

Amistar[®] Top

syngenta.

Reg. No. L7897 Act No. 36 of 1947 N-AR 1008 (Namibia) W130609 (Botswana)

A broad spectrum suspension concentrate fungicide with systemic, translaminar and contact properties for the preventative control of different leaf diseases in crops as listed.



Hazard statements:

Harmful if swallowed or if inhaled. May cause an allergic skin reaction. Very toxic to aquatic life with long-lasting effects.

Precautionary statements:

Prevention: Avoid breathing mist or vapours. Wash skin thoroughly after handling. Wear protective gloves. **Response:** If inhaled, remove person to fresh air and keep comfortable for breathing. Call a POISON CENTRE/doctor if you feel unwell. If skin irritation or rash occurs, get medical advice/attention. Collect spillage.

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GROUP **11** FUNGICIDE
3

Active Ingredients:
azoxystrobin (strobilurin)..... 200 g/l
difenoconazole (triazole)..... 125 g/l



WARNING

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1. WARNINGS:

Hazard statements: Harmful if swallowed or if inhaled. May cause an allergic skin reaction. Very toxic to aquatic life with long-lasting effects.

Withholding periods: Minimum number of days between last application and harvest.

BRASSICA (Broccoli, cabbage, brussel sprouts, cauliflower and kale).....	3 days
BULB VEGETABLES (Bulb onion, chives, garlic and leek).....	7 days
CARROTS	7 days
CUCURBITS (Melon, watermelon, pumpkin, squash, zucchini, cucumber and gherkin, excluding patty pans).....	3 days
DRY BEANS	45 days
GRAIN SORGHUM	14 days
GROUNDNUTS	28 days
MAIZE AND SWEETCORN	*
NUTS (Almonds).....	28 days
NUTS (Cashew, macadamia and pecan).....	45 days
NUTS (Pistachio).....	14 days
PATTY PANS	1 day
PEPPERS (Bell/sweet/chilli pepper, paprika, pimento and piquante).....	7 days
POTATOES	14 days
STRAWBERRIES	1 day
TOMATOES	7 days
TUBEROUS CROPS (Cassava, ginger and sweet potato).....	14 days

* MAIZE AND SWEETCORN

Adhere to a withholding period of 28 days if the lower dosage is applied, and three (3) months for the higher dosage. At the higher dosage rate, do not allow any grazing.

NOTE: Compliance with these withholding periods will ensure that residues do not exceed local maximum residue limits (MRL).

- Harmful if swallowed or if inhaled.
- Toxic to fish and harmful to other aquatic life. May cause long-term adverse effects in aquatic environments.

- Avoid contact with skin or eyes, since product may cause eye and skin irritation and skin sensitisation.
- Store away from food and feed.
- Keep out of reach of children, uninformed persons and animals.
- **Re-entry:** Do not enter treated area until spray deposit has dried. **Aerial application:** Notify all inhabitants in the immediate vicinity of the area to be sprayed and issue the necessary warnings. Do not spray over or allow drift to contaminate water or adjacent areas.

Although this remedy has been extensively tested under a large variety of conditions, the registration holder does not warrant that it will be efficacious under all conditions because the action and effect thereof may be affected by factors such as abnormal soil, climatic and storage conditions, quality of dilution water, compatibility with other substances not indicated on the label and the occurrence of resistance of the weed against the remedy concerned, as well as by the method, time and accuracy of application. The registration holder furthermore does not accept responsibility for damage to crops, vegetation and the environment, or harm to people or animals or for lack of performance of the remedy concerned due to failure of the user to follow the label instructions or to the occurrence of conditions, that could not have been foreseen in terms of the registration. Consult the supplier in the event of any uncertainty.

2. PRECAUTIONS:

Precautionary statements: Prevention: Avoid breathing mist or vapours. Wash skin thoroughly after handling. Wear protective gloves. **Response:** If inhaled, remove to fresh air and keep comfortable for breathing. Call a POISON CENTRE/doctor if you feel unwell. If skin irritation or rash occurs get medical advice/attention. Collect spillage.

