

# POISON

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

 **ECHO<sup>®</sup> 500**  
**FUNGICIDE**

**ACTIVE CONSTITUENT: 500 g/L CHLOROTHALONIL**

GROUP	<b>M5</b>	FUNGICIDE
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For the control of fungal diseases on almonds, apricots, bananas, carrots, celery, cherries, faba beans, grapes, onions, peaches, peanuts, peas, plums, potatoes, tomatoes and vegetables as per the Directions for Use Table.

**IMPORTANT: READ THE ATTACHED BOOKLET BEFORE USING THIS PRODUCT.**

CONTENTS: 1L, 5L, 20L

APVMA Approval No: 50457/0901



SIPCAM PACIFIC AUSTRALIA PTY LIMITED  
Level 1, 191 Malop Street Geelong VIC 3220

® Registered Trademark of Sipcam Pacific Australia Pty Ltd

# SIPCAM ECHO 500 FUNGICIDE

## 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 rinse containers before disposal. Add rinsings to the 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

Attacks eyes and skin. Avoid contact with eyes and skin. Do not inhale spray mist. Repeated exposure may cause allergic disorders. Sensitive workers should wear protective clothing. When preparing the spray and using the prepared spray wear cotton overalls buttoned to the neck and wrist, washable hat, elbow-length PVC gloves and goggles and disposable mist mask covering mouth and nose. If clothing becomes contaminated with product or wet with spray remove clothing immediately. If product on skin immediately wash area with soap and water. If product in eyes, wash 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, goggles and contaminated clothing.

## FIRST AID

If poisoning occurs, contact a doctor or Poisons Information Centre (Phone Australia: 131126)

If swallowed, do NOT induce vomiting. Give a glass of water.

## SAFETY DATA SHEET

For further information, refer to the Safety Data Sheet (SDS) which is available from the supplier or from our web site, [www.sipcam.com.au](http://www.sipcam.com.au)

## NOTICE TO BUYER

This product must be used in accordance with the directions for use. Where this product is not a good of a kind ordinarily acquired for personal, domestic or household use or consumption under the Australian Consumer Law, Sipcam's liability for any direct, indirect or consequential loss which you incur, including, without limitation, loss or damage to crop, loss of equipment, property damage, personal injury or death is limited, at Sipcam's option, to the replacement of the product or the supply of an equivalent product. By opening this package, you agree to be bound by these terms. If you do not agree to these terms, please return the entire unopened package intact to Sipcam or the place in which you purchased this product for a full refund.

**Batch No:**

**Date of Manufacture:**

**This product is NOT a Dangerous Good under the Australian Code for the transport of Dangerous Goods by road and rail.**

**For specialist advice in emergency only, call  
1800 033 111 all hours, Australia wide**



## G.H.S. STATEMENT

**HAZARDS** H330: Fatal if inhaled. H335: May cause respiratory irritation. H351: Suspected of causing cancer. H410: Very toxic to aquatic life with long lasting effects

**PREVENTION** P271: Use only outdoors or in a well ventilated area. P272: Contaminated work clothing should not be allowed out of the workplace.

**RESPONSE** P304+P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. P391: Collect spillage. P370+P378: Not combustible. Use extinguishing media suited to burning materials.

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**THIS BOOKLET IS PART OF THE LABEL**

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## DIRECTIONS FOR USE

Restrictions: **DO NOT** mix spraying oils or wetting agents with this product.

Situation & Crop	Disease	Rate	WHP (days)	Critical Comments
<b>Almonds</b> (NOT Qld, WA)	Shot-hole ( <i>Stigmia carpophila</i> ) Stone fruit rust ( <i>Tranzschelia discolor</i> )	230mL/100 L Apply 2000 L/ha	-	Apply at bud-swell, bud-burst, shuck fall, cap fall. Apply every 10-14 days. Apply 1 week pre-harvest.
	<b>Apricots</b> (NOT Qld)		Brown rot - Fruit ( <i>Monilinia fructicola</i> ) Blossom blight ( <i>Monilinia laxa</i> )	7
	Shot-hole ( <i>Stigmia carpophila</i> ) Stone fruit rust ( <i>Tranzschelia discolor</i> ) Freckle ( <i>Venturia carpophila</i> )	Apply at bud-swell, bud-burst, pink bud, shuck fall, cap fall, then every 10-14 days. Apply no later than 35 days pre-harvest. See also Additional Restraints for stone fruits		
	Transit rot	Apply 7 days pre-harvest		
<b>Bananas</b> Do not apply to bananas within 14 days of applying an oil based spray or crop damage will occur	Leaf Spot ( <i>Mycosphaerella musicola</i> )	2.6 L/ha (Qld, NSW, NT only)	1	<b>For North Qld</b> - Spray every 14 days late January to end of March. Extend to 21 days after March and then 28-35 days in the drier months of the year. <b>For South Qld</b> - Spray every 21 days from start of December to end of April. <b>For NSW</b> - Spray every 21 days from end of November to end of May. <b>For WA</b> - Spray every 10-14 days from November to end of May and extend to 14-21 days from May to November.
		2.2 L/ha (WA only)		
	Leaf speckle ( <i>Mycosphaerella Musae</i> )	4.3 L/ha (Qld, NSW, WA, NT only)		

