

# AG-PHOS 400 SL

Reg. No. L8216 Act No. 36 of 1947



FUNGICIDE



FRAC FUNGICIDE GROUP CODE 33

**AG-PHOS 400 SL is a systemic water soluble liquid fungicide for the control of Phytophthora root and brown rot in citrus, downy mildew in grapes and late blight in potatoes.**

## Active Ingredient

Potassium phosphite 605 g/ℓ  
(Phosphorous acid equivalent) 400 g/ℓ

UN No. 2834

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GROUP

Registered, Manufactured and Distributed by:

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**SEE CONTAINER FOR BATCH DETAILS**

COUNTRY OF ORIGIN: REPUBLIC OF SOUTH AFRICA

VERSION 1.1: 08/2016



CAUTION



**SHAKE WELL** Shake well before use • Store at room temperature  
Keep out of direct sunlight • Keep container closed when not in use



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## WARNINGS:

- Withholding periods: Minimum number of days between last application and harvest:

Citrus	14 days
Potatoes	14 days
Wine and Table grapes	28 days
- Poisonous when swallowed.
- May cause skin and eye irritation.
- Store in a cool, dry place away from food and feed.
- Keep out of reach of children, uninformed persons and animals.
- Do not apply within 7 days before or after a copper application.
- Apply only to actively growing citrus trees and vines that are not under stress, otherwise phytotoxicity (i.e. gummosis and/or leaf scorch) can occur.
- Apply **AG-PHOS 400 SL** from plastic or fibreglass containers because although it has been neutralised, it may still be corrosive to metal.
- Over dosage may result in scorching of leaves.

Although this remedy has been extensively tested under a large variety of conditions, the registration holder does not warrant that it will be efficacious under all conditions because the action and effect thereof may be affected by factors such as abnormal soil, climatic and storage conditions, quality of dilution water, compatibility with other substances not indicated on the label and the occurrence of resistance of the disease against the remedy concerned, as well as by the method, time and accuracy of application. The registration holder furthermore does not accept responsibility for damage to crops, vegetation, the environment, or harm to man or animal or for lack of performance of the remedy concerned due to failure of the user to follow the label instructions or to the occurrence of conditions which could not have been foreseen in terms of the registration. Consult the supplier in the event of any uncertainty.

## PRECAUTIONS:

- Do not inhale spray mist.
- Wear rubber gloves, eye and face protection whilst mixing and applying.
- Do not eat, drink or smoke whilst mixing or applying, or before washing hands and face.
- Wash with soap and water after application or skin contamination.
- Change and wash your work clothes. Wash yourself.
- If you spill it on your clothes, change and wash them.
- Invert the empty container over the spray or mixing tank and allow to drain for at least 30 seconds after the flow has slowed down to a drip. Thereafter rinse the container three times with a volume of water equal to a minimum of 10 % of that of the container. Add the rinsings to the contents of the spray tank before destroying the container.
- Destroy empty container and do not use for any other purpose.
- While spraying, avoid contact with the spray as much as you can. Avoid spray drift onto other crops, grazing, rivers or dams.

- Clean applicator thoroughly after use and dispose of wash water where it will not contaminate crops, grazing, rivers or dams.
- Prevent contamination of food, feed, drinking water and eating utensils.

## RESISTANCE WARNING:

For resistance management, **AG-PHOS 400 SL** is a group code 33 fungicide. Any fungus population may contain individuals naturally resistant to **AG-PHOS 400 SL** and other group code 33 fungicides. The resistant individuals can eventually dominate the fungus population if these fungicides are used repeatedly. These resistant fungi may not be controlled by **AG-PHOS 400 SL** or any other group code 33 fungicide.

## To delay fungicide resistance:

- Avoid exclusive repeated use of fungicides from the same fungicide group code. Alternate or tank mix with registered products from different fungicide group codes.
- Integrate other control methods (chemical, cultural, biological) into disease control programmes.

For specific information on resistance management contact the registration holder of this product.

## DIRECTIONS FOR USE: USE ONLY AS DIRECTED

### COMPATIBILITY:

- AG-PHOS 400 SL** is compatible with Mancozeb 800 WP\*.
- Do **NOT** mix with products containing heavy metals, i.e. copper containing products.
- Do **NOT** add stickers, buffers or acidifiers in a tank mix containing **AG-PHOS 400 SL**.
- Do **NOT** add any inorganic salts of zinc, iron, copper, manganese, calcium or magnesium in a mix with **AG-PHOS 400 SL**.
- Do **NOT** mix **AG-PHOS 400 SL** with highly alkaline material, e.g. lime sulphur and Bordeaux mixture.
- It is advisable to do a miscibility test prior to mixing **AG-PHOS 400 SL** with other chemicals.

