

HEADWAY

Product registration number: MAPP 14396
 PCS No. 03557



HEADWAY is an emulsifiable concentrate formulation containing 62.5 g/l azoxystrobin and 104 g/l propiconazole.

A broad spectrum foliar fungicide with systemic properties for control of fusarium patch (*Microdochium nivale*), take-all patch (*Gaeumannomyces graminis*) dollar spot (*Sclerotinia homoeocarpa*) and leaf spots (*Drechslera* spp.) and moderate control of anthracnose (*Colletotrichum graminicola*) on managed amenity turf and amenity grassland.

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



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

Approval Holder and UK Marketing Company	Ireland Marketing Company
Syngenta Crop Protection UK Limited CPC 4, Capital Park, Fulbourn, Cambridge CB21 5XE Tel: Cambridge (01223) 883400	Syngenta Ireland Ltd Block 6, Cleaboy Business Park, Old Kilmeaden Road, Waterford, Ireland Tel: 051 377203

In case of toxic or transport emergency ring (01484) 538444 anytime

PROTECT FROM FROST
SHAKE WELL BEFORE USE

Product code / Print date / xxxxxx
 Batch Number

Net contents: 3 litres

ADDITIONAL SAFETY INFORMATION (references to COSHH and LERAP apply to the UK use only)

(a) Operator protection

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

WEAR SUITABLE PROTECTIVE GLOVES when handling the concentrate or applying by hand-held equipment.

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

DO NOT BREATHE SPRAY.

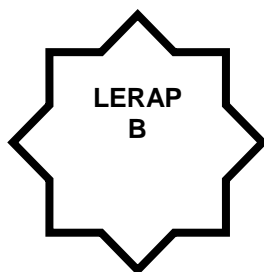
WASH SPLASHES from skin or eyes immediately.

WASH HANDS AND EXPOSED SKIN before eating and drinking and after work.

(b) Environmental protection

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

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.



DO NOT ALLOW DIRECT SPRAY from horizontal boom 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. Before each spraying operation from a horizontal boom sprayer, either a LERAP must be carried out in accordance with PSD's published guidance or the statutory buffer zone must be maintained. The results of the LERAP must be recorded and kept available for inspection for three years.

(c) Storage and disposal

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.

HEADWAY



DANGEROUS FOR THE ENVIRONMENT

HEADWAY is an emulsifiable concentrate formulation containing 62.5 g/l azoxystrobin and 104 g/l propiconazole.

Contains propiconazole. May produce an allergic reaction.

VERY TOXIC TO AQUATIC ORGANISMS, MAY CAUSE LONG-TERM ADVERSE EFFECTS IN THE AQUATIC ENVIRONMENT

Keep out of the reach of children.

Keep away from food, drink and animal feeding stuffs.

When using, do not eat, drink or smoke.

Wear suitable protective clothing and gloves.

This material and its container must be disposed of in a safe way.

Use appropriate containment to avoid environmental contamination.

To avoid risks to man and the environment, comply with the instructions for use.

MAPP 14396
PCS No. 03557

IMPORTANT INFORMATION

FOR USE ONLY AS A HORTICULTURAL FUNGICIDE.

For use on:

Crops	Maximum individual dose (product/ha)	Maximum number of treatments
Managed amenity turf and amenity grassland	3 litres	4 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.

This leaflet is part of the approved Product Label.

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.

GENERAL INFORMATION

HEADWAY is an emulsifiable concentrate formulation containing 62.5 g/l azoxystrobin and 104 g/l propiconazole.

Azoxystrobin

Azoxystrobin is a broad spectrum, systemic, translaminar, and protectant fungicide from the strobilurin group. Azoxystrobin inhibits spore germination and development and is therefore best applied at the start of infection. The compound also inhibits mycelial growth and sporulation. It has preventative, translaminar and systemic properties.

Azoxystrobin is derived from a group of naturally occurring compounds with fungicidal properties produced by various wood decaying mushrooms. The unique mode of action, extended application intervals and low dose rates confirms how important azoxystrobin is as part of your disease management programme.

Propiconazole

Propiconazole has protective, curative and eradicant activity. It is rapidly absorbed by the assimilating parts of the plant, mostly within one hour of treatment. It is transported acropetally (upwards) in the xylem. This systemic translocation contributes to good distribution of the active ingredient within the plant tissue.