- Do not eat, drink, or smoke while handling this product.
- Prevent contamination of food, feed, drinking water and eating utensils.
- Avoid contact with skin or eyes and inhalation of spray mist.
- Wear rubber gloves and a face shield when handling the product. If you get product in your eyes, flush it out at

once. If you get it on your skin, wash it off at once. If you spill it on your clothes, change and wash it.

- Invert the empty container over the spray or mixing tank and allow to drain for at least 30 seconds after the flow has slowed down to a drip. Thereafter, rinse the container three (3) times with a volume of water equal to a minimum of 10% of that of the container. Add the rinsate to the contents of the spray tank before destroying the container in the prescribed manner.
- While spraying, avoid contact with the spray as much as possible. Avoid spray drift onto other crops, grazing, rivers, or dams.
- Clean applicator thoroughly after use and dispose of cleansing water where it will not contaminate crops, grazing, rivers, or dams.
- Destroy empty container in the prescribed manner and do not use for any other purpose.
- Change and wash your work clothes. Wash yourself.

3. RELEVANT SUBSTANCES:

Chemical name	
azoxystrobin (ISO)	
Classification	Concentration (% w/w)
Acute Tox. 3; H331 Aquatic Acute 1; H400 Aquatic Chronic 1; H410 M-Factor (Acute aquatic toxicity): 10 M-Factor (Chronic aquatic toxicity): 10	≥ 10 - < 20
Chemical name	
C16-18 alcohols, ethoxylated	
Classification	Concentration (% w/w)
Acute Tox. 4; H302 Eye Dam. 1; H318	≥ 10 - < 20
Chemical name	
difenoconazole	
Classification	Concentration (% w/w)
Acute Tox. 4; H302 Eye Irrit. 2; H319 Aquatic Acute 1; H400 Aquatic Chronic 1; H410 M-Factor (Acute aquatic toxicity): 10 M-Factor (Chronic aquatic toxicity): 10	≥ 10 - < 20
Chemical name	
1,2-benzisothiazol-3(2H)-one	
Classification	Concentration (% w/w)
Acute Tox. 4; H302 Skin Irrit. 2; H315 Eye Dam. 1; H318 Skin Sens. 1; H317 Aquatic Acute 1; H400 Aquatic Chronic 2; H411 M-Factor (Acute aquatic toxicity): 1	≥ 0,025 - < 0,05

4. RESISTANCE MANAGEMENT:

AMISTAR TOP is classified as a group code 11 and 3

fungicide. Any fungus population may contain individuals naturally resistant to **AMISTAR TOP** and other group code 11 and 3 fungicides. The resistant individuals can eventually dominate the fungus population if these fungicides are used repeatedly and exclusively in programs. These resistant fungi may not be controlled by **AMISTAR TOP** or any other group code 11 and 3 fungicides.

To delay fungicide resistance:

- Avoid exclusive repeated use of fungicides from the same fungicide group code. Alternate or tank mix with products from different fungicide group codes. Refer to individual product labels when alternating products or when using tank mixtures.
- Integrate other control methods (chemical, cultural, biological) into disease control programs.

4.1 General

- **AMISTAR TOP** should always be applied preventatively as prescribed in the recommendations table.
- **AMISTAR TOP** must be applied as a full-cover spray.
- Do not reduce the dosage rates below that which are recommended on the label.
- Never use **AMISTAR TOP** as a corrective or curative treatment, or after the unsuccessful application of any product.
- When tank mixing or alternating with other fungicides, use mixing partners that provide satisfactory disease control when used alone at the mixing rate.

For specific information on resistance management, contact the registration holder of this product (Syngenta South Africa) or visit the FRAC website at <http://www.frac.info/frac/index.html>.

5. DIRECTIONS FOR USE: Use only as indicated.

5.1 Compatibility

AMISTAR TOP is compatible with most fungicides, insecticides and acaricides with the exception of products containing heavy metals.

The compatibility of **AMISTAR TOP** may be influenced by the formulation of the products involved as well as the quality of the water. Since the formulation of other products may change without the knowledge of Syngenta and the quality of water may vary from farm to farm, a physical compatibility test should always be carried out prior to application.

