

READ SAFETY DIRECTIONS BEFORE OPENING OR USING



BARMAC
Fungol 500
FUNGICIDE



ACTIVE CONSTITUENT: 500 g/L IPRDIONE

GROUP 2 FUNGICIDE

For the control of fungal diseases in Ornamentals and Recreational Turf as specified in the DIRECTIONS FOR USE table.

Net Content 5-20 Litres



BARMAC PTY LTD
ABN: 21 009 674 953
17 Machinery St, Darra Queensland 4076
Ph: 07 3727 3000

Batch Number
Date of manufacture
APVMA Approval Number: 55304/55749

DIRECTIONS FOR USE

SITUATION	DISEASE	STATE	RATE	CRITICAL COMMENTS
Ornamentals	Botrytis Blight (<i>Botrytis cinerea</i>)	All States	100mL/100L water (Apply at minimum of 1.0L/ha)	Spray at 14 day intervals commencing when the disease first becomes apparent and continuing until conditions no longer favour the disease. Spraying Saintpaulia and Poinsettia flowers may result in some petal scorch. Tepid water should be used and wet plants protected from direct sunlight. This use is subject to an AFRAC fungicide anti-resistance strategy: Do not apply more than 3 consecutive Barmac Fungol 500 Fungicide or related dicarboximide sprays.
Recreational Turf	Brown Patch (<i>Rhizoctonia solani</i>) Dollar Spot (<i>Sclerotinia homoeocarpa</i>)	All States	60 to 90mL/10 to 150L water/100m ²	Curative Program: Repeat treatment after 14 days. Use the higher rate under conditions of severe disease pressure. For Preventative Treatment: Apply as a monthly spray program. This use is subject to an AFRAC anti-resistance strategy. To reduce the possibility of resistance build-up to Barmac Fungol 500 Fungicide do not apply more than 2 consecutive sprays of Barmac Fungol 500 Fungicide or related dicarboximide fungicides, unless tank mixed with a fungicide from a different activity group.
	Brown Patch (<i>Curvularia spp.</i>) (<i>Drechslera spp.</i>) (<i>Fusarium culmorum</i>) (<i>Rhizoctonia solani</i>)	Vic only		
	Fusarium Patch (<i>Fusarium nivale</i>)	All States	90mL/10 to 150L water /100m ²	Curative Program: Repeat treatment after 14 days. For Preventative Treatment: Apply as a monthly spray program.
	Leaf Spot (<i>Drechslera spp.</i>) Dollar Spot (<i>Sclerotinia homoeocarpa</i>)	All States	60mL/10 to 150L water /100m ²	This use is subject to an AFRAC anti-resistance strategy. To reduce the possibility of resistance build-up to Barmac Fungol 500 Fungicide do not apply more than two consecutive sprays of Barmac Fungol 500 Fungicide or related dicarboximide fungicides, unless tank mixed with a fungicide from a different activity group.
	Spring Dead Spot (<i>Leptosphaeria spp.</i>)*	NSW, SA, ACT, only	65mL per 10 to 150L water /100m ²	For Preventative Treatment: Apply as a monthly soil drench throughout the year. Water in thoroughly after application. *When used in a preventative program this product will limit the development of Leptosphaeria and improve the rate of turf recovery. This use is subject to an AFRAC anti-resistance strategy. To reduce the possibility of resistance build-up to Barmac Fungol 500 Fungicide do not apply more than two consecutive sprays of Barmac Fungol 500 Fungicide or related dicarboximide fungicides, unless tank mixed with a fungicide from a different activity group.
	Spring Dead Spot (<i>Helminthosporium spp.</i> , <i>Curvularia spp.</i>)	Vic, WA, NT only		
	Helminthosporium disease affecting leaf, crown and roots: (Black and white Helminthosporium spot: <i>Bipolaris spp.</i> , <i>Drechslera spp.</i> , <i>Exserohilum spp.</i>)	All States	45mL/10 to 150L of water/100m ²	For Curative Treatment: Apply as a foliar spray and repeat application after 7 to 14 days. For white spot symptoms on couch grass (<i>Cynodon dactylon</i>) only, use higher water volumes of 100 to 150L of water per 100m ² . For Preventative Treatment: Apply as a high volume foliar spray. Repeat applications at monthly intervals from February to May. This use is subject to an AFRAC anti-resistance strategy. To reduce the possibility of resistance build-up to Barmac Fungol 500 Fungicide do not apply more than two consecutive sprays of Barmac Fungol 500 Fungicide or related dicarboximide fungicides, unless tank mixed with a fungicide from a different activity group.

