Product Name: M-DKP FOLI-R-FOS 400 FUNGICIDE
APVMA Approval No: 48147/143537

Label Name:	M-DKP FOLI-R-FOS 400 FUNGICIDE

Signal Headings:	READ SAFETY DIRECTIONS BEFORE OPENING OR USING

Constituent Statements:	400 g/L PHOSPHOROUS (PHOSPONIC) ACID PRESENT AS MONO-DI POTASSIUM PHOSPHITE

Mode of Action:	GROUP 33 FUNGICIDE

Statement of Claims:	A systemic fungicide for the control of root rot in avocado, root and collar rot in citrus, root rot in subterranean clover caused by phytophthora fungi and for the control of downy mildew in grapes, as per the DIRECTIONS FOR USE table

Net Contents:	5 L - 1000 L

Restraints:	RESTRAINTS Avocados DO NOT prune back avocado trees immediately before or after treatment as burning of new growth or shoots may occur. DO NOT inject avocado trees in cold weather or winter months. DO NOT inject trees where the trunk is damaged, e.g. sunburnt. DO NOT inject immediately above or below previous injection sites. Citrus DO NOT apply to citrus under high temperature (above 35 °C), particularly if humidity is low or to moisture stressed trees. Subterranean clover DO NOT apply to subterranean clover at volumes which cause excessive run-off. SPRAY DRIFT RESTRAINTS DO NOT allow bystanders to come into contact with the spray cloud. DO NOT apply in a manner that may cause an unacceptable impact to native vegetation, agricultural crops, landscaped gardens and aquaculture production, or cause contamination of plant or livestock commodities, outside the application site from spray drift. Wherever

	possible, correctly use application equipment designed to reduce spray drift and apply when the wind direction is away from these sensitive areas. DO NOT apply unless the wind speed is between 3 and 20 kilometres per hour at the application site during the time of application. DO NOT apply if there are hazardous surface temperature inversion conditions present at the application site during the time of application. Surface temperature inversion conditions exist most evenings one to two hours before sunset and persist until one to two hours after sunrise.

Directions for Use:	This section contains file attachment.

Other Limitations:	

Withholding Periods:	WITHHOLDING PERIODS (WHP) Avocados, citrus, grapes: NOT REQUIRED WHEN USED AS DIRECTED Subterranean clover: DO NOT GRAZE OR FEED LIVESTOCK FOR 14 DAYS AFTER APPLICATION

Trade Advice:	

General Instructions:	GENERAL INSTRUCTIONS Citrus: Foli-R-Fos 400 is best applied as a protectant before foliar symptoms and collar rot become evident. Spray trees for even coverage. Clover: Apply Foli-R-Fos 400 at 750 mL/ha in 200 L/ha of water. Apply to the subterranean clover seedlings while at the cotyledon to unifoliate leaf stage. Apply between the first and second irrigation in autumn. Grapes: Foli-R-Fos 400 is a fungicide with strong systemic activity against downy mildew (Plasmopara viticola) infections. CONDITIONS CONDUCIVE TO DOWNY MILDEW INFECTION (1) PRIMARY INFECTION – Overnight conditions of: Temperature 10 °C Rainfall 10 mm Soil wetness 24 hours Leaf wetness 3-4 hours at end of 24 hour period (2) SECONDARY INFECTION – Overnight conditions of: Temperature 11 °C (minimum) Humidity 98% for at least 4 hours from midnight to dawn Leaf wetness 24 hours 1. Apply Foli-R-Fos 400 within 3-6 days of conditions conducive to downy mildew infection. 2. A tank mix of Foli-R-Fos 400 and copper oxychloride should be considered for use in post-infection control programs because this mix should provide at least 13 days post infection control and an additional 20 days protection to spray foliage. (NOTE: Unsprayed new growth is not protected.) Mixing Foliar application: For foliar spraying Foli-R-Fos 400 is diluted with water. Foli-R-Fos 400 is already formulated as a solution in a water base and mixes easily with water. When mixing use only clean uncontaminated tanks. If they have been used for herbicide application ensure they have been thoroughly decontaminated. Recycle material through the spray pump to ensure good mixing. For citrus only add the recommended amount of product to the tank volume. Add a sticker/ filming agent such as menthene (Nu-film 17) or a non-ionic wetting agent to the spray according to label directions.