5.2 Mixing Instructions

- Half-fill the spray tank with clean water. Add the required amount of **AMISTAR TOP** to the spray tank and top-up with water to the required volume while agitating continuously.
- If **AMISTAR TOP** needs to be used in tank mix combinations, full cognisance must be taken of all WARNINGS, PRECAUTIONS and DIRECTIONS FOR USE on that label.
- First, mix small quantities of the chemicals separately with water. Check for any signs of incompatibility e.g., flocculation etc. It is recommended to add **AMISTAR TOP** first and the mixing partner second while agitating continuously. If mixing partners are packed in water-

soluble bags, add the soluble bags first and then **AMISTAR TOP**.

- Continue agitation throughout application and do not allow the tank mixture to stand still for any period of time.

5.3 Application

Ensure that the applicator to be used is in a good working condition and correctly calibrated. Use the spray volumes as indicated in the relevant tables to ensure good coverage. Ensure thorough agitation of the mixture in the tank during mixing and spraying. Avoid spray overlap due to possible crop damage that may occur.

Influence of rain on application: Should it rain within two (2) hours after application, the application must be repeated.

5.3.1 Ground application

AMISTAR TOP may be applied with conventional high volume spray equipment. Calibrate the apparatus before application to ensure that the correct dosage is applied. The distribution of the spray volume must be uniform throughout the target area. Ensure good coverage of the whole plant (including the stems and leaves) by using enough water and suitable spraying equipment. Do not apply through any ultra-low volume (ULV) spray system.

5.3.2 Aerial application

Avoid chemical drift at all times.

Aerial application of **AMISTAR TOP** may only be done by a registered aerial application operator using a correctly calibrated, registered aircraft according to the instructions of SANS 10118 (Aerial Application of Agricultural Remedies). It is important to ensure that the spray mixture is distributed evenly over the target area and that the loss of spray material during application is restricted to a minimum. Thorough coverage is essential for effective results. Use only in crops where aerial application is indicated. It is therefore essential that the following criteria are met:

a) Application parameters:

- **Volume:** A volume of 30 - 40 ℓ water/ha is recommended unless specified differently in the recommendation tables. As **AMISTAR TOP** has not been evaluated at a reduced volume rate, the registration holder cannot guarantee efficacy or be held responsible for any adverse effects if the product is applied aurally at a lower volume rate than recommended.
- **Droplet coverage:** Droplet coverage of 25 - 35 droplets per cm² must be recovered at the target.
- **Droplet size:** A droplet spectrum with a VMD of 280 - 300 microns is recommended. Ensure that the production of fine droplets (less than 150 microns, with a high drift and evaporation potential) is restricted to a minimum.
- **Flying height:** The height of the spray boom should be maintained at 3 - 4 metres above the target. Do not spray when aircraft is in a climb, at the top, during a dive, or when banking.

b) Equipment:

- Use suitable atomising equipment (hydraulic nozzles or rotary atomisers) that will produce the desired droplet

size and coverage, but which will ensure the minimum loss of product either through endodrift (within target field) or exodrift (outside target field).

- The operator must use a set-up that will produce a droplet spectrum with the lowest possible relative span.
- All nozzles/atomisers should be positioned within the inner 60 - 75% of the wingspan to prevent droplets from entering the wingtip vortices.

c) Meteorological conditions:

- The difference in temperature between the wet and dry bulb thermometers of a whirling hygrometer, should not exceed 8°C.
- Stop spraying if the wind speed exceeds 15 km/h or reduces to less than 5 km/h.
- Aerial application of **AMISTAR TOP** must not be done under turbulent, unstable conditions during the heat of the day when rising thermals and downdraughts occur. It is important to note that the application of this product under temperature inversion conditions (spraying in or above the inversion layer) may lead to the following problems:
 - Reduced efficacy due to suspension and possible evaporation of small droplets in the air (inadequate coverage).
 - Damage to other sensitive crops and/or non-target areas through the movement of the suspended spray cloud away from the target field.
- Under the following climatic conditions drift could occur more than 3 - 5 km:
 - Cloudy weather with relative humidity above 80% and low air movement of less than 5 km per hour. When such conditions prevail, aerial application should **NOT** be carried out where sensitive crops, crop seedlings or deciduous fruit trees e.g., apples in budding or early development stages are present within 5 km of the nearest spray path of the aircraft.
- Ensure that the pilot knows which fields to spray. Supply the pilot with precise identification of the fields to be sprayed, preferably by means of a map or GPS coordinates. Indicate adjacent environmentally sensitive areas or sensitive neighbouring crops, beehives or water sources that could be affected by the pesticide.