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

GENERAL INSTRUCTIONS

Fungicide Resistance Warning

GROUP	2	FUNGICIDE
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Barmac Fungol 500 Fungicide is a member of the dicarboximide group of fungicides. For fungicide resistance management the product is a Group 2 fungicide.

Some naturally occurring individual fungi resistant to Barmac Fungol 500 Fungicide and other Group 2 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 Barmac Fungol 500 Fungicide or other Group 2 fungicides, thus resulting in a reduction in efficacy.

Since the occurrence of resistant fungi is difficult to detect prior to use, Barmac Pty Ltd accepts no liability for any losses that may result from the failure of Barmac Fungol 500 Fungicide to control resistant fungi.

Note:

Barmac Fungol 500 Fungicide may be very unstable in conditions where the pH is 7 or greater. It is therefore essential to check the pH of the spray solution before adding Barmac Fungol 500 Fungicide. A suitable registered buffering agent may have to be added to bring the pH down below 7.

Mixing:

Add the required amount of Barmac Fungol 500 Fungicide to the spray tank containing half the required volume of water. Mix thoroughly and make up to the required volume with water.

Turf nutrition:

This product acts very rapidly and where the turf is of a low nutritional status, a slight yellowing may be seen. This will be corrected by nitrogenous fertiliser application. Where possible, it is recommended that the fertiliser program should precede the fungicide application.

Compatibility:

DO NOT tank mix this product with fertilisers.

It is NOT recommended to mix this product with more than one other product in the spray tank. As formulations of other manufacturers products are beyond the control of Barmac Pty Ltd all mixtures should be tested prior to mixing commercial quantities. With any mixture thoroughly agitate immediately before applying.

Note mixing this product with Chipco Aliette Signature may result in some settling out.

PROTECTION OF LIVESTOCK: Do not graze treated areas or feed turf clippings from treated areas to animals including poultry.

PROTECTION OF CROPS, NATIVE AND OTHER NON-TARGET PLANTS:

Do not apply under weather conditions or through spraying equipment that may cause spray to drift onto nearby susceptible plants/crops, cropping lands or pastures.

PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT:

Toxic to aquatic organisms. Do not contaminate streams, rivers or waterways with the chemical or used container.

STORAGE AND DISPOSAL

Store in the closed original container in a cool, well-ventilated area. Do not store for prolonged periods in direct sunlight. Store in a locked room or place away from children, animals, food, feedstuffs, seed and fertilisers.

Triple or (preferably) pressure rinse containers before disposal. Add rinsings to the spray tank. DO NOT dispose of undiluted chemicals on site. If recycling return clean container to 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 500 mm 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 eyes. Avoid contact with eyes. When opening the container and using the product wear cotton overalls buttoned to the neck and wrist [or equivalent clothing], elbow-length PVC gloves and face shield. Wash hands after use. After each day's use, wash gloves, face shield and contaminated clothing.

FIRST AID

If poisoning occurs, contact a doctor or Poisons Information Centre (telephone 13 11 26).

MATERIAL SAFETY DATA SHEET

Additional information is listed on the Material Safety Data Sheet available from Barmac Pty Ltd or from our internet site www.barmac.com.au.

NOTICE

This product is designed only for the particular purposes indicated on the label. Failure to use the product strictly as directed may be illegal, prove dangerous and render the product ineffective. The buyer or user is responsible for any misuse or negligence in the handling, storage, use of or disposal of this material. Barmac Pty Ltd will not accept any responsibility whatsoever and howsoever arising and whether for consequential loss or otherwise in connection with the supply and use of this product other than those responsibilities mandatorily imposed by Statutes applicable to the sale and supply of these goods.

READ SAFETY DIRECTIONS BEFORE OPENING OR USING

BARMAC
Fungol 500
FUNGICIDE

ACTIVE CONSTITUENT: 500 g/L IPRADIONE

GROUP 2 FUNGICIDE

For the control of certain fungal diseases in various crops and situations as specified in the
DIRECTIONS FOR USE table.

