



# AZOXYSTROBIN 500WG FUNGICIDE

ACTIVE CONSTITUENT: 500 g/kg AZOXYSTROBIN

**GROUP 11 FUNGICIDE**

For the control of various diseases of grapes, potatoes, tomatoes, cucurbits, avocados, mangoes, passionfruit and poppies as per the Direction for Use.

**IMPORTANT: READ THIS BOOKLET THOROUGHLY BEFORE USING THIS PRODUCT**

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Batch Number: \_\_\_\_\_ Date of Manufacture: \_\_\_\_\_

APVMA Approval No: 67257/55630

## DIRECTIONS FOR USE

### Restraint

DO NOT apply by air, except on potatoes

TREE AND VINE CROPS				RATE	CRITICAL COMMENTS
In the following table: "Tree and Vine Crops" all rates given are for dilute spraying. For concentrate spraying, refer to the Application Section.					
CROP	DISEASE	RATE/100L	WHP		
Avocado	Stem end rot, anthracnose	40 g	7 days	Apply 4Farmers Azoxystrobin 500 WG Fungicide in a preventative fungicide program containing fungicides from a different chemical group. For best results commence the disease control program with an approved fungicide from an alternative chemical group, then apply one application of 4Farmers Azoxystrobin 500 WG Fungicide during early fruit set. Follow with applications of an approved fungicide from a different chemical group. Apply two final applications of 4Farmers Azoxystrobin 500 WG Fungicide at 14 to 28 day intervals with the final spray applied seven days prior to harvest. Ensure thorough spray coverage.  <b>Resistance Management</b> Disease control may be reduced if strains of pathogens less sensitive to 4Farmers Azoxystrobin 500 WG Fungicide develop. DO NOT use 4Farmers Azoxystrobin 500 WG Fungicide curatively. If consecutive applications of 4Farmers Azoxystrobin 500 WG Fungicide are used they must be followed by at least the same number of applications of fungicide(s) from a different group(s) before 4Farmers Azoxystrobin 500 WG Fungicide is used again in that crop in the current or following season. Apply a maximum of three applications of 4Farmers Azoxystrobin 500 WG Fungicide per season. DO NOT apply more than two consecutive applications of 4Farmers Azoxystrobin 500 WG Fungicide. DO NOT start the disease control program with 4Farmers Azoxystrobin 500 WG Fungicide.	
Grapes (Table, Wine and Dried)	Powdery mildew ( <i>Uncinular necator</i> ) Downy mildew ( <i>Plasmopara Viticola</i> )  Botrytis Bunch Rot ( <i>Botrytis cinerea</i> )	37.5 g to 50 g	14 days	<b>Application Method and Rate</b> Apply in a sufficient volume of water to achieve thorough coverage of all foliage and fruit. The volume of water required to achieve this will depend on the stage of vine growth and vigour. Ensure thorough coverage. Adjust spray nozzles to direct spray droplets to the canopy present. Apply the higher rate of application in the following circumstances; 1. Where humid conditions favour powdery mildew infection, particularly on susceptible varieties. 2. At this stage of the season when there has been a heavy carry over of powdery mildew infection (flag shoots are present).  <b>Spray Timing and Interval</b> Apply two or three consecutive applications at 10 to 16 day intervals at any time between early shoot growth and 14 days before harvest. Use the recommended shorter interval during periods when climatic conditions are favourable for disease infection.  <b>Botrytis Bunch Rot</b> 4Farmers Azoxystrobin 500 WG Fungicide must not be used along for Botrytis control at critical times such as 80 to 100% capfall and pre-harvest. It must be tank mixed with or substituted by a specific Botryticide at these critical times. When 4Farmers Azoxystrobin 500 WG Fungicide is used in a seasonal spray programme it will provide control of Botrytis additional to that of specific Botryticides such as Bravo®.  <b>Resistance Management</b> Disease control may be reduced if strains of pathogens less sensitive to 4Farmers Azoxystrobin 500 WG Fungicide develop. DO NOT use 4Farmers Azoxystrobin 500 WG Fungicide curatively. As a precaution, DO NOT apply more than a total of 3 applications of 4Farmers Azoxystrobin 500 WG Fungicide per crop in one season. If consecutive applications of 4Farmers Azoxystrobin 500 WG Fungicide are used they must be followed by at least the same number of applications of fungicide(s) from a different group(s) before 4Farmers Azoxystrobin 500 WG Fungicide is used again in that crop in the current or following season. DO NOT use 4Farmers Azoxystrobin 500 WG Fungicide for disease control in grapevine nurseries.	
Mango	Stem end rot, anthracnose	40 g	3 days	Apply 4Farmers Azoxystrobin 500 WG Fungicide in a preventative fungicide program containing fungicides from a different chemical group. For best results apply one to two applications of 4Farmers Azoxystrobin 500 WG Fungicide at flowering and early fruit set, at no less than 14 day intervals. Follow with applications of an approved fungicide from a different chemical group. Further applications of 4Farmers Azoxystrobin 500 WG Fungicide may be applied at 21 days and 3 to 7 days prior to harvest. Ensure thorough coverage.  <b>Resistance Management</b> Disease control may be reduced if strains of pathogens less sensitive to 4Farmers Azoxystrobin 500 WG Fungicide develop. DO NOT use 4Farmers Azoxystrobin 500 WG Fungicide curatively. If consecutive applications of 4Farmers Azoxystrobin 500 WG Fungicide are used they must be followed by at least the same number of applications of fungicide(s) from a different group(s) before 4Farmers Azoxystrobin 500 WG Fungicide is used again in that crop in the current or following season. Apply a maximum of three applications of 4Farmers Azoxystrobin 500 WG Fungicide per season. DO NOT apply more than 2 consecutive applications of 4Farmers Azoxystrobin 500 WG Fungicide. DO NOT start the disease con program with 4Farmers Azoxystrobin 500 WG Fungicide.	