Obtain assurance from the pilot that the above requirements will be met and that relevant data will be compiled in a logbook and kept for future reference.

6. RECOMMENDATIONS:

For the best results, study the sections under 4.1 and 5 thoroughly.

BRASSICA

(Broccoli, brussels sprouts, cabbage, cauliflower and kale including all cultivars and hybrids of these)

Disease	Dosage
Alternaria diseases (<i>Alternaria</i> spp.)	Ground and aerial application 800 - 1 000 ml/ha
Anthraxnose (<i>Colletotrichum higginsianum</i>)	
Cercospora leaf spot (<i>Cercospora brassicicola</i>)	

BRASSICA cont.

Powdery mildew (<i>Erysiphe polygoni</i>)	Ground and aerial application 800 - 1 000 ml/ha
Remarks <ul style="list-style-type: none"> Apply as part of a protectant program before disease occurs when conditions are conducive for disease development. Apply as part of a 7 - 10 day spray schedule. Do not apply more than one (1) application of AMISTAR TOP before following up with products with a different mode of action. Do not exceed four (4) applications of AMISTAR TOP per season. Apply with an adequate water volume to ensure complete coverage. The addition of a spreading/penetrating type adjuvant may enhance efficacy. AMISTAR TOP can be used in a spray program with other registered products not containing azoxystrobin or difenoconazole. 	
Spray volume <ul style="list-style-type: none"> Tractor application: 250 - 1 000 l water/ha Aerial application: 30 - 40 l water/ha 	

BULB VEGETABLES

(Chives, garlic, leeks and onions)

Disease	Dosage
Botrytis leaf blight (<i>Botrytis</i> spp.)	Ground and aerial application 500 - 1 000 ml/ha
Cercospora leaf spot (<i>Cercospora</i> spp.)	
Powdery mildew (<i>Leveillula taurica</i>)	
Purple blotch (<i>Alternaria porri</i>)	
Stemphyllium leaf blight (<i>Stemphyllium vesicarium</i>)	
Remarks <ul style="list-style-type: none"> Apply as part of a protectant program before disease occurs when conditions are conducive for disease development. Apply as part of a 7 - 10 day spray schedule. Do not apply more than one (1) application of AMISTAR TOP before following up with products with a different mode of action. Do not exceed four (4) applications of AMISTAR TOP per season. Apply with an adequate water volume to ensure complete coverage. AMISTAR TOP can be used in a spray program with other registered products not containing azoxystrobin or difenoconazole. 	
Spray volume <ul style="list-style-type: none"> Tractor application: 250 - 1 000 l water/ha Aerial application: 30 - 40 l water/ha 	

CARROTS

Disease	Dosage
Alternaria blight (<i>Alternaria dauci</i>)	Ground application 500 ml/ha
Cercospora leaf spot (<i>Cercospora carotae</i>)	Ground and aerial application 880 - 1 000 ml/ha
Powdery mildew (<i>Erysiphe</i> spp.)	

CARROTS cont.