	Trunk injection of avocados: The product is used diluted 1:1 with water for very sick trees and diluted 1:3 with water for preventative treatments. Application Special instructions for vines Dilute spraying • Use a sprayer designed to apply high volumes of water up to the point of run-off and matched to the crop being sprayed. • Set up and operate the sprayer to achieve even coverage throughout the crop canopy. Apply sufficient water to cover the crop to the point of run-off. Avoid excessive run-off. • The required water volume may be determined by applying different test volumes, using different settings on the sprayer, from industry guidelines or expert advice. • Add the amount of product specified in the Directions for Use table for each 100 L of water. Spray to the point of run-off. • The required dilute spray volume will change and the sprayer set up and operation may also need to be changed, as the crop grows. Concentrate spraying • Use a sprayer designed and set up for concentrate spraying (that is a sprayer which applies water volumes less than those required to reach the point of run-off) and matched to the crop being sprayed. • Set up and operate the sprayer to achieve even coverage throughout the crop canopy using your chosen water volume. • Determine an appropriate dilute spray volume (See Dilute Spraying above) for the crop canopy. This is needed to calculate the concentrate mixing rate. • The mixing rate for concentrate spraying can then be calculated in the following way: EXAMPLE ONLY 1. Dilute spray volume as determined above: For example 1500 L/ha 2. Your chosen concentrate spray volume: For example 500 L/ha 3. The concentration factor in this example is: 3 X (i.e. 1500 L ÷ 500 L = 3) 4. If the dilute label rate is 10 mL/100 L, then the concentrate rate becomes 3 x 10, that is 30 mL/ 100 L of concentrate spray. • The chosen spray volume, amount of product per 100 L of water, and the sprayer set up and operation may need to be changed as the crop grows. • For further information on concentrate spraying, users are advised to consult relevant industry guidelines, undertake appropriate competency training and follow industry Best Practices. COMPATIBILITY Foli-R-Fos 400 at use dilution can be mixed with mancozeb, sulphur, and the foliar nutrients zinc, manganese and urea.

Resistance Warning:	FUNGICIDE RESISTANCE WARNING GROUP 33 FUNGICIDE Foli-R-Fos 400 is a member of the phosphonate group of fungicides. For fungicide resistance management Foli-R-Fos 400 Fungicide is a Group 33 fungicide. Some naturally occurring individual fungi resistant to the product and other Group 33 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 this product or other Group 33 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, Bayer CropScience Pty Ltd accepts no liability for any losses that may result from the failure of this product to control resistant fungi.

Precautions:	

Protections:	PROTECTION OF CROPS, NATIVE AND OTHER NON-TARGET PLANTS DO NOT apply under weather conditions, or from spraying equipment, that may cause spray to drift onto nearby plants/crops, cropping lands or pastures. PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT DO NOT contaminate streams, rivers or watercourses with the chemical or used containers.

Storage and Disposal:	STORAGE AND DISPOSAL Keep out of reach of children. Store in the closed, original container in a well-ventilated area, as cool as possible. Do not store for prolonged periods in direct sunlight. (5, 25, 200 L) Triple-rinse container 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 container to an approved waste management facility. If an approved waste management facility is not available, bury the empty container 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. Do not re-use empty container for any other purpose. (1000 L) Empty container by pumping through dry-break connection system. Do not attempt to breach the valve system or the filling point, or contaminate the container with water or other products. When empty, or contents no longer required, return the container to the point of purchase. This container remains the property of Bayer CropScience Pty Ltd.

Safety Directions:	SAFETY DIRECTIONS May irritate the eyes and skin. Avoid contact with eyes and skin. Wash hands after use.