## MIXING INSTRUCTIONS:

Observe mixing instructions under COMPATIBILITY. Fill the spray tank half with clean water. Start agitation and add the recommended amount of **AG-PHOS 400 SL** to the water. Complete the filling of the spray tank with water and agitate thoroughly.

#### IMPORTANT NOTES:

- **AG-PHOS 400 SL** must only be applied to actively growing plants to ensure that there is adequate sap flow to transport the product throughout the plant.
- Plants should not be treated when under moisture or heat or stress as this may lead to phytotoxicity, i.e. leaf spot, gummosis, chlorosis, necrosis, stunting or deformation.
- Do not apply if day temperatures are above 30 °C or under conditions of high relative humidity.
- **AG-PHOS 400 SL** should preferably be applied early in the morning or late afternoon.
- Repeat application if more than 10 mm rainfall has occurred within one hour of application.
- Wait for leaves to dry after rain or heavy dew, before applying **AG-PHOS 400 SL**.
- High volume, high pressure applications to citrus may cause phytotoxicity.

#### In the case of late blight infection of potatoes:

Infected seed tubers can result in early infections, depending on climatic conditions. In this instance, start application with first sign of disease symptoms.

#### FOLIAR APPLICATION:

CROP/DISEASE	MAXIMUM RATE/Ha	REMARKS
Citrus Phytophthora root rot	3,0 - 6,1 ℓ	Apply as a light cover spray as determined by tree row volume, until early March. Repeat every 8 weeks. Do not apply when trees are flushing. Delay application until the new flush begins to harden off.
Brown rot (Phytophthora spp.)	3,0 - 6,1 ℓ	Apply once 2 – 3 weeks before harvest as a light cover spray in 1500 – 2500 ℓ spray water per hectare. <b>Summer rainfall areas:</b> Apply to a height of 1,5 m above ground. <b>Winter rainfall areas:</b> Apply to whole tree. <b>Do not apply if trees are under water or drought stress.</b>
Table and Wine grapes Downy mildew (Plasmopara viticola)	4,5 ℓ + 1,8 kg Mancozeb 800 WP*	Start application at 10 cm shoot length. Repeat with 10 – 14 day intervals until berries begin to soften (stage 34 according to Goombe, 1995). Apply in 1 200 – 1 500 ℓ spray water per hectare. Continued spraying with the <b>AG-PHOS 400 SL</b> /mancozeb mixture under conditions of high disease pressure will lead to visible spray deposits on berries. It is therefore recommended to apply <b>AG-PHOS 400 SL</b> on its own after the berries have reached pea-size.
Potatoes Late blight (Phytophthora infestans)	2,6 ℓ + 2 kg Mancozeb 800 WP*	Start application 21 days after emergence or sooner depending on conditions favouring late blight infections, or with susceptible cultivars. Apply every 7 days in 500 ℓ water/ha as a direct spray over the rows. Increase the spray water volume per hectare as the plants increase in size. If late blight is present in a field the spray interval should be shortened to 5 days. Do not apply within 21 days of a copper application. Also refer to <b>IMPORTANT NOTES</b> .

#### CITRUS

- Do not mix with products which contain copper. Do not apply **AG-PHOS 400 SL** within 14 days before or after a copper application, and do not apply a copper application within 7 days after an **AG-PHOS 400 SL** application.
- Do not apply on wet fruit. Application can only commence once fruit has dried off.
- High volume, high pressure applications to citrus may cause phytotoxicity. Care should be taken when applying **AG-PHOS 400 SL** on soft citrus cultivars as rind cells are physiologically more sensitive to damage, especially under stress conditions. Application during cool waterlogged conditions can cause turgid oil cells on citrus fruit to rupture with resulting fruit blemishes.
- Apply as a light cover spray to citrus trees from September to early March, except for areas in the Cape where it can also be applied during the winter months.
- Apply as a preventive spray as soon as disease symptoms are noticed, or earlier if an infection is diagnosed in roots, soil or irrigation water.
- Do not apply to citrus later than stage 4 on the scale 0 – 10 of decline. Refer to "CRI Production Guidelines", Part III.

\*Mancozeb 800 WP Reg. No. L7381, Act No. 36 of 1947