



Amistar Top[®]



Product registration number: MAPP 18050; PCS no. 04582

A suspension concentrate containing 200 g/l azoxystrobin and 125 g/l difenoconazole and 1,2-benzisothiazol-3(2H)-one.

A broad-spectrum fungicide for use in outdoor crops of carrots, leeks, Brussels sprouts, cabbage, cauliflower, broccoli/calabrese, kale (winter greens), collards (spring greens), rocket (outdoor) and strawberry (outdoor and protected).

The (COSHH) Control of Substances Hazardous to Health Regulations may apply to the use of this product at work (UK only).

In case of toxic or transport emergency ring +44 (0) 1484 538444 any time.

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The product label is compliant with the CPA
Voluntary Initiative (VI) guidance (UK only).



The
Voluntary
Initiative

FOR PROFESSIONAL USE ONLY

AMISTAR Top[®]

To avoid risks to human health and the environment comply with the instructions for use.

A suspension concentrate containing 200 g/l azoxystrobin and 125 g/l difenoconazole and 1,2-benzisothiazol-3(2H)-one.

Warning

Harmful if swallowed or inhaled.

May cause an allergic skin reaction.

Very toxic to aquatic life with long lasting effects.

Keep out of reach of children.

Wear protective gloves/protective clothing.

Avoid breathing dust/fume/gas/mist/vapours/spray.

IF ON SKIN: Wash with plenty of soap and water.

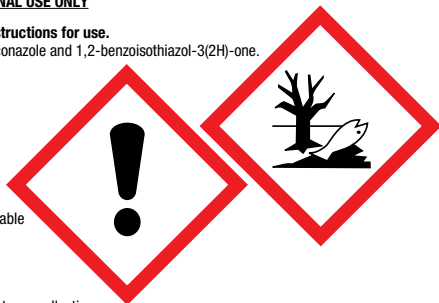
IF INHALED: Remove person to fresh air and keep at rest in a position comfortable for breathing.

Call a POISON CENTRE or doctor/physician if you feel unwell.

If skin irritation or rash occurs: Get medical advice/attention.

Collect spillage.

Dispose of contents/container to a licensed hazardous-waste disposal contractor or collection site except for triple rinsed empty containers which can be disposed of as non-hazardous waste.



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IMPORTANT INFORMATION - FOR USE ONLY AS A FUNGICIDE

Crop	Maximum individual dose (litres product/hectare)	Maximum number of applications (per crop)	Latest time of application (days before harvest)
Carrot (outdoor)	1.0	2	14
Leek (outdoor)	1.0	1	21
Cabbage (outdoor), Brussels sprouts (outdoor)	1.0	2	21
Outdoor crops of Cauliflower, broccoli/calabrese	1.0	2	14
Rocket (outdoor).	1.0	2	14
Kale (winter greens) and collards (spring greens)	1.0	2	21
Outdoor and Protected strawberry	1.0	2	3

Crops/situations:	Aquatic buffer zone distance (metres):	Comment:
Broccoli/calabrese, Brussels sprout, cabbage, carrot, cauliflower, collard, kale, leek, rocket (outdoor), strawberry (outdoor), strawberry (protected)	5	See Environmental protection (Safety precautions section)

Other specific restrictions:

- For use on broccoli/calabrese, Brussels sprout, cabbage, cauliflower, collards, kale and outdoor rocket, the maximum total dose of difenoconazole must not exceed 250 g per hectare per year.
- For the use on carrots the maximum total dose of difenoconazole must not exceed 375 g per hectare.
- When using in sequence with other azoxystrobin containing products, or on multiple short season crops of broccoli, calabrese, Brussels sprouts, cabbage, cauliflower, collards and kale, the maximum total dose of azoxystrobin must not exceed 500 g azoxystrobin per hectare per year.

READ THE LABEL BEFORE USE. USING THIS PRODUCT IN A MANNER THAT IS INCONSISTENT WITH THE LABEL MAY BE AN OFFENCE. FOLLOW THE CODE OF PRACTICE FOR USING PLANT PROTECTION PRODUCTS.

