

CAUTION

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

The logo for Amistar Top Fungicide features a stylized graphic of a leaf or blade in red and blue to the left of the text. The text 'Amistar Top' is in a bold, sans-serif font, with 'Amistar' in black and 'Top' in red. A registered trademark symbol (®) is located to the upper right of 'Top'. Below this, the word 'Fungicide' is written in a smaller, black, sans-serif font.

Amistar Top[®]
Fungicide

The Syngenta logo consists of the word 'syngenta.' in a lowercase, sans-serif font. A small green leaf icon is positioned above the letter 'g'. The logo is set against a dark blue background.

syngenta.

ACTIVE CONSTITUENTS: 200 g/L AZOXYSTROBIN
125 g/L DIFENOCONAZOLE

GROUP	3	11	FUNGICIDE
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*For the control of various diseases of Carrots, Potatoes
and Tomatoes as per the Directions for Use*

Syngenta Crop Protection Pty Limited
Level 1, 2-4 Lyonpark Road, Macquarie Park, NSW 2113

In a transport emergency dial 000, Police or Fire Brigade
For specialist advice in an emergency only, call 1800 033 111 (24 hours)

APVMA Approval No: 63898/50816
Item number

TM

DIRECTIONS FOR USE

Restraints

DO NOT apply more than 6 applications of this product per season for potatoes and tomatoes

DO NOT apply more than 3 applications in carrots

DO NOT apply by aircraft, except on potatoes

Spray Drift Restraints

DO NOT apply with spray droplets smaller than a **MEDIUM** spray droplet size category according to nozzle manufacturer specifications that refer to ASAE S572 Standard or the BCPC Guideline.

DO NOT apply when wind speed is less than 3 or more than 20 kilometres per hour as measured at the application site

DO NOT apply during surface temperature inversion conditions at the application site

Users of this product **MUST make an accurate written record** of the details of each spray application within 24 hours following application and **KEEP** this record for a minimum of 2 years. The spray application details that must be recorded are: 1. date with start and finish times of application; 2. location address and paddock/s sprayed; 3. full name of this product; 4. amount of product used per hectare and number of hectares applied to; 5. crop/situation and weed/pest; 6. wind speed and direction during application; 7. air temperature and humidity; 8. nozzle brand, type, spray angle, nozzle capacity and spray system pressure measured during application; 9. name and address of person applying this product. (Additional record details may be required by the state or territory where this product is used)

Mandatory No-Spray Zones

DO NOT apply if there are aquatic and wetland areas including aquacultural ponds, surface streams and rivers downwind from the application area and within the **mandatory no-spray zones** shown in Table 1 below.

Table 1 – No-Spray Zones for Protection of the Aquatic Environment		
For Aerial Application		
Wind speed range at time of application	Downwind mandatory no-spray zone	
	Fixed wing	Helicopter
from 3 to 8 kilometres per hour	40 metres	40 metres
from 9 to 20 kilometres per hour	60 metres	60 metres
For Ground Application		
No <i>Downwind No-Spray Zone</i> required when applied as MEDIUM spray quality		

Crop	Disease	Rate	WHP	Critical Comments
Carrots	Leaf Blight (<i>Alternaria dauci</i> and <i>Cercospora carotae</i>),	500 or 1000 mL/ha	7 days	<p>Use in a protectant program commencing before disease occurs.</p> <p>Application Apply in a sufficient volume of water to achieve thorough coverage of all foliage. Apply the 500 mL rate at 7 day intervals and the 1000 mL rate at 10 to 14 day intervals. Use the higher rates when climatic conditions are humid and mild, which are favourable for disease infection.</p> <p>Spray Interval Consecutive applications should be applied at 7 to 14 day intervals commencing from first signs of infection. Use the recommended shorter application interval in the following circumstances:</p> <ol style="list-style-type: none"> 2. Under weather conditions which are favourable for disease infection and development. 3. When there is rapid vegetative growth during the early part of the crop cycle. <p>Resistance Management Apply AMISTAR TOP in a protective spray program before disease occurs. DO NOT exceed more than 50% of the total sprays or a maximum of 3 AMISTAR TOP applications in total, whichever is the lower. DO NOT apply more than 2 consecutive applications. Where consecutive applications of AMISTAR TOP are used they must be followed by at least the same number of applications of fungicide(s) from a different group(s) such as Bravo before AMISTAR TOP is used again in that crop.</p>
	Powdery Mildew (<i>Erysiphe herclei</i>)	1000 mL/ha		<p>Use in a protectant program commencing before disease occurs, particularly during weather conditions that favour disease development. Apply at 10 to 14 day intervals in a sufficient volume of water to achieve thorough coverage of all foliage.</p> <p>Resistance Management Apply AMISTAR TOP in a protective spray program before disease occurs. DO NOT exceed more than 50% of the total sprays or a maximum of 3 AMISTAR TOP applications in total, whichever is the lower. DO NOT apply more than 2 consecutive applications. Where consecutive applications of AMISTAR TOP are used they must be followed by at least the same number of applications of fungicide(s) from a different group(s) before AMISTAR TOP is used again in that crop.</p>