Net Content 1-4 Litres



BARMAC PTY LTD

ABN: 21 009 674 953

17 Machinery St, Darra Queensland 4076

Ph: 07 3727 3000

Important: Read the attached booklet before use

Batch Number

Date of manufacture

APVMA Approval Number: 55304/55749

STORAGE AND DISPOSAL

Store in the closed original container in a cool, well-ventilated area. Do not store for prolonged periods in direct sunlight. Store in a locked room or place away from children, animals, food, feedstuffs, seed and fertilisers. Triple or (preferably) pressure rinse containers before disposal. Add rinsings to the spray tank. DO NOT dispose of undiluted chemicals on site. If recycling return clean container to 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 500 mm 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 eyes. Avoid contact with eyes. When opening the container and using the product wear cotton overalls buttoned to the neck and wrist [or equivalent clothing], elbow-length PVC gloves and face shield. Wash hands after use. After each day's use, wash gloves, face shield and contaminated clothing.

FIRST AID

If poisoning occurs, contact a doctor or Poisons Information Centre (telephone 13 11 26).

MATERIAL SAFETY DATA SHEET

Additional information is listed on the Material Safety Data Sheet available from Barmac Pty Ltd or from our internet site www.barmac.com.au.

NOTICE

This product is designed only for the particular purposes indicated on the label. Failure to use the product strictly as directed may be illegal, prove dangerous and render the product ineffective. The buyer or user is responsible for any misuse or negligence in the handling, storage, use of or disposal of this material. Barmac Pty Ltd will not accept any responsibility whatsoever and howsoever arising and whether for consequential loss or otherwise in connection with the supply and use of this product other than those responsibilities mandatorily imposed by Statutes applicable to the sale and supply of these goods.

READ SAFETY DIRECTIONS BEFORE OPENING OR USING

BARMAC
Fungol 500
FUNGICIDE

ACTIVE CONSTITUENT: 500 g/L IPRODIONE

GROUP 2 FUNGICIDE

For the control of certain fungal diseases in various crops and situations as specified in the DIRECTIONS FOR USE table.



BARMAC PTY LTD

ABN: 21 009 674 953

17 Machinery St, Darra Queensland 4076

Ph: 07 3727 3000

Batch Number

Date of manufacture

APVMA Approval Number: 55304/55749

(Booklet)

DIRECTIONS FOR USE

All rates are given for dilute spraying. For concentrate spraying, refer to the **Special Instructions for Tree Crops/Vines** section.

Ornamentals & Recreational Turf:

