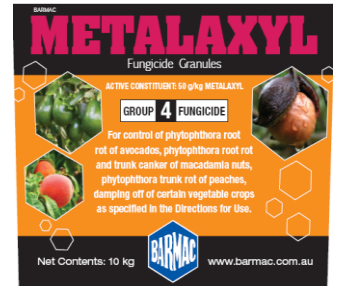


METALAXYL FUNGICIDE GRANULES

Systemic Fungicide Group D

Active Constituent: 50g/kg Metalaxyl



A soil applied systemic granular fungicide for the control of Phytophthora root rot of Avocados, Phytophthora root rot and Trunk canker of Macadamias, Phytophthora trunk rot of Peaches, Pink rot of Potatoes and Damping off of certain vegetable crops.

Metalaxyl Fungicide Granules Benefits:

- Effectively controls phytophthora and pythium related diseases in a range of tree and vegetable crops
- Permits for use in raspberry and blueberry (PER13958) for phytophthora and herbs/roses/wildflowers (PER13832) for pythium and phytophthora root rot
- Can be used as a resistance management tool when rotated with other mode of action fungicides like phospot (phosphorous acid)
- Manufactured locally in Queensland Australia

Pack Sizes: Available in 10kg Bucket

Product Characteristics:

| Colour | Granule Size |
|----------------|--------------|
| Light Coloured | 1-2mm |

Damping off in Seedlings



Phytophthora Root Rot in Avocado





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METALAXYL FUNGICIDE GRANULES

Directions for Application:

| CROP | DISEASE | STATE | RATE | WHP | CRITICAL COMMENTS |
|--|--------------------------------------|------------------------|---|---------|--|
| Avocados Replanting infested sites | Phytophthora Root Rot | QLD, NSW, SA & WA Only | 100 g per m ² 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. |
| Avocados Potted nursery trees, dry soil mix | Phytophthora Root Rot | QLD, NSW, SA & WA Only | 10 g/10 L pot or 1kg per m ³ of soil | - | Potting soil should first be treated by using steam sterilisation procedures. Dry Soil Mix: 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. Soil Treatment: 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. |
| Avocados Curative treatment | Phytophthora Root Rot | QLD, NSW, SA & WA Only | 100 g per m ² | 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 Metalaxyl. In WA for dry land crops - apply in the autumn and again in the spring; for irrigation crops - apply in the spring and repeat the application at 3 monthly intervals during the summer/autumn period. |
| Avocados Protective Treatment | Phytophthora Root Rot | QLD, NSW, SA & WA Only | 25-50g per m ² | 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 Metalaxyl 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. |
| Macadamia Nuts Maintenance Treatment | Phytophthora Root Rot & Truck Canker | QLD, NSW & WA only | 25-50g per m ² | 4 weeks | 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 Metalaxyl. In WA for dry land avocado crops apply at times as indicated above for CURATIVE TREATMENT in alternate years only. |



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METALAXYL FUNGICIDE GRANULES

Directions for Application Continued:

| CROP | DISEASE | STATE | RATE | WHP | CRITICAL COMMENTS |
|---|--|---------------------------|--|---------|--|
| Macadamia Nuts Curative Treatment | Phytophthora Root Rot & Truck Canker | QLD, NSW & WA only | 100g per m ² | 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 Metalaxyl as required at 6 monthly intervals until trees have recovered. |
| Peaches 5 years or older | Phytophthora Trunk Rot (P.cactorum) (P.cinnomomi) | QLD, 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 (5 cm) 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. |
| Potatoes | Pink Rot (Phytophthora erythroseptica) | TAS, VIC & WA only | 20 kg 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 seed-piece. Follow up with a program of foliar fungicide applications commencing 4 to 6 weeks after planting. |
| Cucurbits, Capsicums, Cabbage, Cauliflower, Broccoli, Brussel Sprouts | Damping Off (Pythium spp. & Phytophthora spp.) | NSW, QLD & WA only | 2.5g per 10 L or organic potting mix used for container grown seedlings Pre-Transplant: 40kg per ha or 120g per 100m of row | 7 days | Thoroughly mix granules during preparation of potting mix. Apply in 30cm wide band along the rows and incorporate into soil. |
| Carrots | Damping Off (Pythium spp. & Phytophthora spp.) | NSW, QLD & WA only | 40kg per ha or 120g per 100m of row | - | Apply dry granules to the soil surface in a 30 cm wide band at planting or early seeding stages. Rainfall or irrigation is required after application to incorporate into the soil. |
| Tomatoes | Damping Off (Pythium spp. & Phytophthora spp.) | NSW, QLD & WA only | Seedbeds: 5 g to 10 g per 10 m ² Container grown seedlings: 2.5 g per 10 L of potting mix. Pre-transplant: 20 kg to 40 kg per ha or 60 g to 120 g per 100 m of row | - | Seedbeds: Broadcast granules evenly over seed beds. Container grown seedlings: Thoroughly mix granules during preparation of potting mix. Pre transplant: Apply in a 30 cm wide band and incorporate into the soil to a depth of 5 to 10 cm. Repeat after 21 days using the highest rate, apply in a 30 cm wide band and irrigate into the soil. |