First Aid Instructions:	FIRST AID If poisoning occurs, contact a doctor or Poisons Information Centre. Phone Australia 13 11 26. If swallowed, do NOT induce vomiting. If skin contact occurs, remove contaminated clothing and wash skin thoroughly.

First Aid Warnings:	

DIRECTIONS FOR USE

CROP/ SITUATION	DISEASE	STATE	RATE	WHP	CRITICAL COMMENTS
Avocado	Phytophthora root rot (curative treatment)	Qld, NSW, Vic, SA, WA only	Trunk injection **Skeletal trees 1st year**: Dilute Foli-R-Fos 400 1:1 with water. Use 15 mL of mixture/m of canopy diameter. **Preventative treatment** Dilute Foli-R-Fos 400 1:3 with water. Use 15 mL of mixture/m of canopy diameter.	Nil	Inject trees at spring shoot maturity and repeat application during summer. Ideally inject trees between 6 am and 11 am when the transpiration rate is highest and hence uptake is faster. Drill holes 5 mm in diameter and 2.5 to 5 cm deep with a slight downward angle in the trunk. Use one syringe for each 15 mL dose. Syringes should be evenly spaced around the circumference of the trunk. After absorption remove the syringe and it is not necessary to seal the hole as callusing will occur naturally. Thoroughly clean drill bits and syringes between tree injections with sodium hypochlorite (1.5%) to prevent the spread of sunblotch viroid.
Young or small citrus, nursery stock and recently transplanted trees	Phytophthora root and collar rot *(P. nicotianae* var*. parasitica*, *P. citrophthora)*	Qld, NSW, Vic, SA, WA, NT only	2.5 or 5 mL/L sprayed to point of run-off or leaf wetness (by boom or any high-volume sprayer). Use higher rate under high disease risk conditions.	Nil	**1st application:** Late winter (late August) prior to flowering **2nd application:** Autumn (late March - April) applied to mature fruit Add a sticker filming agent such as menthene (Nu-film* 17) or a non-ionic wetting agent to the spray according to label directions. Repeat applications annually to maintain protection within the tree. Removal of fruit from affected trees will assist recovery of trees. Warning: Young container grown mandarin trees may develop leaf burn and growth retardation following foliar application of Foli-R-Fos 400 at the rates recommended for established trees. Apply by dilute or concentrate spraying equipment. Apply the same total amount of product to the target crop whether applying this product by dilute or concentrate spraying methods.
Mature citrus Where disease incidence is higher or well established, for marginal soils where high phytophthora pressure occurs, poorly drained soils			20 L/ha in 3000 to 8000 L of water OR 80 mL in 12 to 32 L water per tree		
Mature citrus Low phytophthora pressure only, well drained soils			12.5 L/ha in 3000 to 8000 L of water OR 50 mL in 12 to 32 L water per tree		

CROP/ SITUATION	DISEASE	STATE	RATE	WHP	CRITICAL COMMENTS
Grapes	Downy mildew *(Plasmopara viticola)*	Qld, NSW, Vic, Tas, SA, WA only	*Dilute spraying* 300 mL/100 L *Concentrate spraying* – Refer to the **Application** section in GENERAL INSTRUCTIONS	Nil	Apply as a foliar spray, as soon as possible after infection and before oil spots appear, and preferably, before sporulation, i.e. usually within 3 to 5 days post infection. DO NOT apply after E-L 33. Apply by dilute or concentrate spraying equipment. Apply the same total amount of product to the target crop whether applying this product by dilute or concentrate spraying methods. Ensure a minimum of 3 mL product is applied per vine.
Subterranean clover:	Root rot *(Phytophthora clandestina)*	NSW, Vic, Tas, SA, WA only	750 mL/ha	14 days (grazing)	Apply as a foliar spray 8-9 days after first irrigation but before second irrigation. Apply in Autumn when subterranean clover is at the cotyledon to unifoliate leaf growth stage.

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