Crop	Disease	Rate	WHP	Critical Comments
Potatoes	Early Blight (Target Spot) (<i>Alternaria solani</i>)	375 to 500 mL/ha	7 days	<p>Apply the higher rates when climatic conditions favour Early Blight or Late Blight infection and in crops with large canopies.</p> <p>Application AMISTAR TOP 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.</p> <p>Ground Application: 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.</p> <p>Aerial Application (Early Blight only): A volume of 30 to 40 L/ha is recommended.</p> <p>Spray Interval 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 application interval in the following circumstances.</p> <ol style="list-style-type: none"> Under humid weather conditions which are favourable for Early or Late Blight infection. When there is rapid vegetative growth during the early part of the crop cycle. At the first sign of Late Blight infection. <p>Resistance Management Apply AMISTAR TOP in a protective spray program before disease occurs. DO NOT exceed more than 50% of the total sprays or a maximum of 6 AMISTAR TOP applications in total, which ever is the lower. DO NOT apply more than 3 consecutive applications. Where consecutive applications of AMISTAR TOP are used they must be followed by at least the same number of applications of fungicide(s) from a different group(s) such as Bravo® before AMISTAR TOP is used again in that crop.</p>
	Late Blight (<i>Phytophthora infestans</i>)	625 to 750 mL/ha		
Tomatoes except greenhouse	Early Blight (Target Spot) (<i>Alternaria solani</i>)	500 mL/ha or 50 mL/100 L	3 days	<p>Application 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 tomatoes and the method of trellising which influences canopy volume (refer to sections on Dilute and Concentrate Spraying). In the case of dilute spraying (mL/100 L) apply in the range of 400 to 500 L/ha after transplanting and increase to 800 to 1000 L/ha at full canopy. In the case of fully trellised tomatoes at full canopy, application volumes should be increased to 1500 L/ha to achieve these results with high volume spraying. For Late Blight and Sclerotinia control use the higher rates when climatic conditions are humid and mild, which are favourable for disease infection.</p> <p>Spray Interval Consecutive applications should be applied at 7 to 14 day intervals commencing soon after transplanting and continuing up to fruit maturity. Use the recommended shorter application interval in the following circumstances:</p> <ol style="list-style-type: none"> Under humid weather conditions which are favourable for disease infection. When there is rapid vegetative growth during the early part of the crop cycle. <p>Resistance Management Apply AMISTAR TOP in a protective spray program before disease occurs. DO NOT exceed more than 50% of the total sprays or a maximum of 6 AMISTAR TOP applications in total, which ever is the lower. DO NOT apply more than 3 consecutive applications. Where consecutive applications of AMISTAR TOP are used they must be followed by at least the same number of applications of fungicide(s) from a different group(s) such as Bravo before AMISTAR TOP is used again in that crop.</p>
	Late Blight (<i>Phytophthora infestans</i>), Sclerotinia (<i>Sclerotinia minor</i>)	625 to 750 mL/ha or 63 to 75 mL/100 L		
	Powdery Mildew (<i>Leveillula taurica</i> and <i>Oidium lycopersici</i>)	500 or 750 mL/ha or 50 or 75 mL/100 L		

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

WITHHOLDING PERIODS

Carrots, Potatoes: DO NOT HARVEST FOR 7 DAYS AFTER APPLICATION

Tomatoes: DO NOT HARVEST FOR 3 DAYS AFTER APPLICATION

WARNING

AMISTAR TOP is extremely phytotoxic to certain apple varieties.