SAFETY PRECAUTIONS**(a) Operator protection**

Engineering control of operator exposure must be used where reasonably practicable in addition to the following personal protective equipment:

WEAR SUITABLE PROTECTIVE CLOTHING (COVERALLS) AND SUITABLE PROTECTIVE GLOVES when handling the concentrate or applying by hand-held equipment.

WEAR SUITABLE PROTECTIVE GLOVES when handling contaminated surfaces.

However, engineering controls may replace personal protective equipment if a COSHH assessment shows they provide an equal or higher standard of protection.

WHEN USING DO NOT EAT, DRINK OR SMOKE.

WASH SPLASHES from skin or eyes immediately.

WASH HANDS AND EXPOSED SKIN before meals and after work.

IF YOU FEEL UNWELL, seek medical advice immediately (show the label where possible).

(b) Environmental protection

Do not contaminate water with the product or its container.

Do not clean application equipment near surface water.

Avoid contamination via drains from farmyards and roads.

For use in the UK

To protect aquatic organisms respect an unsprayed buffer zone to surface water bodies in line with LERAP requirements.



DO NOT ALLOW DIRECT SPRAY from ground crop sprayers to fall within 5 m of the top of the bank of a static or flowing waterbody unless a Local Environmental Risk Assessment for Pesticides (LERAP) permits a narrower buffer zone, or within 1 m of the top of a ditch which is dry at the time of application. DO NOT ALLOW DIRECT SPRAY from hand-held sprayers to fall within 1 m of the top of the bank of a static or flowing water body. Aim spray away from water. This product qualifies for inclusion within the Local Environmental Risk Assessment for Pesticides (LERAP) scheme. A LERAP must be carried out in accordance with CRD published guidance before each spraying operation from a ground crop sprayer. The results of the LERAP must be recorded and the records kept available for inspection for three years.

For use in Ireland

To protect aquatic organisms respect an unsprayed buffer zone of 5m to surface water bodies.

(c) Storage and disposal

KEEP AWAY FROM FOOD, DRINK AND ANIMAL FEEDING-STUFFS.

KEEP OUT OF REACH OF CHILDREN.

KEEP IN ORIGINAL CONTAINER, tightly closed, in a safe place.

RINSE CONTAINER THOROUGHLY by using an integrated pressure rinsing device or manually rinsing three times. Add washings to sprayer at time of filling and dispose of safely.

DO NOT RE-USE CONTAINER for any other purpose.

DIRECTIONS FOR USE

IMPORTANT: This information is approved as part of the Product Label. All instructions within this section must be carefully read in order to obtain safe and successful use of this product.

A suspension concentrate containing 200 g/l azoxystrobin and 125 g/l difenoconazole. AMISTAR TOP is a broad-spectrum fungicide for use on outdoor crops of carrots, leeks, Brussels sprouts, cabbage, cauliflower, broccoli/calabrese, kale (winter greens), collards (spring greens), rocket, outdoor and protected strawberry.

RESTRICTIONS

As a precaution AMISTAR TOP should not be applied where there is a risk of spray drift onto neighbouring apple crops.

DISEASES CONTROLLED

Carrots

Alternaria leaf blight (*Alternaria dauci*)

Powdery mildew (*Erysiphe polygoni*)

Leeks

Leaf rust (*Puccinia porri*)

Purple blotch (*Alternaria porri*) – moderate control

Qualified recommendation: May give some control of White tip (*Phytophthora porri*)

Brassicacae and rocket (outdoor)

White blister (*Albugo candida*)

Powdery mildew (*Erysiphe cruciferarum*)

When used for control of other diseases AMISTAR TOP applied as a protectant treatment will also control Alternaria (*Alternaria brassicae* and *Alternaria brassicicola*) and Ring spot (*Mycosphaerella brassicicola*)

Strawberry (protected and outdoor)

Powdery mildew (*Podosphaera aphanis*)

Black spot (*Colletotrichum acutatum*)

Leaf blotch (*Gnomonia comari*)

CROP SPECIFIC INFORMATION

CARROT, LEEK AND BRASSICACAE

Timing

Before applying AMISTAR TOP, ensure the crop is free from any stress caused by environmental or agronomic effects. Always inspect crops to assess disease development immediately before spraying. Best results will be achieved from applications made in the earliest stage of disease development or as a protectant treatment following a disease risk assessment or the use of appropriate decision support systems.