SITUATION	DISEASE	STATE	RATE	CRITICAL COMMENTS
Ornamentals	Botrytis Blight (<i>Botrytis cinerea</i>)	All States	100mL/100L water (Apply at minimum of 1.0L/ha)	Spray at 14 day intervals commencing when the disease first becomes apparent and continuing until conditions no longer favour the disease. Spraying Saintpaulia and Poinsettia flowers may result in some petal scorch. Tepid water should be used and wet plants protected from direct sunlight. This use is subject to an AFRAC fungicide anti-resistance strategy: Do not apply more than 3 consecutive Barmac Fungol 500 Fungicide or related dicarboximide sprays.
Recreational Turf	Brown Patch (<i>Rhizoctonia solani</i>) Dollar Spot (<i>Sclerotinia homoeocarpa</i>)	All States	60 to 90mL/10 to 150L water/100m ²	Curative Program: Repeat treatment after 14 days. Use the higher rate under conditions of severe disease pressure. For Preventative Treatment: Apply as a monthly spray program. This use is subject to an AFRAC anti-resistance strategy. To reduce the possibility of resistance build-up to Barmac Fungol 500 Fungicide do not apply more than 2 consecutive sprays of Barmac Fungol 500 Fungicide or related dicarboximide fungicides, unless tank mixed with a fungicide from a different activity group.
	Brown Patch (<i>Curvularia spp.</i>) (<i>Drechslera spp.</i>) (<i>Fusarium culmorum</i>) (<i>Rhizoctonia solani</i>)	Vic only		
	Fusarium Patch (<i>Fusarium nivale</i>)	All States	90mL/10 to 150L water /100m ²	Curative Program: Repeat treatment after 14 days. For Preventative Treatment: Apply as a monthly spray program.
	Leaf Spot (<i>Drechslera spp.</i>) Dollar Spot (<i>Sclerotinia homoeocarpa</i>)	All States	60mL/10 to 150L water /100m ²	This use is subject to an AFRAC anti-resistance strategy. To reduce the possibility of resistance build-up to Barmac Fungol 500 Fungicide do not apply more than two consecutive sprays of Barmac Fungol 500 Fungicide or related dicarboximide fungicides, unless tank mixed with a fungicide from a different activity group.
	Spring Dead Spot (<i>Leptosphaeria spp.</i>)*	NSW, SA, ACT only	65mL per 10 to 150L water /100m ²	For Preventative Treatment: Apply as a monthly soil drench throughout the year. Water in thoroughly after application. *When used in a preventative program this product will limit the development of <i>Leptosphaeria</i> and improve the rate of turf recovery. This use is subject to an AFRAC anti-resistance strategy. To reduce the possibility of resistance build-up to Barmac Fungol 500 Fungicide do not apply more than two consecutive sprays of Barmac Fungol 500 Fungicide or related dicarboximide fungicides, unless tank mixed with a fungicide from a different activity group.
	Spring Dead Spot (<i>Helminthosporium spp.</i> , <i>Curvularia spp.</i>)	Vic, WA, NT only		
	Helminthosporium disease affecting leaf, crown and roots: (Black and white Helminthosporium spot: <i>Bipolaris spp.</i> , <i>Drechslera spp.</i> , <i>Exserohilum spp.</i>)	All States	45mL/10 to 150L of water/100m ²	For Curative Treatment: Apply as a foliar spray and repeat application after 7 to 14 days. For white spot symptoms on couch grass (<i>Cynodon dactylon</i>) only, use higher water volumes of 100 to 150L of water per 100m ² . For Preventative Treatment: Apply as a high volume foliar spray. Repeat applications at monthly intervals from February to May. This use is subject to an AFRAC anti-resistance strategy. To reduce the possibility of resistance build-up to Barmac Fungol 500 Fungicide do not apply more than two consecutive sprays of Barmac Fungol 500 Fungicide or related dicarboximide fungicides, unless tank mixed with a fungicide from a different activity group.

Tree Crops/Vines

CROP	DISEASE	STATE	RATE	WP	CRITICAL COMMENTS
Grapes	Grey mould (<i>Botrytis spp.</i>)	All States	100 ml/ 100 L water	7 days	Good crop hygiene will aid in the control of disease. This use is subject to an Avcare fungicide resistance management strategy: <ol style="list-style-type: none"> 1. If three or fewer bunch rot sprays are applied in a season use only one spray per season containing Barmac Fungol 500 (or other Group 2 Fungicides). If four or more bunch rot sprays are applied in a season use no more than two sprays containing Group 2 fungicides, unless tank mixed with a registered multi-site (Group Y) fungicide. 2. Late season fungicide treatments should be applied before botrytis infection reaches unacceptably high levels in the vineyard. 3. DO NOT apply more than two consecutive sprays from the same fungicide group, including from the end of one season to the next.
Stone Fruit: Apricots, cherries, nectarines, peaches, plums	Orchard Spraying Blossom blight (<i>Monilinia fructicola</i> , <i>Monilinia laxa</i>) Brown rot (<i>Monilinia fructicola</i> , <i>Monilinia laxa</i>)	All States	50 to 75 mL/ 100L water	Nil	For control of blossom blight, spray at 10% blossom, full bloom and petal/shuck fall. For control of subsequent brown rot in fruit, spray at 3 weeks and 1-week pre- harvest. Use the higher rate under severe conditions of challenge, or for single applications of Barmac Fungol 500 in the spray program. This use is subject to an Avcare fungicide resistance management strategy: <ol style="list-style-type: none"> 1. DO NOT apply more than 2 consecutive sprays of Barmac Fungol 500 (or other Group 2 fungicides). 2. A post-harvest treatment should also be counted as an application. 3. The last blossom blight spray and the first pre-harvest brown rot spray should be regarded as consecutive applications. 4. The spray program should be considered and the strategy applied on a whole-orchard basis.