TREE AND VINE CROPS				RATE	CRITICAL COMMENTS
In the following table: "Tree and Vine Crops" all rates given are for dilute spraying. For concentrate spraying, refer to the Application Section.					
CROP	DISEASE	RATE/100L	WHP		
Passionfruit	<i>Alternaria, Cladosprium</i>	40 g	1 day	Apply 4Farmers Azoxystrobin 500 WG Fungicide in a preventative fungicide program containing fungicides from a different chemical group. For best results apply 2 to 3 applications of 4Farmers Azoxystrobin 500 WG Fungicide at 14 day intervals over flowering. Follow with applications of an approved fungicide from a different chemical group. Apply a further 1 to 2 applications of 4Farmers Azoxystrobin 500 WG Fungicide finishing 1 day prior to harvest. Ensure thorough spray coverage.  <b>Resistance Management</b> Disease control may be reduced if strains of pathogens less sensitive to 4Farmers Azoxystrobin 500 WG Fungicide develop. DO NOT use 4Farmers Azoxystrobin 500 WG Fungicide curatively. DO NOT apply more than 1/3 of the total number of fungicide applications. For example, if the total number of fungicides applied to the crop is 9, DO NOT apply more than 3 applications of 4Farmers Azoxystrobin 500 WG Fungicide. DO NOT exceed 5 applications of 4Farmers Azoxystrobin 500 WG Fungicide per crop. DO NOT apply more than two consecutive applications of 4Farmers Azoxystrobin 500 WG Fungicide. DO NOT start the disease control program with 4Farmers Azoxystrobin 500 WG Fungicide.	
Poppies	Downy mildew	375 g/ha	6 weeks	Apply 4Farmers Azoxystrobin 500 WG Fungicide in a preventative fungicide program containing fungicides from a different chemical group. <b>Apply 4Farmers Azoxystrobin 500 WG Fungicide preventatively before disease symptoms appear.</b> Ensure thorough spray coverage.  <b>Resistance Management</b> Disease control may be reduced if strains of pathogens less sensitive to 4Farmers Azoxystrobin 500 WG Fungicide develop. DO NOT use 4Farmers Azoxystrobin 500 WG Fungicide curatively. Apply a maximum of 2 applications of 4Farmers Azoxystrobin 500 WG Fungicide per crop.	
Potato	Early Blight (Target Spot) ( <i>Alternaria solani</i> )  Late Blight ( <i>Phytophthora infestans</i> )	150 to 200 g/ha  250 to 300g/ha	–	Apply the higher rates when climatic conditions favour early blight or late blight infection and in crops with large canopies.  <b>Application</b> 4Farmers Azoxystrobin 500 WG Fungicide may be applied by ground or aerial application equipment in potatoes. Aerial application may be used only for early blight (target spot) control. Apply in a sufficient volume of water to achieve thorough coverage of all foliage. The volume of water required to achieve this will depend on the stage of growth of the potatoes. <b>For ground application</b> , a volume of 200 to 300 L/ha is suggested at the start of the season increasing to 500 to 600 L/ha in a vigorous crop at full canopy. <b>For aerial application (Early Blight only)</b> , a volume of 30 to 40 L/ha is recommended.  <b>Spray Interval</b> Consecutive applications should be applied at 7 to 14 day intervals at any time between early shoot growth and 14 days before harvest. Use the recommended shorter applications interval in the following circumstances. 1. Under humid weather conditions which are favourable for early or late blight infection. 2. When there is rapid vegetation growth during the early part of the crop cycle. 3. At the first sign of late blight infection.	
				<b>Resistance Management</b> Disease control may be reduced if strains of pathogens less sensitive to 4Farmers Azoxystrobin 500 WG Fungicide develop. Apply 4Farmers Azoxystrobin 500 WG Fungicide in a protective spray program. DO NOT wait until disease levels have built up to make applications as this reduces the effectiveness of control and increases the risk of resistance development. As a precaution, do not apply more than 1/3 of the total fungicide sprays per crop as 4Farmers Azoxystrobin 500 WG Fungicide. A maximum of 3 consecutive applications of 4Farmers Azoxystrobin 500 WG Fungicide are to be applied. They must be preceded and followed by at least 3 applications of fungicide(s) from a different fungicide group(s) such as Bravo 720, before 4Farmers Azoxystrobin 500 WG Fungicide is used again in that crop. Where late blight infection has occurred it is recommended that single sprays of 4Farmers Azoxystrobin 500 WG Fungicide be alternated with 2 sprays of Bravo 720 or a fungicide(s) from another group(s). Where crops are grown successively alternation should continue between crops.	