Applications must only be made to developed canopy and not before growth stage BBCH 41 as described below:

- Carrot: roots beginning to expand (diameter >0.5cm)
- Leek: leaf bases begin to thicken or extend
- Cabbage: heads begin to form, the 2 youngest leaves do not unfold
- Kale, collard: 10% of the leaf mass typical for the variety reached
- Brussels sprouts: lateral buds begin to develop
- Cauliflower, broccoli, calabrese: heads begin to form, width of growing tip >1cm

A further application can be made if disease pressure remains high. A minimum interval of 14 days must be observed between applications to all brassicae and carrots.

On leeks, only a single application of AMISTAR TOP is permitted. If disease pressure persists a further application of different product may be necessary.

Rate Of Use

1.0 litre per hectare.

Processing

Where a crop is destined for processing, consult your processor before treating with AMISTAR TOP.

ROCKET (OUTDOOR)

Timing

Before applying AMISTAR TOP, ensure the crop is free from any stress caused by environmental or agronomic effects. Always inspect crops to assess disease development immediately before spraying. Best results will be achieved from applications made in the earliest stage of disease development or as a protectant treatment following a disease risk assessment or the use of appropriate decision support systems.

Applications must only be made to developed canopy. Do not apply to these crops until at least 70% crop interception occurs.

A minimum interval of 7 days must be observed between applications.

Rate Of Use

1.0 litre per hectare.

OUTDOOR AND PROTECTED STRAWBERRY

The safety to strawberry crops used for propagation has not been established.

Timing

For optimum results apply AMISTAR TOP as a protectant spray at the beginning of flowering. A further application can be made if disease pressure remains high. Application should be made in sequence with other products as part of a fungicide programme during flowering.

Applications must only be made to developed canopy and not before growth stage BBCH 41: beginning of stolon (runner) formation, stolons visible (about 2cm long)

A minimum interval of 7 days must be observed between applications.

Rate Of Use

1.0 litre per hectare.

Processing

Where a crop is destined for processing, consult your processor before treating with AMISTAR TOP.

RESISTANCE MANAGEMENT

Use AMISTAR TOP as part of an Integrated Crop Management (ICM) strategy incorporating other methods of control, including where appropriate other fungicides with a different mode of action.

To avoid the likelihood of resistance developing, application of AMISTAR TOP should be made with due regard to current FRAG-UK guidelines for QoI compounds. Do not apply more than a total of two applications, when used as part of a programme.

MIXING AND SPRAYING

Mixing

Make sure the sprayer is set to give an even application at the correct volume. Fill the spray tank with half the required volume of clean water and start agitation. Add the required amount of AMISTAR TOP to the spray tank. Agitate the mixture thoroughly before use and continue agitation during spraying. Thoroughly wash all spray equipment with water immediately after use.

Wash out containers thoroughly, preferably using an integrated pressure rinsing device, or manually rinse three times. Add washings to the sprayer at the time of filling. Complete filling to the required volume and continue to agitate throughout the spraying operation.

Spray Volume

Brassicas and Carrots: Apply in a recommended 200-600 litres of water per hectare.

Leeks: Apply in a recommended 300-1000 litres of water per hectare.

Rocket (outdoor) and strawberries (outdoor and protected): Apply in a recommended 300-1200 litres of water per hectare.

Spraying

For outdoor use apply through conventional crop spraying equipment. Apply using a medium quality spray as defined by BCPC. A spray pressure of at least 2 bar is preferred.

Applications for the protected uses should be made via hydraulic nozzle applicator e.g. motorised sprayer with hand lance or boom lance or knapsack applications.

Thoroughly wash all spray equipment with water immediately after use. Do not leave the spray liquid in the sprayer for long periods (such as during meal breaks or overnight).

This product is to be used only in accordance with the recommendations and instructions given on the labels provided with this pack.