Berries

Strawberries	Grey mould (<i>Botrytis cinerea</i>)	All States	1.0L/ha where spray volume is less than 1000L/ha OR 100mL/100L water where spray volume equals or exceeds 1000L/ha	1 day	This use is subject to an Avcare fungicide resistance management strategy: 1. Apply a program of protectant fungicides during flowering. If conditions favour disease development during this period use Barmac Fungol 500. 2. DO NOT apply more than two successive sprays of Barmac Fungol 500 (or other Group 2 Fungicide).
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Fruit - Post-harvest dipping:

CROP	DISEASE	STATE	RATE	WHP	CRITICAL COMMENTS
Pome fruit: Apples, pears	Post-harvest dipping Storage rots (<i>Penicillium</i> spp.) (<i>Botrytis</i> spp.) (<i>Gloeosporium</i> spp.)	All States	100mL/ 100L water	Nil	To minimise the development of post-harvest rots handle fruit carefully to avoid fruit injury and dip promptly after harvest. Remove any infected fruit from the packing house immediately and destroy. When dipping, allow sufficient time to thoroughly wet the fruit. Top up dip with 100mL Barmac Fungol 500 in 100L water. This use is subject to an Avcare fungicide resistance management strategy: 1. For the last pre-harvest spray, use a fungicide with a different mode of action to the fungicide planned for use as a post-harvest treatment. 2. Where alternative fungicide groups are available, rotate to use as many different modes of action as possible.
Stone Fruit: Apricots, cherries, nectarines, peaches, plums	Post-harvest dipping Brown rot (<i>Monilinia fructicola</i> , <i>Monilinia laxa</i>) *Transit rot (<i>Rhizopus</i> spp.)	All States	100mL/ 100L water	Nil	To minimise the development of post-harvest rots handle fruit carefully to avoid fruit injury and dip promptly after harvest. Remove any infected fruit from the packing house immediately and destroy. When dipping, allow sufficient time to thoroughly wet the fruit. Top up dip with 100mL Barmac Fungol 500 in 100L water. A non-ionic wetting agent should be added. *Transit rot is suppressed at this rate. This use is subject to an Avcare fungicide resistance management strategy: 1. For the last pre-harvest spray, use a fungicide with a different mode of action to the fungicide planned for use as a post-harvest treatment. 2. Where alternative fungicide groups are available, rotate to use as many different modes of action as possible.

Vegetables:

CROP	DISEASE	STATE	RATE	WHP	CRITICAL COMMENTS
Brassica Leafy Vegetables including: Bok Choy (Chinese White Cabbage, Chinese Chard), Pak Choy (White Cabbage, Chinese Chard Choi Sum (Chinese flowering cabbage) Gai Lum, Gailan, Kai Lan (All Chinese Broccoli), Kai Choi (Indian Mustard Cabbage), Wong Bok, Pet Sai, Hatsukai (All Chinese Cabbage), Mizuna (Mizuna Greens), Amsoi (Red Mustard), Taishona (Curled Mustard), Komatsuma (Mustard Spinish), Tatsoi (Chinese Flat Cabbage), Gai Choy, Kai Choi, Am Soi,	Sclerotinia (<i>Sclerotinia sclerotiorum</i>) Grey Mould (<i>Botrytis cinerea</i>) Alternaria Leaf Spot (<i>Alternaria brassicae</i>)	All States	1.0 L/ha	7 days	Apply two applications at 14 day intervals when conditions favour the disease. Apply using hollow cone or flat fan nozzles to give an even and through coverage. Apply in a minimum of 200 L/ha depending on crop size and density.

(Chinese Mustard, Indian Mustard), Turnip Greens, Mustard Greens, Rutabaga Greens, Mibuna, Kale					
Lettuces	Sclerotinia rot (drop) (<i>Sclerotinia sclerotiorum</i> , <i>Sclerotinia minor</i>)	All States	1.0L/ha where spray volume is less than 1000L/ha OR 100mL/ 100L water where spray volume equals or exceeds 1000L/ha	7 days	<p>Spray should be directed to the stems at ground level and to the underside of lower leaves.</p> <p>This use is subject to an Avcare fungicide resistance management strategy:</p> <ol style="list-style-type: none"> 1. Apply Barmac Fungol 500 as a seedling drench soon after emergence. 2. Apply a protectant fungicide as a high volume foliar spray before planting out, then Barmac Fungol 500 immediately after planting. 3. Maintain cover with protectant fungicide sprays at 7-10 day intervals. 4. If weather conditions favour Botrytis infection, tank mix the protectant with Barmac Fungol. 5. Do Not apply Barmac Fungol 500 (or other Group 2 Fungicides) more than four times per season, irrespective of the target disease.
	Grey mould (<i>Botrytis</i> spp.)	Tas, WA, NT only			
Potatoes	Sclerotinia rot (<i>Sclerotinia sclerotiorum</i>)	All States	500mL to 1.0L/ha where spray volume is less than 1000L/ha OR 50 to 100mL 100L water where spray volume equals or exceeds 1000L/ha	Nil	<p>Apply 2 sprays, once immediately before and once immediately after hilling-up. For most effective treatment, concentrate the spray at the base of the stem and surrounding soil surfaces, where the fungus is active. Use the higher rate where disease is severe.</p>
	Target spot, (early blight) (<i>Alternaria solani</i>)				<p>Ensure thorough coverage to the whole plant. Treatment is generally not required until after flowering. Use the higher rate where disease is severe.</p> <p>This use is subject to an Avcare fungicide resistance management strategy:</p> <ol style="list-style-type: none"> 1. Limit the use of Barmac Fungol 500 to periods when conditions favour disease development. 2. DO NOT apply more than four Barmac Fungol 500 (or other Group 2 fungicide) spray in one season. 3. Apply no more than two consecutive sprays of a Group 2 fungicide.