Southern blight (<i>Sclerotium rolfsii</i>)	Ground and aerial application 880 - 1 000 ml/ha
Remarks <ul style="list-style-type: none"> Apply as part of a protectant program before disease occurs. Apply no more than two (2) consecutive sprays 7 - 10 days apart, starting as soon as the first true leaves are discernible or as soon as the first symptoms become visible. Do not exceed two (2) applications of AMISTAR TOP per season. If disease pressure is high, use the shortest interval and the highest rate. Alternate treatments with chemicals with a different mode of action. AMISTAR TOP can be used in a spray program with other registered products not containing azoxystrobin or difenoconazole. 	
Spray volume <ul style="list-style-type: none"> Tractor application: 200 - 750 l water/ha Aerial application: 30 - 40 l water/ha 	

CUCURBITS

(Muskmelon, cucumber, gherkins, watermelon, pumpkin, squash, zucchini, patty pans including all cultivars and hybrids of these)

Disease	Dosage
Alternaria leaf blight (<i>Alternaria cucumerina</i>)	Ground and aerial application 730 - 1 000 ml/ha
Anthracnose (<i>Colletotrichum orbiculare</i>)	
Belly rot (<i>Rhizoctonia solani</i>)	
Cercospora leaf spot (<i>Cercospora citrullina</i>)	
Downy mildew (<i>Pseudoperonospora cubensis</i>)	
Septoria leaf blight (<i>Septoria cucurbitacearum</i>)	
Powdery mildew (<i>Sphaerotheca fuliginea</i>) (<i>Erysiphe cichoracearum</i>)	Ground application 625 ml/ha
Remarks <ul style="list-style-type: none"> Apply up to three (3) consecutive sprays 7 - 10 days apart starting at flower initiation. Apply in sufficient water volumes to ensure adequate coverage. Do not apply AMISTAR TOP with wetting agents. Do not make more than three (3) applications of AMISTAR TOP per season. For belly rot control, the first application should be made at 1 - 3-leaf stage, with the second application 10 - 14 days later. 	
Spray volume <ul style="list-style-type: none"> Tractor application: Minimum 500 l water/ha Aerial application: 30 - 40 l water/ha 	

DRY BEANS

Disease	Dosage
Anthracnose (<i>Colletotrichum lindemuthianum</i>)	Ground application 500 ml/ha

DRY BEANS cont.

Rust (<i>Uromyces appendiculatus</i>)	Ground application 500 mℓ/ha
Remarks	
<ul style="list-style-type: none"> Apply two (2) consecutive sprays 14 days apart starting at flower initiation. Do not exceed two (2) applications of AMISTAR TOP per season. 	
Spray volume	
<ul style="list-style-type: none"> Tractor application: 250 - 500 ℓ water/ha 	

FORESTRY

Disease	Dosage
Wattle (<i>Acacia</i> spp.)	Ground and aerial application 500 - 1 000 mℓ/ha
Rust (<i>Uromycladium</i> spp.)	
Remarks	
<ul style="list-style-type: none"> Apply two (2) consecutive sprays 21 - 28 days apart when conditions are favourable for disease development (e.g., humid conditions in early spring). Do not exceed four (4) applications of AMISTAR TOP per season. 	
Spray volume	
<ul style="list-style-type: none"> Ground application: 250 - 1 000 ℓ water/ha Aerial application: 30 - 40 ℓ water/ha 	

GRAIN SORGHUM

Disease	Dosage
Sorghum leaf spot (<i>Cercospora sorghi</i>)	Ground and aerial application 500 - 1 000 mℓ/ha
Northern corn leaf blight (<i>Exserohilum turcicum</i>)	
Rust (<i>Puccinia sorghi</i>)	
Remarks	
<ul style="list-style-type: none"> Start application before 3% of the total leaf shows disease symptoms. It is important that applications are purely preventative for effective disease control. Applications must be made at 21 - 28 day intervals. Use the shorter application interval and higher rate if disease pressure is very high. With short season hybrids when the first spray was applied after pollination, it will probably be sufficient to control the disease (further sprays may not be necessary). In certain cases where the initial application was applied at a very early stage, a third application may be made. Do not make more than three (3) applications of AMISTAR TOP per season. 	
Spray volume	
<ul style="list-style-type: none"> Tractor application: 250 - 450 ℓ water/ha High clearance tractor application: 150 - 300 ℓ water/ha Aerial application: 30 - 40 ℓ water/ha Knapsack sprayer application: 60 - 70 ℓ water/ha 	

GROUNDNUTS

Disease	Dosage
Early leaf spot (<i>Cercospora arachidicola</i>)	Ground application 500 mℓ/ha
Web blotch (<i>Phoma arachidicola</i>)	

GROUNDNUTS cont.

