

# CAUTION

KEEP OUT OF REACH OF CHILDREN  
READ SAFETY DIRECTIONS BEFORE OPENING OR USING

**TITAN**

# METALAXYL 50G

## GRANULAR SYSTEMIC FUNGICIDE

ACTIVE CONSTITUENT: 50g/kg METALAXYL

GROUP **4** FUNGICIDE

For control of Phytophthora Root Rot of Avocados, Phytophthora Root Rot and Trunk Canker of Macadamia Nuts, Phytophthora Trunk Rot of Peaches, Damping Off of certain vegetable crops as specified in the Directions for Use.

APVMA Approval No.: 88207/120566

Pack Size: 5kg; 10kg; 15-25kg



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IN A TRANSPORT EMERGENCY

# DIAL 000

POLICE OR FIRE BRIGADE

TRANSPORT AND HANDLING  
NOT A DANGEROUS GOOD  
ACCORDING TO THE AUSTRALIAN  
DANGEROUS GOODS (ADG) CODE  
FOR TRANSPORT BY ROAD AND RAIL

# DIRECTIONS FOR USE

CROP	DISEASE	STATE	RATE	WHP	CRITICAL COMMENTS
<b>Avocados</b> Replanting infested sites	Phytophthora Root Rot	QLD, NSW, SA, WA only	100g per square metre of soil surface	–	Apply at planting and repeat 8 to 12 weeks later. Incorporate in the soil by cultivation or watering.  DO NOT use on unsterilised potting soil in avocado nurseries.
<b>Avocados</b> Potted nursery trees, dry soil mix	Phytophthora Root Rot		10g/10L pot or 1kg per cubic metre of soil	–	Potting soil should first be treated by using steam sterilisation procedures.  <b>Dry Soil Mix:</b> After sterilisation and just before planting or re-potting, incorporate thoroughly into the soil. Follow up with two soil treatments 8 to 12 weeks apart.  <b>Soil Treatment:</b> If soil mix treatment has not been used at planting, apply three times 8 to 12 weeks apart. Wet the surface of the soil before applying the fungicide.
<b>Avocados</b> Curative Treatment	Phytophthora Root Rot		100g per square metre	7 days	For established trees showing moderate to severe symptoms of decline. Apply as a soil application at beginning of summer wet season and again 8 to 12 weeks later until trees have recovered. Clear all weed growth from under tree canopy. To ensure that the fungicide is carried into the root zone of the tree, apply when rain is imminent or use irrigation.  Severely defoliated trees and limbs damaged by exposure to full summer sunlight should be pruned to remove damaged limbs prior to treatment and exposed limbs painted with white plastic paint to prevent sunburn.  It is essential that good management practices include proper mulching, fertilisation and irrigation where required be followed to allow satisfactory response to Root Rot control by TITAN Metalaxyl 50G Granular Systemic Fungicide.  In WA for dryland crops – apply in the Autumn and again in the Spring and repeat the application at 3 monthly intervals during the summer/autumn period.
<b>Avocados</b> Protective Treatment	Phytophthora Root Rot	QLD, NSW, WA only	25g-50g per square metre	7 days	For treatment of apparently healthy trees at risk from Root Rot or showing signs of feeder root destruction or for trees which have recovered following application of TITAN Metalaxyl 50G Granular Systemic Fungicide curative treatment. Use as a soil application at the beginning of summer wet season and repeat at 3 to 6 month intervals.  Use the higher rates and more frequent treatments where the risk of infection is highest. Apply in alternate years only. Ensure weed growth is removed from under the tree and treat the entire area under the tree canopy.  It is essential that good management practices including proper mulching, fertilisation and irrigation be followed to allow satisfactory response to Root Rot control by TITAN Metalaxyl 50G Granular Systemic Fungicide.  In WA for dryland avocado crops apply at times as indicated above for CURATIVE TREATMENT in alternate years only.
<b>Macadamia Nuts</b> Maintenance Treatment	Phytophthora Root Rot and Trunk Canker		25g to 50g per square metre	4 weeks	
<b>Macadamia Nuts</b> Curative Treatment	Phytophthora Root Rot and Trunk Canker		100g per square metre	4 weeks	Clear all weed growth and heavy trash from under the tree. Apply as a soil treatment to the entire area under the tree canopy. Apply at the beginning of summer wet season and again 8 to 12 weeks later.  To ensure the fungicide is carried into the root zone of the tree, apply when rain is imminent or use irrigation. Apply further treatment of TITAN Metalaxyl 50G Granular Systemic Fungicide as required at 6 monthly intervals until trees have recovered.
<b>Peaches</b> 5 years or older	Phytophthora Trunk Rot ( <i>P. cactorum</i> )	VIC, SA, WA only	100g per tree	6 weeks	Apply the granules in the autumn after harvesting is completed and again in the spring when trees have a good leaf cover. Apply the granules evenly in a shallow (5cm) gutter dug around the base of the tree trunk.  To ensure movement into the soil, apply approximately 20 litres of water per tree or apply an appropriate amount of water with overhead irrigation within 24 hours of applying the granules.
	Phytophthora Trunk Rot ( <i>P. cinnamomi</i> )	QLD only			