<b>Beans - Broad</b> (Faba) (Tas only)	Chocolate spot ( <i>Botrytis fabae</i> ) Rust ( <i>Uromyces viciae-fabae</i> )	1.6-2.6 L/ha	7	Apply at first sign of disease on the leaves or if weather conditions indicate likely incidence of disease. Repeat at 7-14 day intervals. Use the higher rate if the crop is dense and disease pressure is high.
<b>Broccoli, Brussels sprouts, Cabbages, Cauliflowers</b>	Ring Spot ( <i>Mycosphaerella brassicicola</i> )	2.5 - 5L/ha	7	Apply at first sign of disease on the leaves or if weather conditions indicate likely incidence of disease. Repeat at 14 day intervals. Use higher rate if disease pressure is high.
<b>Carrots</b>	Leaf Blight ( <i>Alternaria dauci</i> )	2.6 L/ha or 230mL/100 L	7	Commence application at first sign of disease and then spray every 7-14 days.
<b>Cucurbits</b> (including Cantaloupe, Cucumber, Honeydew, Muskmelon, Pumpkin, Squash, Rockmelon, Watermelon, Zucchini)	Downy mildew ( <i>Pseudoperonospora cubensis</i> ) Gummy stem blight ( <i>Didymella bryoniae</i> ) Anthracnose ( <i>Colletotrichum orbiculare</i> ) Leaf blight ( <i>Alternaria cucumerina</i> ) Target leaf spot ( <i>Cercospora citrullina</i> )	2.4 - 3.6 L/ha	1	Apply on a 7 to 14 day schedule. Apply rates towards the higher end of the recommended range at 7 day intervals when disease pressure is high. Commence spray program early, at first true leaf and before vining or flowering.  When used at these rates, this product will suppress powdery mildew.
	Belly rot ( <i>Rhizoctonia solani</i> )			Suppression of belly rot will be obtained where fruit form on soil when sprayed using the above foliar spray programme.
<b>Celery</b>	Septoria leaf spot ( <i>Septoria apiicola</i> )	2.6 L/ha or 230 mL/100 L		Apply every 7-14 days. Apply also to seed beds.
	Cercospora early blight ( <i>Cercospora apii</i> ) (NSW, ACT only)	1.8 L/ha		Apply every 10-14 days.

<b>Cherries</b>	Brown rot - Fruit ( <i>Monilinia fructicola</i> ) Blossom blight ( <i>Monilinia laxa</i> ) (NOT WA)	230 mL/100 L Apply 2000 L/ha	7	Apply at bud-swell, bud burst, pink bud, early blossom, full bloom. Apply 3 weeks pre-harvest and 1 week pre-harvest.
	Shot-hole ( <i>Stigmia carpophila</i> ) Stone fruit rust ( <i>Tranzschelia discolor</i> )			Apply at bud-swell, bud burst, pink bud, shuck fall, cap fall, then every 10-14 days. Apply 1 week pre-harvest.
	Transit rot ( <i>Rhizopus stolonifer</i> )			Apply 1 week pre-harvest.
<b>Grapes</b> Note: russetting of some table grape varieties may occur (NOT WA)	Downy mildew ( <i>Plasmopara viticola</i> ) Bunch rot ( <i>Botrytis cinerea</i> )	2.6-3.3 L/ha or 230-300 mL/100 L	Dessert 7  Wine 14	Spray at first appearance of the foliage disease. Apply at 7-14 day intervals particularly during wet weather and periods of rapid growth. For bunch rot, applications at early full bloom, two weeks later, at veraisson and two weeks prior to harvest. Table grapes - russetting of some varieties may occur. Do not apply after cap fall on these varieties.
<b>Nectarines</b>	Shot-hole ( <i>Stigmia carpophila</i> ) (NOT Qld, NSW)	230 mL/100 L Apply 2000 L/ha	7	Apply at bud-swell, pink bud, shuck fall and then repeat each 14 days if weather conditions favour disease. Apply no later than 35 days pre-harvest. See also Additional Restraints for stone fruits.
	Brown rot - Fruit ( <i>Monilinia fructicola</i> ) Blossom blight ( <i>Monilinia laxa</i> ) (Tas only)			Apply at first bud-swell, bud burst, pink bud, early blossom and full bloom. Apply no later than 35 days pre-harvest. See also Additional Restraints for stone fruits.
<b>Onions</b> (excluding spring onions)	Downy mildew ( <i>Peronospora destructor</i> )	3.3 L/ha	7	Apply at first sign of disease on the leaves or if weather conditions indicate likely incidence of disease. Repeat at 14 day intervals.
<b>Ornamentals</b> Chrysanthemums, Geraniums, Iris & other ornamentals	Botrytis, Grey mould, Rust diseases, Septoria and Alternaria leaf spot diseases (Tas only)	150 mL/100 L	-	Apply at 7-14 day intervals. Use 7 day interval under severe conditions. Avoid application to blooms in azalea, hydrangea and petunia.

