

**READ SAFETY DIRECTIONS BEFORE OPENING OR USING**

# **VIVA<sup>®</sup>**

# **FUNGICIDE**

**ACTIVE CONSTITUENT: 50 g/L HEXACONAZOLE**

<b>GROUP</b>	<b>3</b>	<b>FUNGICIDE</b>
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For the control of powdery mildew, scab or black spot on apples,  
scab on pears and powdery mildew on wine grapes.

**READ COMPLETE DIRECTIONS FOR USE BEFORE USING THIS PRODUCT.**

## **CONTENTS: 5 LITRES**

**Crop Care Australasia Pty Ltd, Unit 15/16 Metroplex Avenue, Murarrie Qld 4172**

## DIRECTIONS FOR USE

Crop	Disease	Rate of Application	Withholding Period	Critical Comments
Apples	Powdery mildew ( <i>Podosphaeria leucotricha</i> )	40 mL/100 L (high volume) or 800 to 1200 mL/ha (medium-low volume).	7 days	Do <b>NOT</b> use on MacIntosh apple or related varieties such as Jersey mac apple. Under certain circumstances this product may reduce apple fruit length if applied more frequently or at rates higher than recommended during the blossoming period.
	Scab, black spot ( <i>Venturia inaequalis</i> )			Apply in a spray program beginning at green tip, or at 10% blossom after a green tip lime sulphur or copper spray. Repeat at 14 day intervals as required. For medium to low volume application, apply higher rate for control of established powdery mildew, or where maximum curative effect on scab is required.  This use is subject to an AVCARE DMI fungicide anti-resistance strategy. To prevent or delay the onset of resistance to this fungicide, apply no more than four sprays per season of this product or a fungicide of the same chemical group. If more sprays are required, tank mix with the registered rate of a protectant fungicide.
Pears	Scab ( <i>Venturia pirina</i> )		14 days	Apply in a spray program beginning at delayed green tip, or at 5 - 7 days after a green tip copper spray. Repeat at 14 day intervals as required. For medium to low volume application, apply higher rate where maximum curative effect on scab is required.  This use is subject to an AVCARE DMI fungicide anti-resistance strategy. To prevent or delay the onset of resistance to this fungicide, apply no more than four sprays per season of this product or a fungicide of the same chemical group. If more sprays are required, tank mix with the registered rate of a protectant fungicide.
Wine Grapes	Powdery mildew ( <i>Uncinula necator</i> )	30 mL/100 L (high volume) or 300 mL/ha (medium-low volume)	21 days	Apply in a spray program beginning when shoots are 15 - 20 cm long. Repeat at 14 - 21 day intervals as required.  This use is subject to an AVCARE DMI fungicide anti-resistance strategy. To prevent or delay the onset of resistance to this fungicide, apply no more than three sprays per season of this product or a fungicide of the same chemical group. Two of these three sprays should be consecutive applications. Applications should be made prior to bunch closure only.

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

### WITHHOLDING PERIODS:

**APPLES: DO NOT HARVEST FOR 7 DAYS AFTER APPLICATION**

**PEARS: DO NOT HARVEST FOR 14 DAYS AFTER APPLICATION**

**WINE GRAPES: DO NOT HARVEST FOR 21 DAYS AFTER APPLICATION**

### GENERAL INSTRUCTIONS

#### Fungicide Resistance Warning

GROUP	<b>3</b>	FUNGICIDE
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Viva Fungicide is a member of the DMI group of fungicides. For fungicide resistance management Viva Fungicide is a Group 3 fungicide.

Some naturally occurring individual fungi resistant to Viva Fungicide and other Group 3 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 Viva Fungicide and other Group 3 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, Crop Care Australasia Pty Ltd accepts no liability for any losses that may result from the failure of Viva Fungicide to control resistant fungi.

#### Resistance Strategy

To reduce the risk of resistance, it may be necessary to tank-mix or alternate this product with a different fungicide of an unrelated chemical group. Consult your district advisor or Crop Care representative for advice on suitable products.

#### Mixing

Add the required quantity of product to the spray tank while filling with water. Mix thoroughly.

#### PROTECTION OF LIVESTOCK

DO NOT feed produce from treated areas or by-products of treated crops to animals, including poultry.

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

DO NOT contaminate streams, rivers or waterways with the chemical or used containers.

**STORAGE AND DISPOSAL**

KEEP OUT OF REACH OF CHILDREN

Store in the closed, original container in a cool, well-ventilated area. Do not store for prolonged periods in direct sunlight. Triple or preferably pressure 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 bury empty containers in a local authority landfill. If no landfill is available, bury the containers below 500mm in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots. Empty containers and product should NOT be burnt.

**SAFETY DIRECTIONS**

May irritate the eyes and skin. Avoid contact with eyes and skin. Wash hands after use.

**FIRST AID**

If poisoning occurs, contact a doctor or Poisons Information Centre. Phone Australia 13 11 26.

**MATERIAL SAFETY DATA SHEET**

Additional information is listed in the Material Safety Data Sheet which can be obtained from your supplier or from the Crop Care website: [www.cropcare.com.au](http://www.cropcare.com.au)

**Conditions of sale**

Crop Care Australasia Pty Ltd will not accept any responsibility whatsoever and howsoever arising and whether for consequential loss or otherwise in connection with the supply or use of these goods other than responsibility for the merchantable quality of the goods and such responsibilities mandatorily imposed by Statutes applicable to the sale or supply of these goods. To the extent allowed by such Statutes the liability of Crop Care Australasia Pty Ltd is limited to the replacement of the goods or (at the option of Crop Care Australasia Pty Ltd) the refund of the price paid and is conditional upon a claim being made in writing and where possible sufficient part of the goods to enable proper examination being returned to Crop Care Australasia Pty Ltd within thirty days of delivery.

<p>In a Transport Emergency Dial <b>000</b> Police or Fire Brigade</p>	<p>SPECIALIST ADVICE IN EMERGENCY ONLY <b>1800 033 498</b> ALL HOURS - AUSTRALIA WIDE</p>
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Viva' is a registered trademark of Crop Care Australasia Pty Ltd.



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APVMA Approval No.: 58857/54659

**BN  
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(Insert Label code, Barcode and drumMUSTER logo as required)