insects. Dimpropridaz may be subject to specific resistance management strategies. For further information contact your local supplier, BASF Australia Ltd representative or local agricultural department agronomist.

PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT

Toxic to aquatic life. **DO NOT** contaminate wetlands or watercourses with this product or used containers.

STORAGE AND DISPOSAL

Store in the closed, original container in a dry, cool, well-ventilated area out of direct sunlight. **DO NOT** expose this product to temperatures <0 °C. 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 the 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.

SAFETY DIRECTIONS

May irritate the eyes and skin. Avoid contact with eyes and skin. When opening the container and preparing spray, wear cotton overalls buttoned to the neck and wrist (or equivalent clothing), and elbow length chemical resistant gloves. Wash hands after use.

FIRST AID

If poisoning occurs, contact a doctor or Poisons Information Centre. Telephone 131126 Australia-wide.

SAFETY DATA SHEET

Additional information is listed in the Safety Data Sheet.

CONDITIONS OF SALE

All conditions and warranties rights and remedies implied by law or arising in contract or tort whether due to the negligence of BASF Australia Ltd or otherwise are hereby expressly excluded so far as the same may legally be done provided however that any rights of the Buyer pursuant to non excludable conditions or warranties of the Competition and Consumer Act 2010 or any relevant legislation of any State are expressly preserved but the liability of BASF Australia Ltd or any intermediate Seller pursuant thereto shall be limited if so permitted by the said legislation to the replacement of the goods sold or the supply of equivalent goods and all liability for indirect or consequential loss or damage of whatsoever nature is expressly excluded. This product must be used or applied strictly in accordance with the instructions appearing hereon. This product is solely sold for use in Australia and must not be exported without the prior written consent of BASF Australia Ltd.

APVMA Approval No: 90474/129072

Batch No:

Date of Manufacture:

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We create chemistry

FOR SPECIALIST ADVICE IN AN

EMERGENCY ONLY

PHONE 1800 803 440

TOLL FREE - ALL HOURS - AUSTRALIA WIDE

GHS STATEMENTS

Harmful to aquatic life. If medical advice is needed, have product container or label at hand.