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

DO NOT spray AMISTAR TOP 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 droplet size, etc.

DO NOT use spray equipment that has been previously used to apply AMISTAR TOP to spray apple trees. Even trace amounts can cause unacceptable phytotoxicity.

GENERAL INSTRUCTIONS

Mixing

Half fill the spray tank with clean water and start agitation. Shake the closed AMISTAR TOP container. Whilst filling the remainder of the spray tank add the required amount of AMISTAR TOP, adding any tank mix products last. Maintain agitation until spraying is complete. **DO NOT** leave the spray mix in the sprayer overnight.

Application

Thorough coverage is essential for effective results.

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

Aerial Application: Use 30 - 40 L water/ha. Apply using a medium spray quality

Ground Application: Use at least 100 L water/ha. Apply using a medium spray quality.

Trellised Tomatoes

Dilute Spraying: Use a sprayer designed to apply high volumes of water up to the point of runoff 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 runoff. Avoid excessive runoff. 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 runoff. 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 runoff) 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) 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 1000 L/ha
2. Your chosen concentrate spray volume: for example 500 L/ha
3. The concentration factor in this example is: $2 \times$ (ie $1000 \text{ L} \div 500 \text{ L} = 2$)
4. If the dilute label rate is 80 mL/100 L, then the concentrate rate becomes 2×80 , that is 160 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/Tank Mixing

If tank mixes are to be used observe all directions, precautions and limitations on all products to be used. As formulations of other manufacturer's products are beyond the control of Syngenta Crop Protection, and water quality varies with location, all mixtures should be tested prior to mixing commercial quantities.

Fungicide Resistance Warning

GROUP	3	11	FUNGICIDE
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AMISTAR TOP FUNGICIDE is a combination of a DMI and a strobilurin and related products fungicide. For fungicide resistance management AMISTAR TOP is both a Group 3 and a Group 11 fungicide. Some naturally occurring individual fungi resistant to AMISTAR TOP and other Group 3 and/or Group 11 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 AMISTAR TOP or other Group 3 and/or 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, Syngenta Crop Protection Pty Ltd accepts no liability for any losses that may result from the failure of AMISTAR TOP to control resistant fungi.

PRECAUTIONS

Re-entry Period: DO NOT enter treated areas until the spray has dried unless wearing cotton overalls buttoned to the neck and wrist (or equivalent clothing) and chemical resistant gloves. Clothing must be laundered after each day's use.

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 pressure rinse containers before disposal. Add rinsings to spray tank. If recycling, replace cap 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 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.

SAFETY DIRECTIONS

Harmful if inhaled. May irritate the eyes, nose and throat. Repeated exposure may cause allergic disorders. Avoid contact with the eyes. DO NOT inhale spray mist. When opening the container, mixing and loading, and using the prepared spray wear:

- cotton overalls buttoned to the neck and wrist (or equivalent clothing)
- elbow-length chemical resistant gloves

Wash hands after use. After each days use wash gloves and contaminated clothing.

FIRST AID

If poisoning occurs, contact a doctor or Poisons Information Centre. Phone Australia 131 126

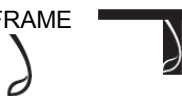
MATERIAL SAFETY DATA SHEET:

If additional hazard information is required refer to the Material Safety Data Sheet. For a copy phone 1800 067 108 or visit our website at www.syngenta.com.au

MANUFACTURER'S WARRANTY AND EXCLUSION OF LIABILITY

Syngenta has no control over storage, handling and manner of use of this product. Where this material is not stored, handled or used correctly and in accordance with directions, no express or implied representations or warranties concerning this product (other than non-excludable statutory warranties) will apply. Syngenta accepts no liability for any loss or damage arising from incorrect storage, handling or use.

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