

**orion** AGRISCIENCE

**WARNING**

KEEP OUT OF REACH OF CHILDREN



# Carafe™

## FUNGICIDE

For the control of powdery mildew and rust diseases on APPLES, STONEFRUIT, GRAPES, TAMARILLOS, PEAS, ORNAMENTALS and other VEGETABLES

**Active Ingredient:**

800 g/kg sulphur in the form of a water dispersible granule



4828



10 Kg

160 x 170mm (WxH)

**READ THE LABEL COMPLETELY BEFORE USE****HAZARD CLASSIFICATION:****Skin irritation Category 2, Designed for biocidal****WARNING:**

Causes skin irritation.

**PRECAUTIONS**

Avoid contact with eyes and skin. Avoid inhalation of dust and spray mist. Do not eat, drink or smoke while using.

**PERSONAL PROTECTION:**

When mixing or applying, wear overalls, chemical resistant boots and gloves, head covering and eye protection. Clean protective clothing daily after work. Remove protective clothing and wash hands and face thoroughly before meals and after work.

**STORAGE:**

Keep out of reach of children. Store in the original packaging away from foods. When stored appropriately this product should show no significant degradation for two years from the date of manufacture. Contact your supplier for further information about the use of product that is older than this.

**DISPOSAL:**

Dispose of this product only by using in accordance with this label, or at a suitable landfill. Do not burn. Dispose of packaging to a suitable landfill. Do not use packaging for any other purpose.

**ENVIRONMENTAL:**

Use this product carefully. Take all reasonable steps to ensure that this product does not cause any significant adverse effects to the environment beyond the application area. Do not apply directly into or onto water. Do not contaminate aquatic environments with product, spray drift or packaging. Do not allow spray drift outside the target area to occur.

**FIRST AID**If swallowed do not induce vomiting. If splashed in eyes, wash out immediately with water for several minutes. If skin or hair contact occurs, remove contaminated clothing and wash with soap and running water. If inhaled, immediately move to fresh air and rest. Maintain half upright position if breathing is difficult. Call the National Poisons Centre **0800 POISON (0800 764 766)** (24 hrs) or a doctor immediately for advice.**EMERGENCY RESPONSE**In a transport emergency call **111, Police or Fire Brigade**. For specialist advice in an emergency only, call **0800 CHEMCALL (0800 243 6225)** (24 hrs).**SPILLAGE**

Exclude non-essential people from the area. Wear protective clothing. Moisten to prevent dusting and sweep up. Place in a waste container. Dispose of safely to a suitable landfill.

**SAFETY DATA SHEET**Additional information is provided in the safety data sheet. Freephone **0800 ORIONAS (0800 674 6627)** or visit [www.orionagriscience.co.nz](http://www.orionagriscience.co.nz).**GENERAL INFORMATION**

Carafe is a protectant fungicide and must be applied before disease infection occurs. For best results, even spray coverage is necessary.

**CAUTION:** Some fruits and crops are susceptible to injury from sulphur under certain climatic conditions. The user is advised not to use on any crop unless local experience has proven sulphur to be safe in that locality. Do **NOT** apply Carafe when the temperature is above 25°C, or under conditions of extreme humidity, as crop damage can occur. Cucurbits and other crops grown under glass can be affected by an application of Carafe during periods of rapid growth.Do **NOT** apply to sulphur shy apples such as Cox's Orange, apricots and pears.Do **NOT** apply to apples with captan or within 5 days of a captan treatment.Do **NOT** apply with crop oil or within 21 days of a crop oil application.**It is an offence to use this product on animals.****COMPATIBILITY**Carafe is compatible with most insecticides, fungicides and foliar fertilisers. When using with untried emulsifiable concentrate formulations, test the compatibility of both products by mixing small quantities before tank mixing. Do **NOT** use with spraying oils or any products containing mineral oil.

Batch No.

Date of Manufacture

**DIRECTIONS FOR USE**

Apply with well-maintained and calibrated spray equipment.

Crop	Disease	Rate per 100 Litres Water	Critical Comments
Apples	Powdery Mildew	100 - 200 grams	Apply from bud movement at 14 day intervals until harvest. Do <b>NOT</b> use post-blossom unless one pre-blossom sulphur application has been made. Carafe may affect fruit finish on some varieties.
Grapes	Powdery Mildew, Erineum Mite	150 - 300 grams	Apply from bud swell until 6 weeks before harvest at 10-14 day intervals. Use the higher rate where infection is established.
Ornamentals	Powdery Mildew, Rust.	100 - 200 grams	Apply at 10 - 14 day intervals when conditions are favourable to infection.
Peas	Powdery Mildew	100 - 200 grams	Apply when conditions are suitable for disease infection. Use the higher rate where infection has already occurred.
Nectarines, Peaches and Plums	Rust	100 - 200 grams	Apply at fruit set then at 21 day intervals until harvest. Use the higher rate during conditions of high pressure.
Tamarillos	Powdery Mildew	100 - 200 grams	Apply at 14 day intervals throughout the growing season. Use the higher rate if infection has occurred.
Vegetables. Do <b>NOT</b> apply to Cucumbers or rock melons	Powdery Mildew	100 - 200 grams	Use at regular 10 - 14 day intervals during periods of infection. Use the higher rate where infection has already occurred.

**APPLICATION METHODS**

Suitable for use with all applicators. The rates expressed are for high volume spraying to run off. For concentrated spraying, adjust dilution rate accordingly. Sulphur is corrosive so all spray equipment should be thoroughly flushed with clean water after use.

**COMPATIBILITY****RAINFALL:** Rain within 3 hours of treatment may reduce efficacy.**WITHHOLDING PERIODS:** Nil**RESISTANCE MANAGEMENT**

GROUP	M2	FUNGICIDE
-------	----	-----------

Carafe contains sulphur, which belongs to the inorganic group of chemicals. Some naturally occurring water molds and fungal pathogens may become resistant when excessive use of the same fungicide occurs. To prevent or delay the development of resistance, use in tank mixes and/or rotate use with fungicides with a different mode of action. Consult <http://resistance.nzpps.org/index.php> for alternative modes of actions and details of resistance management strategies (if any) for the crops listed on the label.**WARRANTY**

This formulation is warranted to contain the specified active ingredient within accepted analytical tolerance when packed. The user bears the risk for damage resulting from factors beyond the manufacturer's control. The manufacturer declines all liability for damage resulting from improper storage or use of the product.

Registered pursuant to the ACVM Act 1997, No. P9169

See [www.foodsafety.govt.nz](http://www.foodsafety.govt.nz) for registration conditions.

Approved pursuant to the HSNO Act 1996, No. HSR000741

See [www.epa.govt.nz](http://www.epa.govt.nz) for approval controls.

™ CARAFE is a Trade Mark of Orion AgriScience Ltd.

**Registrant:** Agsin Pte Ltd, Zagro Global Hub, 5 Woodlands Terrace, Singapore 738430**Distributor:** Orion AgriScience Ltd, Unit 1, 15 Sir Gil Simpson Drive, Harewood,Christchurch 8053. **0800 674 6627**[www.orionagriscience.co.nz](http://www.orionagriscience.co.nz)

CARAFE™



**orion**  
AGRISCIENCE

0425