	Hypocotyl rot (black scurf) (<i>Rhizoctonia solani</i>)		400mL/ tonne seed material		Barmac Fungol will protect emerging shoots from hypocotyl rot, improving overall germination. Barmac Fungol 500 may also reduce occurrence of black scurf on the harvested potatoes. Ensure good coverage of seed material and planting furrow. This can be achieved by applying Barmac Fungol 500 as a fine spray to the seed at the time of planting using spray equipment mounted on the planter, and nozzles located at three points on each planter row to ensure uniform coating of the seed. DO NOT plant into waterlogged soil. A minimum water volume of 80 L/tonne seed should be used.
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CROP	DISEASE	STATE	RATE	WHP	CRITICAL COMMENTS
Tomatoes	Sclerotinia rot (<i>Sclerotinia sclerotiorum</i>)	All States	1.0L/ha where spray volume is less than 1000L/ha OR	7 days	Spray at 14-day intervals from transplanting and throughout the period of disease pressure.
	Grey mould (<i>Botrytis cinerea</i>)	All States	100mL/ 100L water where spray volume equals or exceeds 1000L/ha		Commence spraying 3 to 4 weeks after transplanting or at the outset of disease. Repeat treatment at 14-day intervals or when conditions favour spread of the disease, i.e. at trimming or deleafing. This use is subject to an Avcare fungicide resistance management strategy: 1. Alternate or tank mix Barmac Fungol 500 with protectant such chlorothalonil. Avoid applying two Barmac Fungol 500 (or other Group 2 fungicide) sprays in succession, unless tank mixed with a protectant. 2. Do not apply more than four Barmac Fungol 500 (or other Group 2 fungicide) sprays in a season.
	Target spot (early blight) (<i>Alternaria solani</i>)	Qld, Tas, WA, NT only			Commence spraying 1 week post-transplanting. Use adequate water to give thorough coverage of the plants. Use high volume spray equipment. This use is subject to an Avcare fungicide resistance management strategy: 1. Limit the use of Barmac Fungol 500 to periods when conditions favour disease development. 2. DO NOT apply more than four Barmac Fungol 500 (or other Group 2 fungicide) spray in one season. Apply no more than two consecutive sprays of a Group 2 fungicide.

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

WITHHOLDING PERIODS (WHP):

Pome fruit, potatoes, stone fruit: NOT REQUIRED WHEN USED AS DIRECTED

Strawberries: DO NOT HARVEST FOR 1 DAY AFTER APPLICATION

Grapes, lettuce, tomatoes : DO NOT HARVEST FOR 7 DAYS AFTER APPLICATION

Brassica Leafy Vegetables: DO NOT HARVEST FOR 7 DAYS AFTER APPLICATION. DO NOT GRAZE OR CUT FOR STOCK FOOD FOR 7 DAYS AFTER APPLICATION.

GENERAL INSTRUCTIONS

Fungicide Resistance Warning

GROUP	2	FUNGICIDE
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Barmac Fungol 500 Fungicide is a member of the dicarboximide group of fungicides. For fungicide resistance management the product is a Group 2 fungicide.

Some naturally occurring individual fungi resistant to Barmac Fungol 500 Fungicide and other Group 2 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 Barmac Fungol 500 Fungicide or other Group 2 fungicides, thus resulting in a reduction in efficacy.

