

READ SAFETY DIRECTIONS BEFORE OPENING OR USING

# ecocarb<sup>®</sup>

## FUNGICIDE

ACTIVE INGREDIENT: 950 g/kg POTASSIUM BICARBONATE

**GROUP M2 FUNGICIDE**

**FOR THE CONTROL OF POWDERY MILDEW IN GRAPES, VEGETABLES, STRAWBERRIES AND ROSES, AND RUST IN GERANIUMS AS PER DIRECTIONS FOR USE.**

**NET CONTENTS**  
**20kg**

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BFA ALLOWED INPUT 222AI  
**CERTIFIED  
PRODUCT  
FOR ORGANIC  
FARMS**



## DIRECTIONS FOR USE

### RESTRAINTS:

DO NOT apply oil sprays within 10 days of applying chlorothalonil.

| CROP                                                                       | PESTS                                       | RATE                                                                                           | CRITICAL COMMENT                                                                                                                                                                                                                                                                                                                    |
|----------------------------------------------------------------------------|---------------------------------------------|------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Strawberries                                                               | Powdery Mildew                              | 300-400 g/ 100 L plus 200 mL Synertrol Horti-Oil                                               | Begin application at first sign of disease. Repeat application at 7-10 day intervals. Use the higher rate and shorter repeat interval under conditions of rapid plant growth or severe disease pressure. Apply to ensure complete and thorough coverage of all plant surfaces. Pay particular attention to the underside of leaves. |
| Vegetables: Capsicums, Zucchini, Glasshouse Cucumbers, Glasshouse Tomatoes |                                             |                                                                                                |                                                                                                                                                                                                                                                                                                                                     |
| Geraniums (pelargoniums)                                                   | Rust ( <i>Puccinia pelargonii-zonalis</i> ) | 400 g/ 100 L plus 300 mL Synertrol Horti-Oil                                                   | Begin application at first sign of disease. Repeat application at 7 day intervals. Apply to ensure complete and thorough coverage of all plant surfaces. Pay particular attention to the underside of leaves.                                                                                                                       |
| Roses                                                                      | Powdery Mildew                              | 300-400 g/ 100 L plus 200 mL Synertrol Horti-Oil or 3-4 kg plus 2 L Synertrol Horti Oil per ha | Begin application at first sign of disease. Repeat application at 7-10 day intervals. Use the higher rate and shorter repeat interval under conditions of rapid plant growth or severe disease pressure. Apply to ensure complete and thorough coverage of all plant surfaces. Pay particular attention to the underside of leaves. |
| Grapevines                                                                 | Powdery Mildew ( <i>Oidium</i> spp.)        | 400 g/ 100 L plus 200 mL Synertrol Horti-Oil                                                   | Begin application at first sign of disease. Repeat applications at intervals of 10 to 14 days as new growth or infection occurs, or if conditions favour disease. Apply to ensure complete and thorough coverage of foliage.                                                                                                        |

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

**WITHHOLDING PERIOD (WHP): NOT REQUIRED WHEN USED AS DIRECTED.**

### GENERAL INSTRUCTIONS:

EcoCarb is a contact fungicide containing activated potassium bicarbonate that requires direct contact with the fungus organism for control. EcoCarb disrupts the fungus cell, causing the cell walls to collapse. EcoCarb rapidly kills both spores and hyphae.

Grape growers are advised to rotate EcoCarb with wettable sulfur sprays under conditions where canopy size and management practices limit spray coverage.

Strawberries, vegetables and geraniums: under conditions highly favourable to disease, control may not be achieved and suppression only can be expected.

### FUNGICIDE RESISTANCE WARNING

For fungicide resistance management EcoCarb is a Group M2 fungicide.

Some naturally occurring individual fungi resistant to EcoCarb and other Group M2 fungicides may exist through normal genetic variability in any fungal population. The resistant individuals can

**GROUP M2 FUNGICIDE**

eventually dominate the fungi population if these fungicides are used repeatedly. These resistant fungi will not be controlled by EcoCarb or other Group M2 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, Organic Crop Protectants Pty Ltd accepts no liability for any losses that may result from the failure of EcoCarb to control resistant fungi.

**MIXING:** Half fill spray tank and commence agitation. Slowly add required amount of EcoCarb. Top up with required quantity of water. Agitate well before commencing spray procedure. Other tank mix products should be added last. Do not allow mixtures to stand. Use within 24 hours of mixing.

**APPLICATION:** Apply by ground equipment only. Contact with the disease organism is essential for control, as such apply in sufficient water to ensure complete and thorough coverage of foliage and/or crop. Ensure plants are not suffering from any environmental stress such as moisture stress or heat stress when applying EcoCarb to control high levels of fungus infection as water loss from the infection site can cause death of plant tissue.

**COMPATIBILITY:** Avoid mixing EcoCarb with organophosphorus-type pesticides (for example Group 1B Insecticides) or other chemicals that are susceptible to alkaline decomposition.

EcoCarb is a highly alkaline material. Do not mix with acidifying materials. EcoCarb is compatible with most crop protection products and nutrients that are stable under alkaline conditions. Any preparation of mixtures is entirely at the risk of the user and neither manufacturer nor seller shall assume any responsibility in such cases. A preliminary test with small quantities is recommended prior to use. If tank mixes are to be used, observe all directions, precautions and limitations on all products to be mixed.

**PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT:** DO NOT contaminate streams, rivers or waterways with the chemical or used containers.

**PROTECTION OF BENEFICIAL INSECTS:** DO NOT introduce predatory mites (*Phytoseiulus persimilis*) to a crop within 7 days of an oil application.

**STORAGE AND DISPOSAL:** Store in the closed, original container in a dry, cool, well-ventilated area out of direct sunlight. Shake bag contents into spray tank until the bag is empty. DO NOT dispose of undiluted chemicals on site. Puncture or shred and deliver empty packaging for appropriate disposal 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 bags or product.

**SAFETY DIRECTIONS:** May irritate the eyes. Avoid contact with eyes. When opening the container and preparing spray, wear goggles. Wash hands after use. After each day's use, wash goggles.

**FIRST AID:** If poisoning occurs, contact a doctor or Poisons Information Centre. Phone Australia 131126.

**MSDS:** Additional information is listed in the Material Safety Data Sheet available from the supplier.

**NOTE:** Because Organic Crop Protectants Pty Ltd has no control over handling, storage or use of EcoCarb, the company makes no express or implied representations or warranty (other than non-excludable statutory warranties). This product is sold on the condition that the buyer and/or user assumes all risks of the handling, use of EcoCarb and results obtained from its use.

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For further information contact Organic Crop Protectants Pty Ltd

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APVMA Approval No. 58103/56977