Remarks
<ul style="list-style-type: none"> Apply two (2) consecutive sprays 14 - 21 days apart starting at first signs of disease or at flower initiation (10 - 12 weeks after planting) if no disease is present. Do not exceed two (2) applications of AMISTAR TOP per season.
Spray volume
<ul style="list-style-type: none"> Tractor application: 300 - 400 ℓ water/ha

MAIZE AND SWEETCORN

Disease	Dosage
Grey leaf spot (<i>Cercospora zeina</i>)	Ground and aerial application 500 - 750 mℓ/ha or 4.5 - 6.8 mℓ/100 m row
Northern corn leaf blight (<i>Exserohilum turcicum</i>)	
Rust (<i>Puccinia sorghi</i>)	
Remarks	
<ul style="list-style-type: none"> Start application before 3% of the total leaf shows disease symptoms. It is important that applications are purely preventative for effective disease control. Applications must be made at 21 - 28-day intervals. Use the shorter application interval and higher rate if disease pressure is very high. With short season hybrids when the first spray was applied after pollination, it will probably be sufficient to control the disease (further sprays may not be necessary). In cases where the initial application was applied at a very early stage, a third application may be made. Do not make more than three (3) applications of AMISTAR TOP per season. 	
Spray volumes	
<ul style="list-style-type: none"> Tractor application: 250 - 450 ℓ water/ha or 2 - 4 ℓ/100 m row High clearance tractor application: 150 - 300 ℓ water/ha or 2 - 4 ℓ/100 m row Aerial application: 30 - 40 ℓ water/ha Knapsack sprayer application: 60 - 70 ℓ water/ha 	

NUTS

(Almonds, cashew, macadamia, pecan and pistachio)

Disease	Dosage	
Alternaria late blight (<i>Alternaria</i> spp.)	Ground and aerial application 500 - 1 000 mℓ/ha	
Alternaria leaf spot (<i>Alternaria alternata</i>)		
Anthracnose (<i>Colletotrichum acutatum</i>)		
Blossom blight (<i>Monilinia</i> spp.)		
Downy spot (<i>Mycosphaerella caryigena</i>)		
Leaf rust (<i>Tranzschelia discolor</i>)		
Panicle and shoot blight (<i>Botryosphaeria dothidea</i>)		
Pecan scab (<i>Cladosporium caryigenum</i>)		
Powdery mildew (<i>Micosphaera penicillata</i>)		
Remarks		
<ul style="list-style-type: none"> Apply as part of a protectant program before disease 		

NUTS cont.

<p>occurs at 10 - 14-day intervals.</p> <ul style="list-style-type: none"> If history indicates the presence of <i>Alternaria</i>, apply a high volume of AMISTAR TOP in late spring and repeat treatment 2 - 3 weeks later. For blossom blight, begin application of AMISTAR TOP at early bloom and continue through petal fall. Do not use an adjuvant on cashew and macadamias. Apply no more than two (2) consecutive sprays with AMISTAR TOP. Do not apply more than four (4) applications of AMISTAR TOP per season. AMISTAR TOP can be used in a spray program with other registered products not containing azoxystrobin or difenoconazole.
<p>Spray volume</p> <ul style="list-style-type: none"> Tractor application: Use water volumes that will ensure complete coverage Aerial application: 30 - 40 l water/ha

PEPPERS/CAPSICUM

(Bell/sweet/chilli pepper, paprika, pimento and piquante)

Disease	Dosage
Cercospora leaf spot (<i>Cercospora</i> spp.)	Ground and aerial application 580 - 1 000 ml/ha
Powdery mildew (<i>Leveillula taurica</i>)	Ground application 250 ml/100 l water (Minimum 1 000 ml/ha)
<p>Remarks</p> <ul style="list-style-type: none"> Apply up to two (2) consecutive sprays seven (7) days apart starting at flower initiation. Apply in sufficient water volumes to ensure adequate coverage. Do not make more than three (3) applications of AMISTAR TOP per season. The addition of a spreading/penetrating type adjuvant may enhance efficacy. 	
<p>Spray volume</p> <ul style="list-style-type: none"> Tractor application: Use at least 500 l water/ha Aerial application: 30 - 40 l water/ha 	

