

Main panel

READ SAFETY DIRECTIONS BEFORE OPENING OR USING

EcoCarb Plus*

Fungicide

**ACTIVE CONSTITUENT:
633 g/kg POTASSIUM BICARBONATE
312 g/kg POTASSIUM SILICATE**

GROUP	M2	FUNGICIDE
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For the control and suppression of various fungal infections in viticultural and horticultural crops as per directions for use.

NET CONTENTS (500 g, 1.2 kg, 5 kg, 10 kg, 20 kg)

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APVMA Approval No. 83204/107720

Ancillary panel

**DIRECTIONS FOR USE
RESTRAINTS**

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

Crop	Disease	Rate	Critical Comments
Strawberries Vegetables: Capsicums, Zucchini, Glasshouse Cucumbers, Glasshouse Tomatoes	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.
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.) Downy Mildew (<i>Plasmopara viticola</i>) (suppression)	400 g/ 100 L plus 250 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. DO NOT apply to late season black or red table grapes close to harvest.
Apples	Blackspot (Apple scab) (<i>Venturia inaequalis</i>)	600 g/100 L plus 250 mL Synertrol Horti Oil	Begin application at first sign of disease. Repeat applications at intervals of 10 to 14 days as new infection occurs, or if conditions favour disease. Apply to ensure complete and thorough coverage of foliage and fruit.
	Powdery Mildew (<i>Podosphaera leucotricha</i>)	800 g/100 L	
Nectarines	Brown Rot (<i>Monilinia fructicola, M. laxa</i>)	1200 g/ 100 L	Begin application at first sign of disease. Repeat applications at intervals of 7 days as new infection occurs, or if conditions favour disease. Apply to ensure complete and thorough coverage of foliage and fruit.

**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 Plus is a contact fungicide containing activated potassium bicarbonate with the addition of potassium silicate to improve efficacy against some more difficult to control diseases. EcoCarb Plus requires direct contact with the fungus organism for control. EcoCarb Plus disrupts the fungus cell, causing the cell walls to collapse. EcoCarb Plus rapidly kills both spores and hyphae.

Grape growers are advised to rotate EcoCarb Plus 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.

Plant Safety: Not all varieties of apples and nectarines/peaches have been tested for sensitivity to EcoCarb Plus. It is recommended that a phytotoxicity test be conducted on sensitive varieties before wide scale use.

MIXING

Half fill spray tank and commence agitation. Slowly add required amount of EcoCarb Plus. 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 Plus to control high levels of fungus infection as water loss from the infection site can cause death of plant tissue.

COMPATIBILITY

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

EcoCarb Plus is a highly alkaline material. Do not mix with acidifying materials. EcoCarb Plus 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.

Fungicide Resistance Warning

GROUP	M2	FUNGICIDE
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For fungicide resistance management EcoCarb Plus Fungicide is a Group M2 fungicide.

Some naturally occurring individual fungi resistant to EcoCarb Plus and other Group M2 fungicides may exist through normal genetic variability in any fungal population. The resistant individuals can eventually dominate the fungi population if these fungicides are used repeatedly. These resistant fungi will not be controlled by EcoCarb Plus 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 Plus to control resistant fungi.

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. 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: Will irritate the eyes and skin. Avoid contact with eyes and skin. When opening the container and preparing the product for use, wear cotton overalls buttoned to the neck and wrist (or equivalent clothing), elbow-length chemical resistant gloves and face shield or goggles. When using the product, wear face shield or goggles. Wash hands after use. After each day's use wash gloves and face shield or goggles, and contaminated clothing.

FIRST AID: First aid is not generally required. If in doubt, contact a Poisons Information Centre (e.g. phone Australia 13 11 26; New Zealand 0800 764 766) or a doctor.

SDS: Additional information is listed in the Safety Data Sheet available from the supplier.

NOTE

Because Organic Crop Protectants Pty Ltd has no control over handling, storage or use of EcoCarb Plus, 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 Plus and results obtained from its use.