Since the occurrence of resistant fungi is difficult to detect prior to use, Barmac Pty Ltd accepts no liability for any losses that may result from the failure of Barmac Fungol 500 Fungicide to control resistant fungi.

Special Instructions for Tree Crops/Vines

Dilute Spraying

- Use a sprayer designed to apply high spray volumes, 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 spray solution to cover the crop to the point of run-off. Avoid excessive run-off.
- The required spray volume to achieve the point of run-off may be determined by applying different test volumes, using different settings on the sprayer, or from industry guidelines or other expert advice.
- Add the amount of product as 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 to achieve the point of run-off will change and the sprayer set 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 spray volumes less than those required to reach the point of run-off).
- Set up and operate the sprayer to achieve even coverage throughout the crop canopy using your chosen spray volume.
- Determine an approximate 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 spraying 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 3X (ie $1500 \text{ L} \div 500 \text{ L} = 3$)
 4. If the dilute label rate is 10 mL/100 L water, then the concentrate rate becomes 3×10 , that is 30 mL of product per 100 L of water for concentrate spraying
- The chosen spray volume, amount of product per 100 L of water, and the sprayer operation may need to be changed as the crop grows.
- For further information on concentrate spraying, users are advised to consult relevant industry guideline, undertake appropriate competency training and follow industry Best Practices.

Mixing (other than Tree Crops/Vines):

Add the required amount of Barmac Fungol 500 Fungicide to the spray tank containing half the required volume of water. Mix thoroughly and make up to the required volume with water.

Barmac Fungol 500 Fungicide may be very unstable in conditions where the pH is 7 or greater. It is therefore essential to check the pH of the spray solution before adding Barmac Fungol 500 Fungicide. A suitable registered buffering agent may have to be added to bring the pH down below 7.

Turf nutrition:

This product acts very rapidly and where the turf is of a low nutritional status, a slight yellowing may be seen. This will be corrected by nitrogenous fertiliser application. Where possible, it is recommended that the fertiliser program should precede the fungicide application.

Compatibility:

DO NOT tank mix this product with fertilisers.

It is NOT recommended to mix this product with more than one other product in the spray tank. As formulations of other manufacturers products are beyond the control of Barmac Industries Pty Ltd all mixtures should be tested prior to mixing commercial quantities. With any mixture thoroughly agitate immediately before applying.

Note mixing this product with Chipco Aliette Signature may result in some settling out.

PROTECTION OF LIVESTOCK: Do not graze treated areas or feed turf clippings from treated areas to animals including poultry.

PROTECTION OF CROPS, NATIVE AND OTHER NON-TARGET PLANTS:

Do not apply under weather conditions or through spraying equipment that may cause spray to drift onto nearby susceptible plants/crops, cropping lands or pastures.

PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT:

Toxic to aquatic organisms. Do not contaminate streams, rivers or waterways with the chemical or used container.

STORAGE AND DISPOSAL

Store in the closed original container in a cool, well-ventilated area. Do not store for prolonged periods in direct sunlight. Store in a locked room or place away from children, animals, food, feedstuffs, seed and fertilisers.

Triple or (preferably) pressure rinse containers before disposal. Add rinsings to the spray tank. DO NOT dispose of undiluted chemicals on site. If recycling return clean container to 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 500 mm 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 eyes. Avoid contact with eyes. When opening the container and using the product wear cotton overalls buttoned to the neck and wrist [or equivalent clothing], elbow-length PVC gloves and face shield. Wash hands after use. After each day's use, wash gloves, face shield and contaminated clothing

FIRST AID

If poisoning occurs, contact a doctor or Poisons Information Centre (telephone 13 11 26).

MATERIAL SAFETY DATA SHEET

Additional information is listed on the Material Safety Data Sheet available from Barmac Pty Ltd or from our internet site www.barmac.com.au.

NOTICE

This product is designed only for the particular purposes indicated on the label. Failure to use the product strictly as directed may be illegal, prove dangerous and render the product ineffective. The buyer or user is responsible for any misuse or negligence in the handling, storage, use of or disposal of this material. Barmac Pty Ltd will not accept any responsibility whatsoever and howsoever arising and whether for consequential loss or otherwise in connection with the supply and use of this product other than those responsibilities mandatorily imposed by Statutes applicable to the sale and supply of these goods.