<b>Peaches</b>	Brown rot - Fruit ( <i>Monilinia fructicola</i> ) Blossom blight ( <i>Monilinia laxa</i> ) (NOT Tas, WA)	230 mL/100 L Apply 2000 L/ha	7	Apply at bud-swell, pink bud, early blossom and full bloom. Apply no later than 35 days pre-harvest. See also Additional Restraints for stone fruits.
	Shot-hole ( <i>Stigmina carpophila</i> ) Stone fruit rust ( <i>Tranzschelia discolor</i> )	230 mL/100 L Apply 2000 L/ha		Apply at bud-swell and continue at 7-14 day intervals. Apply no later than 35 days pre-harvest. See also Additional Restraints for stone fruits.
	Leaf curl ( <i>Taphrina deformans</i> )			Apply at bud-swell and continue at 7-14 day intervals. In QLD spray only at bud-swell. Apply no later than 35 days pre-harvest. See also Additional Restraints for stone fruits.
<b>Peanuts</b> (NOT Vic, Tas, SA)	Early leaf spot ( <i>Cercospora arachidicola</i> ) Late leaf spot ( <i>Cercosporidium personatum</i> ) Peppery leaf spot ( <i>Leptosphaerulina trifolii</i> ) Peanut rust ( <i>Puccinia arachidis</i> ) Net blotch ( <i>Didymosphaeria arachidicola</i> )	1.6-2.6 L/ha or 140-230 mL/100 L	-	Use higher rate when conditions favour leaf spot or when rust appears. Do not feed peanut vines to livestock. <b>NSW AND WA ONLY:</b> Commence application when disease first appears and repeat as necessary to maintain control. <b>QLD ONLY:</b> NORTH AND SOUTH BURNETT - Commence spraying when disease appears and repeat when rain and warm moist nights are expected. ATHERTON TABLELANDS - Commence spraying 4-6 weeks after planting and repeat at 7-14 day intervals depending on conditions.
<b>Peas</b> (Tas only)	Downy mildew ( <i>Peronospora viciae</i> )	140-230 mL/100 L or 1.6-2.6 L/ha	7	Apply at first sign of disease on the leaves or if weather conditions indicate likely incidence of disease. Repeat at 7-14 day intervals. Use the higher rate if the crop is dense and disease pressure is high.

<b>Plums</b>	Brown rot - Fruit ( <i>Monilinia fructicola</i> ) Blossom blight ( <i>Monilinia laxa</i> ) (NOT WA)	230 mL/100 L Apply 2000 L/ha	1	Apply at bud-swell, bud-burst, early blossom, pink bud and full bloom. Apply no later than 35 days pre-harvest. See also Additional Restraints for stone fruits.
	Stone fruit rust ( <i>Tranzschelia discolor</i> ) Shot-hole ( <i>Stigmina carpophila</i> )			Apply at bud-swell, bud burst, shuck fall and cap fall. Apply no later than 35 days pre-harvest. See also Additional Restraints for stone fruits.
<b>Potato</b>	Early blight or Target spot ( <i>Alternaria solani</i> )	1.6-2.6 L/ha	-	Spray at first sign of foliage disease or at flowering time, whichever is earlier. Spray every 7-14 days until within 14 days of desiccation or harvest.
	Late blight or Irish blight ( <i>Phytophthora infestans</i> )			
<b>Rhubarb</b> (NSW, ACT only)	Ascochyta leaf spot ( <i>Ascochyta rhei</i> )	200 mL/100 L Apply 2000 L/ha	7	Apply every 10-14 days
<b>Tobacco</b> (Qld only)	Tobacco leaf spot ( <i>Ascochyta arida</i> )	320 mL/100 L	-	Apply every 7 days in seed bed application only.
<b>Tomato</b>	Early blight or Target blight ( <i>Alternaria solani</i> ) Leaf mould ( <i>Fulvia fulva</i> ) Grey leaf spot ( <i>Stemphylium solani</i> ) Botrytis rot or Grey mould ( <i>Botrytis cinerea</i> )	2.6-3.3 L/ha or 230-300 mL/100 L	1	Spray at first appearance of the foliage disease. Spray at 7-14 day intervals. Continue into the picking season to obtain best results against leaf mould and Botrytis rot.
<b>Turf</b> (NSW only)	Grey leaf spot ( <i>Pyricularia grisea</i> )	35 L/ha	-	Apply to the leaf as a curative application. Do not irrigate for 24 hours after application.

