

Nov 2007

NAN 0337 of 2007

BANNER MAXX

Product registration number: *MAPP 13167*
PCS No 02715



BANNER MAXX is an emulsifiable concentrate formulation containing 156 g/l propiconazole

A broad spectrum foliar fungicide with systemic properties for control of dollar spot (*Sclerotinia homoeocarpa*), Fusarium Patch (*Microdochium nivale*), Anthracnose (*Colletotrichum graminicola*) and Brown patch (*Rhizoctonia solani*) 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)



Net contents

Approval Holder and Marketing Company (UK)	Marketing Company (Ireland)
Syngenta Crop Protection UK Limited Whittlesford Cambridge CB2 4QT Tel: Cambridge (01223) 833621	Syngenta Ireland Ltd Industrial Park Cork Road Waterford Ireland Tel: 051 377203

PROTECT FROM FROST

Product code / Print date / xxxxxx

Batch Number

SAFETY PRECAUTIONS

Precautions marked * are a legal requirement (UK 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 CLOTHING (COVERALLS), SUITABLE PROTECTIVE GLOVES when handling the concentrate.
- * 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 ALL PROTECTIVE CLOTHING thoroughly after use especially the insides of gloves.

WASH SPLASHES from skin or eyes immediately.

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

(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.

RISK TO NON-TARGET INSECTS OR OTHER ARTHROPODS. See Directions for use.

(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.

BANNER MAXX



HARMFUL



DANGEROUS FOR THE ENVIRONMENT

BANNER MAXX is an emulsifiable concentrate formulation containing 156 g/l propiconazole

Harmful by inhalation

May cause sensitisation by skin contact

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment

Keep out of the reach of children.

When using do not eat, drink or smoke.

Keep away from food, drink and animal feeding stuffs.

Avoid contact with skin

Wear suitable gloves.

If swallowed, seek medical advice immediately and show this label or container.

Use appropriate containment to avoid environmental contamination.

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

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

PCS 02715

MAPP 13167

IMPORTANT INFORMATION

FOR USE ONLY AS A HORTICULTURAL FUNGICIDE.

For use on:

Crops	Maximum individual dose (product/ha)	Maximum number of treatments	Maximum individual dose (product/ha)
Managed amenity turf and amenity grassland	3.0 litres	4 per year*	12.0 litres

Other specific restrictions:

* A minimum interval of 14 days should be observed between applications

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 (UK only)

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

BANNER MAXX is an emulsifiable concentrate formulation containing 156 g/l propiconazole.

Propiconazole 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.

Propiconazole has protective, curative and eradicant activity, although best results will be achieved when BANNER MAXX is applied when the disease is still in the early stages of development. It is recommended that application begins when conditions are favourable for disease infection and at the very beginning of disease symptom expression

RESTRICTIONS

Prevent spray drift on to surrounding areas
DO NOT apply to turf under heat or moisture stress

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

BANNER MAXX is a systemic fungicide for the control of the following diseases in managed amenity turf and amenity grassland:

- Dollar Spot (*Sclerotinia homeocarpa*)
- Fusarium Patch (*Microdochium nivale*)
- Anthracnose (*Colletotrichum graminicola*) *
- Brown patch (*Rhizoctonia solani*) *

* As a QUALIFIED MINOR USE RECOMMENDATION, evidence of effectiveness against Anthracnose (*Colletotrichum graminicola*) and Brown patch (*Rhizoctonia solani*) disease is limited.

For optimum turf quality and disease control, use BANNER MAXX 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, BANNER MAXX is well tolerated by all common turf grass species.

Rates of Use

Apply 3 litres BANNER MAXX per hectare in 400-1000 litres water per hectare.

For spot treatments, use 30 ml BANNER MAXX per 4-10 litres water per hectare.

Timing

Apply in a preventative spray programme of 4 sprays per season, starting when conditions become favourable for disease development.

Apply 3 litres BANNER MAXX per hectare at a minimum interval of 14 days with a maximum number of 4 sprays.

RESISTANCE MANAGEMENT

In order to minimise the likelihood of the development of resistance, it is recommended that BANNER MAXX should be used in a programme with products of different chemical groups.

Use BANNER MAXX in a disease control programme, alternating treatments with other fungicides having different modes of action e.g. chlorothalonil-based products

BANNER MAXX contains propiconazole, a SBI fungicide, applications should be made in accordance with the FRAG-UK guidelines.

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

APPLICATION

VOLUME OF WATER AND SPRAYING

BANNER MAXX may be applied through tractor mounted boom sprayers and hand-held knapsack sprayers. Application equipment should be calibrated before use.

BANNER MAXX is recommended to be applied in 400-1000 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 BANNER MAXX 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 BANNER MAXX 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.

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

Section 6 of the Health and Safety at Work Act
Additional Product Safety Information

(This section does not form part of the product label under the Control of Pesticides Regulations 1986.)

The product label provides information on a specific pesticidal use of the product; do not use otherwise, unless you have assessed any potential hazard involved, the safety measures required and that the particular use has 'off-label' approval or is otherwise permitted under the Control of Pesticides Regulations.

The information on this label is based on the best available information including data from test results.