TREE AND VINE CROPS			
RATE			CRITICAL COMMENTS
In the following table: “Tree and Vine Crops” all rates given are for dilute spraying. For concentrate spraying, refer to the Application Section.			For all uses in the table “Tree and Vine Crops”: 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. When applying 4Farmers Azoxystrobin 500 WG Fungicide through low volume application equipment, DO NOT use a concentrate factor greater than 4X. In these cases adequate coverage of all plant surfaces is still required to achieve control of disease.
CROP	DISEASE	RATE/100L	WHP
Tomato (except greenhouse)	Early Blight (Target Spot) ( <i>Alternaria solani</i> )	200 g/ha OR 20 g/100 L	1 day
	Late Blight ( <i>Phytophthora infestans</i> )  Sclerotinia ( <i>Sclerotinia minor</i> )	250 to 300 g/ha OR 25 to 30 g/100 L	
Cucurbits	Powdery mildew ( <i>Sphaerotheca fuliginea</i> )  Downy mildew ( <i>Pseudoperonospora cubensis</i> )  Gummy Stem Blight (Didymella bryoniae)	40 to 60 g/100 L   60g/100L	1 day

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

#### WITHHOLDING PERIODS

**AVOCADOS: DO NOT HARVEST FOR 7 DAYS AFTER APPLICATION**  
**CUCURBITS, PASSIONFRUIT, TOMATOES: DO NOT HARVEST FOR 1 DAY AFTER APPLICATION**  
**GRAPES: DO NOT HARVEST FOR 14 DAYS AFTER APPLICATION**  
**MANGOES: DO NOT HARVEST FOR 3 DAYS AFTER APPLICATION**  
**POPPIES: DO NOT HARVEST FOR 6 WEEKS AFTER APPLICATION**  
**POTATOES: NOT REQUIRED WHEN USED AS DIRECTED**

#### WARNING

4Farmers Azoxystrobin 500 WG Fungicide is extremely phytotoxic to certain apple varieties.

AVOID SPRAY DRIFT. Extreme care must be used to prevent injury to apple trees.

**DO NOT** spray 4Farmers Azoxystrobin 500 WG Fungicide where spray drift may reach apple trees.

**DO NOT** spray when conditions favour drift beyond the area intended for application. Conditions that may contribute to drift include thermal inversions, excessive wind speed, certain sprayer nozzle/pressure combinations, small spray droplets size, etc.

**DO NOT** use spray equipment that has been previously used to apply 4Farmers Azoxystrobin 500 WG Fungicide to spray apple trees. Even trace amounts can cause unacceptable phytotoxicity.

#### GENERAL INSTRUCTIONS

##### Application

DO NOT use concentration factors exceeding 4X when applying through low volume application equipment, except when applying 4Farmers Azoxystrobin 500 WG Fungicide by air. In these cases adequate coverage of all plant surfaces is still required to achieve control of diseases.