CROP	DISEASE	STATE	RATE	WHP	CRITICAL COMMENTS
Potatoes	Pink Rot ( <i>Phytophthora erythroseptica</i> )	VIC, TAS, WA only	20kg per ha	–	For use in fields with a previous history of the disease or where conditions favour the disease. Granules should be applied at the time of sowing, directly into the seed furrows as a narrow band treatment close to the seedpiece. Follow up with a program of MEDLEY MZ foliar applications commencing 4 to 6 weeks after planting.
Cucurbits, Capsicums, Cabbage, Cauliflower, Broccoli, Brussels Sprouts	Damping Off ( <i>Pythium</i> spp. and <i>Phytophthora</i> spp.)	QLD, NSW, WA only	2.5g per 10 litres of organic potting mix used for container grown seedlings	7 days	Thoroughly mix granules during preparation of potting mix.
			<b>Pre-transplant:</b> 40kg per ha or 120g per 100m of row		Apply in 30cm wide band along the rows and incorporate into soil.
Carrots			40kg per ha or 120g per 100m of row	–	Apply dry granules to the soil surface in a 30cm wide band at planting or early seeding stages. Rainfall or irrigation is required after application to incorporate into the soil.
Tomatoes			<b>Seedbeds:</b> 5g to 10g per 10m <sup>2</sup> <b>Container grown seedlings:</b> 2.5g per 10L of potting mix <b>Pre-transplant:</b> 20kg to 40kg per ha or 60g to 120g per 100m of row		<b>Seedbeds:</b> Broadcast granules evenly over seed beds.  <b>Container grown seedlings:</b> Thoroughly mix granules during preparation of potting mix.  <b>Pre-transplant:</b> Apply in a 30cm wide band and incorporate into the soil to a depth of 5 to 10cm. Repeat after 21 days using the highest rate, apply in a 30cm wide band and irrigate into the soil.

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

**WITHHOLDING PERIODS:**

**AVOCADOS, CABBAGE, CAULIFLOWER, BROCCOLI, BRUSSELS SPROUTS: DO NOT HARVEST FOR 7 DAYS AFTER APPLICATION.**

**MACADAMIA NUTS: DO NOT HARVEST FOR 4 WEEKS AFTER APPLICATION.**

**PEACHES: DO NOT HARVEST FOR 6 WEEKS AFTER APPLICATION.**

**POTATOES, CARROTS, TOMATOES: NOT REQUIRED WHEN USED AS DIRECTED.**

**GENERAL INSTRUCTIONS**

**FUNGICIDE RESISTANCE WARNING**

TITAN Metalaxyl 50G Granular Systemic Fungicide is a member of the Phenylamide group of fungicides.

**GROUP 4 FUNGICIDE**

For fungicide resistance management TITAN Metalaxyl 50G Granular Systemic Fungicide is a Group 4 fungicide. Some naturally occurring individual fungal resistant to TITAN Metalaxyl 50G Granular Systemic Fungicide and other Group 4 fungicides may exist through normal genetic variability in any fungal population. The resistant individuals can eventually dominate the fungi population if these fungicides are used repeatedly. These resistant fungi will not be controlled by TITAN Metalaxyl 50G Granular Systemic Fungicide and other Group 4 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, TITAN AG Pty Ltd accepts no liability for any losses that may result from the failure of TITAN Metalaxyl 50G Granular Systemic Fungicide to control resistant fungi.

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

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

**STORAGE AND DISPOSAL**

Store in the closed, original container in a dry, cool, well-ventilated area. DO NOT store for prolonged periods in direct sunlight. Triple rinse containers before disposal. Add rinsings to spray tank. DO NOT dispose of undiluted chemicals on-site. If recycling, replace lid and return clean containers to recycler or designated collection point. If not recycling, break, crush or puncture and deliver empty packaging to an approved waste management facility. If an approved waste management facility is not available, bury the empty packaging 500mm 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.

**FIRST AID**

If poisoning occurs, contact a doctor or Poisons Information Centre. Phone Australia 131126; New Zealand 0800 764 766.

**SAFETY DATA SHEET**

Additional information is listed in the safety data sheet (SDS). A safety data sheet for TITAN Metalaxyl 50G Granular Systemic Fungicide is available from TITAN AG Pty Ltd on request. Call Customer Service on (02) 9999 6655 or visit titanag.com.au

**CONDITIONS OF SALE:** TITAN AG Pty Ltd shall not be liable for any loss injury damage or death whether consequential or otherwise whatsoever or howsoever arising whether through negligence or otherwise in connection with the sale supply use or application of this product. The supply of this product is on the express condition that the purchaser does not rely on TITAN AG's skill or judgment in purchasing or using the same and every person dealing with this product does so at his own risk absolutely. No representative of TITAN AG Pty Ltd has any authority to add to or alter these conditions.

Additional statements required by Globally Harmonised System of Classification and Labelling of Chemicals (GHS) and Safe Work Australia: May cause an allergic skin reaction. **Precautionary Statements:** Avoid breathing dust/fume/gas/mist/vapours/spray. Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves. **IF ON SKIN:** Wash with plenty of water. Take off contaminated clothing and wash it before reuse. If skin irritation or rash occurs: Get medical advice/attention. Specific treatment (see on this label). Dispose of contents/container in accordance with local/regional/national regulations.