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

## **WITHHOLDING PERIODS:**

**Bananas, celery, cucurbits, plums, tomatoes:  
DO NOT HARVEST FOR 1 DAY AFTER APPLICATION.**

**Apricots, broccoli, brussels sprouts, cabbages, carrots, cauliflowers, cherries, nectarines, peaches, , rhubarb, table grapes, faba beans, onions, peas:  
DO NOT HARVEST FOR 7 DAYS AFTER APPLICATION.**

**Wine grapes:  
DO NOT HARVEST FOR 14 DAYS AFTER APPLICATION.**

**BEANS, PEANUTS, PEAS:  
DO NOT GRAZE LIVESTOCK ON TREATED CROPS.**

**Potatoes, Peanuts (Harvest)  
NOT REQUIRED WHEN USED AS DIRECTED**

**ADDITIONAL RESTRAINTS-STONE FRUITS** For all stone fruit except cherries, the following additional restraints apply:  
Do not use oils after bud-swell and during the season Echo 500 is to be used after shuck fall. Do not tank mix Echo 500 with EC formulations when spraying after shuck fall. Do not exceed 4.6 L of Echo 500 per hectare of crop.

## **GENERAL INSTRUCTIONS**

This product is a protectant fungicide for the control of a range of diseases in fruit and vegetables. For effective disease control a good leaf cover must be achieved before a widespread disease outbreak occurs.

**Mixing:** Thoroughly shake and invert the pack several times before opening. Half fill spray vat and with agitation system running, add the required amount of product.

### **Application:**

**Low Volume** - 200 or more litres per hectare.

**High Volume** - 500 - 1000 litres per hectare.

**Aerial Application** - 20 litres or more per hectare.

**Mister** - 75 - 255 litres per hectare.

The volume of water applied should increase as the plants grow in size to maintain adequate cover.

**Compatibility:** This product is compatible with wettable powder and flowable formulations of most commonly used fungicides, insecticides and miticides. Unless experience in your area has shown other combinations to be physically compatible and non-injurious to your crop do not combine with other chemicals, especially emulsifiable concentrates.

**Wetting Agents:** The addition of surfactants does not improve this product's efficiency and under some conditions may cause plant injury.

## **FUNGICIDE RESISTANCE WARNING**

<b>Group</b>	<b>M5</b>	<b>Fungicide</b>
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Echo 500 Fungicide is a member of the multi-site activity group of fungicides. For fungicide resistance management the product is a Group M5 fungicide. Some naturally occurring individual fungi resistant to Echo 500 Fungicide and other Group M5 fungicides may exist through normal genetic variability in any fungal population. The resistant individuals can eventually dominate the fungal population if these fungicides are used repeatedly. These resistant fungi will not be controlled by Echo 500 Fungicide or other Group M5 fungicides, thus resulting in a reduction in efficacy and possible yield loss. Since the occurrence of resistant fungi is difficult to detect prior to use, Sipcarn Pacific Australia Pty Limited accepts no liability for any losses that may result from the failure of Echo 500 Fungicide to control resistant fungi.

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

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

### **STORAGE AND DISPOSAL**

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### **SAFETY DIRECTIONS**

Attacks eyes and skin. Avoid contact with eyes and skin. Do not inhale spray mist. Repeated exposure may cause allergic disorders. Sensitive workers should wear protective clothing. When preparing spray and using prepared spray wear cotton overalls buttoned to the neck and wrist, washable hat, elbow-length PVC gloves and goggles and disposable mist mask covering mouth and nose. If clothing becomes contaminated with product or wet with spray remove clothing immediately. If product on skin immediately wash area with soap and water. If product in eyes, wash 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, goggles and contaminated clothing.

### **FIRST AID**

If poisoning occurs contact a doctor or Poisons Information Centre (Phone Australia: 131126)

If swallowed, do NOT induce vomiting. Give a glass of water.

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