POTATOES

Disease	Dosage
Early blight (<i>Alternaria solani</i>)	Ground and aerial application 375 ml/ha
<p>Remarks</p> <ul style="list-style-type: none"> Apply in blocks of two (2) consecutive sprays 7 - 10 days apart when the weather favours the disease. Alternatively, applications can be repeated at 14-day intervals, provided that these applications are alternated every 7 days with other products registered for early blight control. AMISTAR TOP alternated with BRAVO 720 in a 7-day cycle will also control late blight (<i>Phytophthora infestans</i>) preventatively. Due to reduced efficacy, aerial application is only recommended when prevailing conditions preclude application by tractor. Do not exceed six (6) applications of AMISTAR TOP per season. 	
<p>Spray volume</p> <ul style="list-style-type: none"> Tractor application: 250 - 750 l water/ha Aerial application: 30 - 40 l water/ha 	

STRAWBERRIES

Disease	Dosage
<p>Anthraco (<i>Colletotrichum</i> spp.)</p> <p>Leaf rust (<i>Phragmidium</i> spp.)</p> <p>Leaf spot (<i>Cercospora fragariae</i>)</p> <p>Powdery mildew (<i>Sphaerotheca pannosa</i>)</p>	Ground application 500 - 1 000 ml/ha
<p>Remarks</p> <ul style="list-style-type: none"> Apply as part of a protectant programme before disease occurs. Apply no more than two (2) consecutive sprays 7 to 10 days apart. Do not make more than four (4) applications of AMISTAR TOP per season. Apply in sufficient water volumes to ensure adequate coverage. AMISTAR TOP can be used in a spray programme with other registered products not containing azoxystrobin or difenoconazole. 	
<p>Spray volume:</p> <ul style="list-style-type: none"> Tractor application: 250 - 1 000 l water/ha Aerial application: 30 - 40 l water/ha 	

TOMATOES

Disease	Dosage
Early blight (<i>Alternaria solani</i>)	Ground application < 500 l water, use 500 ml/ha > 500 l water, use 100 ml/100 l water
<p>Remarks</p> <ul style="list-style-type: none"> Apply in blocks of two (2) consecutive sprays 7 - 10 days apart when the weather favours the disease. Alternatively, applications can be repeated at 14-day intervals, provided that these applications are alternated every 7 days with other products registered for early blight control. AMISTAR TOP alternated with BRAVO 720 in a 7-day cycle will also control late blight (<i>Phytophthora infestans</i>) preventatively. Do not exceed six (6) applications of AMISTAR TOP, or six (6) applications of products containing azoxystrobin, or six (6) applications of products containing difenoconazole per season. 	
<p>Spray volume</p> <ul style="list-style-type: none"> Tractor application: 500 - 1 400 l water/ha 	

TUBEROUS CROPS

(Cassava, ginger and sweet potato)

Disease	Dosage
<p>Black dot (<i>Colletotrichum coccodes</i>)</p> <p>Early blight (<i>Alternaria</i> spp.)</p> <p>Rust (<i>Puccinia helianthi</i>)</p> <p>Septoria leaf spot (<i>Septoria</i> spp.)</p>	Ground or aerial application 500 - 1 000 ml/ha
<p>Remarks</p> <ul style="list-style-type: none"> Apply as part of a protectant program before disease occurs. Apply no more than two (2) consecutive sprays 7 - 10 days apart. Do not make more than four (4) applications of 	

TUBEROUS CROPS cont.

- **AMISTAR TOP** per season.
- Apply in sufficient water volumes to ensure adequate coverage.
- **AMISTAR TOP** can be used in a spray program with other registered products not containing azoxystrobin or difenoconazole.
- The addition of an adjuvant may increase product efficacy.

Spray volume

- **Tractor application:** 250 - 1 000 ℓ water/ha
- **Aerial application:** 30 - 40 ℓ water/ha

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