Propiconazole is a member of the DMI-fungicides group (demethylation inhibitors). These materials act on the fungal pathogen inside the plant at the stage of first haustoria formation and stop disease development by interfering with sterol biosynthesis in fungal cell membranes.

RESTRICTIONS

Prevent spray drift on to surrounding areas Do not apply when ground is frozen or during drought.

DO NOT apply to turf under heat or moisture stress.

Do not use HEADWAY where there is a risk of spray drift onto neighbouring apple, crab apple, cherry, plum trees or privet. DO NOT use equipment used to apply HEADWAY to treat these crops as unacceptable damage may occur.

For applications by vehicle mounted/drawn hydraulic boom sprayer, avoid spraying within 5m of unmanaged land (including rough grassland) to reduce effects on non-target insects or other arthropods.

DISEASES CONTROLLED

HEADWAY is an effective systemic fungicide for the control of the following diseases in managed amenity turf and amenity grassland:

- Fusarium Patch (*Microdochium nivale*)
- Dollar Spot (*Sclerotinia homeocarpa*)
- Take-all Patch (*Gaeumannomyces graminis*)*
- Leaf Spots (*Drechslera* spp.)*
- Anthracnose (*Colletotrichum graminicola*) [moderate control]*

* Qualified minor use recommendation made on the basis of limited data.

For optimum turf quality and disease control, use HEADWAY in conjunction with turf management practices that promote good plant health.

Correct identification of the disease(s) is essential in selecting the most appropriate control measures.

CROP SPECIFIC INFORMATION

Begin applications when conditions are favourable for disease infection, at the very beginning of disease symptom expression.

Crop Tolerance

When used as recommended, HEADWAY is well tolerated by all common turf grass species.

Rates of Use

Apply 3 litres HEADWAY per hectare in 250-1000 litres water per hectare.

For spot treatments, use 30 ml HEADWAY per 10 litres water per 100 sq. metres.

Timing

Apply in a preventative spray programme, starting when conditions become favourable for disease development.

Apply 3 litres HEADWAY per hectare at a minimum interval of 14 days. The total number of HEADWAY applications applied per annum must not exceed a third of the total number of fungicide applications, up to a maximum of 4 applications. Do not apply more than 2 sequential HEADWAY applications.

RESISTANCE MANAGEMENT

Some turf disease pathogens are known to have developed resistance to products used repeatedly for their control. In order to minimise the likelihood of the development of resistance, it is recommended that HEADWAY should be used in a programme with products of different chemical groups.

Use HEADWAY in a disease control programme, alternating treatments with other fungicides having different modes of action.

HEADWAY contains azoxystrobin (a QoI) and propiconazole (a DMI) and applications should be made in accordance with the FRAG-UK guidelines.

Apply HEADWAY at full recommended rates. Utilize management practices, which encourage healthy turf and reduce turf stress.

APPLICATION

VOLUME OF WATER AND SPRAYING

HEADWAY may be applied through tractor mounted boom sprayers and hand-held knapsack sprayers. Application equipment should be calibrated before use. Do not use silicone-based products with HEADWAY

HEADWAY is recommended to be applied in 250-1000 litres water/ha with all application methods.

MIXING AND SPRAYING

Tractor-mounted/trailed sprayers: Make sure the sprayer is set to give an even application at the correct volume and an even deposit. Half fill the spray tank with the required volume of clean water and start agitation. Add the required amount of HEADWAY 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.

Hand-held and knapsack sprayers: Half fill the spray tank with clean water and add the required quantity of HEADWAY to the tank. Complete filling, mix thoroughly and use immediately.

Thoroughly wash all spraying equipment 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.

Do not leave the spray liquid in the sprayer for long periods (such as during meal breaks or overnight). Make up only the amount of spray required for immediate use.

AFTER SPRAYING

Thoroughly wash out sprayer according to manufacturer's guidelines and dispose of washings and clean containers according to DEFRA Code of Practice and local water authority guidelines.

OTHER INFORMATION

1. Some diseases can quickly damage turf. Treatment at a late stage of disease development will be more difficult and can leave bare soil patches needing renovation.
2. Use preventative sprays, especially against diseases which occur in winter and early spring.
3. If diseases recur regularly, check management practices, especially fertilizer treatment as this can affect disease occurrence if either in excess or deficient.

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