##### Mixing

Fill tank 50 to 75% full then start agitation. Slowly pour granules into tank and maintain agitation throughout spraying. DO NOT pre-mix 4Farmers Azoxystrobin 500 WG Fungicide granules.

##### Application in Tree Crops and 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 Direction 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 spreader set up and operation may also need to be changed, as the crop grows.

**Concentrate Spraying:** Use a sprayer designed to 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

- Dilute spray volume as determined above: for example 1000 L/ha
- Your chosen concentrate spray volume: for example 500 L/ha
- The concentration factor in this example is 2 x (i.e. 1000L÷500L=2)
- If the dilute label rate is 50 g/100 L, then the concentrate rate becomes 2x50, that is 100 g/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/Tank Mixing

4Farmers Azoxystrobin 500 WG Fungicide may be mixed in the spray vat with any of the following products: Ambush®, Bravo®, Captan WG, Copper Hydroxide, Dominex\*100, Dipel\* DF, Karate EC, Larvin\*375, Fortress\*500, Talstar\*80SC, Thiodan\*.

A mixture of 4Farmers Azoxystrobin 500 WG Fungicide with more than one of these products or with any other product may be ineffective or may cause serious damage. The use of such a mixture is not recommended and would therefore be entirely at the user's risk.

If tank mixes are to be used observe all directions, precautions and limitations on all products to be used.

**Note:** On some tomato varieties tank mixtures of 4Farmers Azoxystrobin 500 WG Fungicide and Lorsban\*500EC or Nitofol\* or Supracide, or Lebaycid\* or Kelthane\*MF have been found to be phytotoxic. Do not tank mix these products with 4Farmers Azoxystrobin 500 WG Fungicide.

##### Export of Treated Produce

###### Grapes

While maximum residue limits have been set in many major wine export destinations, some export destinations have not finalised MRL applications. For further information regarding export tolerances please contact your winery, 4Farmers Australia Pty Ltd or the Australian Wine Research Institute.

###### Other Crops

While maximum residue limits have been set in many major export destinations, it should be noted that MRLs or import tolerances may not be established in all export destinations. For further information regarding export tolerances please contact your export organisation or 4Farmers Australia Pty Ltd.

#### FUNGICIDE RESISTANCE WARNING

<b>GROUP</b>	<b>11</b>	<b>FUNGICIDE</b>
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4Farmers Azoxystrobin 500 WG Fungicide is a member of the Quinone outside Inhibitors (QoIs) and related products group of fungicides. For fungicide resistance management the product is a Group 11 fungicide.

Some naturally occurring individual fungi resistant to the product and other Group 11 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 11 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, 4Farmers Australia Pty Ltd accepts no liability for any losses that may result from the failure of this product to control resistant fungi.

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

HIGHLY TOXIC TO AQUATIC LIFE. DO NOT contaminate dams, waterways or drains with the chemical or used containers.

DO NOT apply under weather conditions or from spraying equipment which could be expected to cause spray drift on adjacent areas, particularly wetlands, waterbodies or watercourses.

#### STORAGE AND DISPOSAL

Store in the closed, original container in a cool, well ventilated area. DO NOT store for prolonged periods in direct sunlight.

Triple or preferably rinse containers 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 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

Will irritate the eyes and skin. Avoid contact with eyes and skin. When opening the container and preparing spray wear:

- elbow-length PVC gloves and
- face shield or goggles.

If product in eyes, wash it out immediately with water. Wash hands after use.

After each day's use, wash gloves and face shield or goggles.

#### FIRST AID

If poisoning occurs, contact a doctor or Poisons Information Centre. Phone 13 11 26. If in eyes, hold eyes open, flood with water for a t least 15 minutes and see a doctor.

#### SAFETY DATA SHEET

If additional hazard information is required refer to the Safety Data Sheet. For a copy visit our website [www.4farmers.com.au](http://www.4farmers.com.au)

#### CONDITION OF SALE

This product must be used strictly as directed, and in accordance with all instructions appearing on the label and in other reference material. So far as it is lawfully able to do so, 4Farmers Australia Pty Ltd accepts no liability or responsibility for loss or damage arising from failure to follow such directions and instructions

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<b>In a Transport Emergency Dial 000 Police or Fire Brigade</b>	<b>Special Poisons Advice: 13 11 26</b>
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