

**WARNING**  
**KEEP OUT OF REACH OF CHILDREN**

# PHOSGARD<sup>TM</sup>



## SYSTEMIC FUNGICIDE

A SYSTEMIC FUNGICIDE FOR THE CONTROL OF  
PHYTOPHTHORA & PYTHIUM ROOT ROT, CANKER & BLACKSPOT.

*grochem*

Contains: 400g/L phosphorous acid, present as the mono and di potassium salts,  
in the form of a soluble concentrate.



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NET CONTENTS  
**20L**

GCPH0SG/0323

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# PHOSGARD

PLEASE READ LABEL AND SAFETY DATA SHEET COMPLETELY BEFORE USE

**CAUSES SERIOUS EYE IRRITATION. MAY CAUSE LONG LASTING HARMFUL EFFECTS TO AQUATIC LIFE. AVOID CONTAMINATION OF ANY WATER SUPPLY WITH PRODUCT OR EMPTY CONTAINER.**

**THIS PRODUCT MUST NOT BE USED FOR ANY PURPOSE OR ANY MANNER CONTRARY TO THIS LABEL.**

**PRECAUTIONS:** Wear suitable impermeable gloves and eye protection, and avoid contact with skin when handling. Wash hands with warm soapy water after use and before handling food.

**FIRST AID:** If medical advice is needed, have product container or label at hand. **IF IN EYES:** If splashed in eyes, wash out immediately with water. Hold the eyelids apart and flush the eye continuously with running water. If eye irritation persists: get medical advice/attention.

**24-hour Emergency Telephone Number for advice contact the National Poisons Centre – 0800 POISON (0800 764 766) – or a doctor, immediately.**

**For specialist advice in an emergency only, call 0800 CHEMICAL (24hrs) or 0800 243 6225. In a transport emergency dial 111.**

**EQUIPMENT:** Apply using accurately calibrated and maintained equipment in accordance with The New Zealand Standard for the Management of Agrichemicals (NZS8409).

**STORAGE:** Store in original container and away from foodstuffs. When stored appropriately, this product should show no significant degradation for 2 years from the date of manufacture (D.O.M.) Contact your supplier for further information about the use of any product that is older than this.

**DISPOSAL:** Dispose of this product only by using according to the label, or at an approved facility. Avoid contamination of any water supply with product or empty container.

**Container Disposal:** Triple rinse empty container into the spray tank, puncture/crush and deposit at an appropriate landfill.

**SPILLAGE:** Wear protective clothing and prevent material entering waterways. Absorb spill with inert material and place in waste containers. Wash area with water and absorb with further inert material. Dispose of waste safely in an approved landfill.

**TRANSPORT:** Do not carry on a passenger service vehicle. Segregate from foodstuffs.

**SAFETY DATA SHEET:** A Safety Data Sheet (SDS) for Phosgard is available from Grochem on request or [www.grochem.com](http://www.grochem.com)

**COMPATIBILITY:** Phosgard is compatible with most common pesticides in a tank mixture. Form emulsions in tank before adding Phosgard. Mixtures with acid salts such as copper nitrate slowly crystallise after a few hours. Do not mix with strong oxidising agents such as calcium nitrate.

**CONDITIONS OF SALE:** As no control can be exercised over the manner in which or the conditions under which this product is used, all conditions and warranties expressed or implied, other than those required by statute are excluded. No responsibility will be accepted for any damage or injury whatsoever arising from the storage, handling, application or use of this product.

Phosgard™ is the trademark of AgriNova NZ Ltd

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## DIRECTIONS FOR USE:

### IT IS AN OFFENCE TO USE THIS PRODUCT ON ANIMALS.

Phosgard is a systemic fungicide with a protectant action for the control of phytophthora and pythium root rots. Application is made by foliar spray, tree injection or as a soil drench. Phosgard has a preventative action and a curative action if sufficient root system remains. Phosgard also treats Canker and Blackspot in apples.

**FUNGICIDE RESISTANCE WARNING:** Phosgard contains Group 33 Fungicide, Phosphorous Acid. DO NOT use another product containing a fungicide in the same group in conjunction with Phosgard. Resistance to this fungicide and related Group 33 Fungicides could develop in some situations from repeated use. To minimise this risk use strictly in accordance with the label instructions.

### APPLICATION:

**APPLES – FOLIAR SPRAY:** Apply to Apples as a foliar spray to run off at rates as per application table below.

**WITHHOLDING PERIOD:** 42 days (for export crops refer to exporter).

### AVOCADO – TREE INJECTION:

**Restraints:** DO NOT prune back trees immediately before or after injection as burning of new growth may occur. DO NOT inject trees before mid-October or after the end of March. DO NOT cut back the canopy of injected trees.

**Method:** The principle of tree injection is that the compression of the syringe forces the fluid into the tree. Measure canopy diameter of the individual tree from the dripline on one side to the drip-line on the opposite side. Inject 20ml of stock solution per metre of canopy diameter. When injecting more than one 20ml dose, space the syringe holes evenly around the trunk. Insert the syringe with a turning action, leave the syringe in place until the solution is absorbed into the tree. Fill the hole after injection with putty or dowel material.

**Timing:** Inject the trees when the spring vegetative flushes have greened and hardened. Injection in summer is effective at any time, but is best given from late January through to the end of February.

**Stock Solution:** Skeletal Trees – 750ml Phosgard diluted with 1250ml of water, inject 20ml of stock solution per meter of canopy diameter. Other situations – 375ml Phosgard diluted with 1625ml of water, inject 20ml of stock solution per meter of canopy diameter.

**ORNAMENTALS AND NURSERY CROPS:** 500ml/100L water. Apply as a foliar spray almost to run-off, first application prior to first sign of disease and then every 2 to 4 weeks. On a total ground cover basis use no less than 5 litres per hectare.

**TURF:** 8–10L/ha. Pre-wet thatch. Boom spray using sufficient water to wet foliage. Re-wet thatch using irrigation.

APPLES	DISEASE	RATE	APPLICATION
Young Non-bearing	Phytophthora and Pythium Root Rot, Canker	125ml/100L water	First application mid to late November, second application in Autumn before leaf fall.
Mature Bearing (Preventative)		500ml/100L water	In Autumn immediately after harvest before leaf decline.
Mature Bearing (Curative)		375ml/100L water	Apply first application mid to late November, 2nd application in autumn as soon as possible after harvest and before leaf decline.
Mature Bearing (Preventative)	Blackspot (Venturia Inequalis)	300ml/100 litres, ensuring 4.5 litres per crop hectare. Add 10 ml Nu-Film 17/ Umbrella per 100L spray volume.	Apply every 7 to 10 days from open cluster until end of December. Do not apply more than 5 consecutive applications. If leaf yellowing occurs, stop applications and leaves will return to normal green colour.