Ascernity®

Fungicide

syngenta®

GROUP 7 | 3 FUNGICIDES

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Product registration number: MAPP 19544 **UFI:** 52Q0-E02H-K000-2YM6

ASCERNITY® is a soluble concentration formulation containing 23.6 g/l benzovindiflupyr and 78.8 g/l difenoconazole.

A broad spectrum foliar fungicide with both contact and systemic properties for moderate control of Fusarium Patch (*Microdochium nivale*) and a reduction in levels of Dollar Spot (*Sclerotinia homoeocarpa*) and Anthracnose (*Colletotrichum graminicola*) on golf greens and tees and sports turf (stadiums and intensively managed sports turf).

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

Approval Holder and Marketing Company
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In case of toxic or transport emergency ring +44 (0) 1484 538444 anytime

PROTECT FROM FROST
SHAKE WELL BEFORE USE

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

The Voluntary Initiative

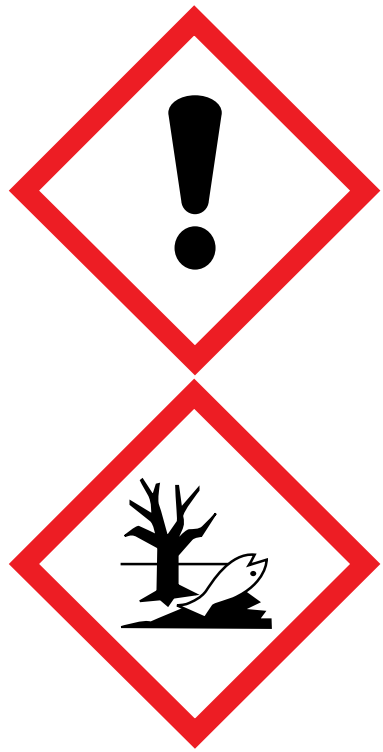
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3 litres

ASCERNITY®
A soluble concentrate formulation containing 23.6 g/l benzovindiflupyr and 78.8 g/l difenoconazole.



Warning
Harmful if swallowed.
Causes skin irritation.
Causes serious eye irritation.
Harmful if inhaled.
May cause respiratory irritation.
Very toxic to aquatic life with long lasting effects.
Avoid breathing mist or vapours.
Wash the skin thoroughly after handling.
Wear protective gloves/protective clothing /eye protection/face protection
IF INHALED: Remove person to fresh air and keep comfortable for breathing.
Get medical advice/attention.
If skin irritation occurs: Get medical advice/attention.
If eye irritation persists: Get medical advice/attention.
Take off contaminated clothing and wash it before reuse.
Collect spillage.
Dispose of contents/container to a licensed hazardous-waste disposal contractor or collection site except for empty clean containers which can be disposed of as non-hazardous waste.
To avoid risks to human health and the environment comply with the instructions for use.

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IMPORTANT INFORMATION - FOR USE ONLY AS A PROFESSIONAL FUNGICIDE

Crops/ situations	Maximum individual dose: (l product / ha)	Maximum total dose (l product/ ha / year)	Maximum number of treatments	Latest time of application	Aquatic buffer zone distance (metres)
Managed amenity turf (golf greens and tees and sports turf)	3	6	2 per year	Established turf	6

Other specific restrictions:
- A minimum interval of 14 days must be observed between applications
- This product must not be applied via hand-held equipment.
- Buffer zones greater than 5m are NOT eligible for buffer zone reduction under the LERAP scheme.
- Low drift spraying equipment must be operated according to the specific conditions stated in the official three star rating for that equipment as published on HSE Chemicals Regulation Division's website. These operating conditions must be maintained until the operator is 30m from the top of the bank of any surface water bodies.
- When applied to enclosed professional sports turf, application must only be made where access to wildlife is extremely limited.

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:
Operators must WEAR SUITABLE PROTECTIVE GLOVES AND FACE PROTECTION (FACESHIELD) when handling the concentrate.
However, engineering controls may replace personal protective equipment if a COSHH assessment shows that they provide an equal or higher standard of protection.

(b) Environmental protection

To protect aquatic organisms, respect an unsprayed buffer zone to surface water bodies as specified for the crop.
HORIZONTAL BOOM SPRAYERS MUST BE FITTED WITH THREE STAR DRIFT REDUCING TECHNOLOGY for all uses.
Low drift spraying equipment must be operated according to the specific conditions stated in the official three star rating for that equipment as published on HSE Chemicals Regulation Directorate's website.
Maintain three star operating conditions until 30 m from the top of the bank of any surface water bodies
Crops/situations with >5m buffer zone:
Since there is a risk to aquatic life from use, direct spray from horizontal boom sprayers must not be allowed to fall within the distance specified for the crop of the top of the bank of any static or flowing waterbody or within 1m of the top of a ditch which is dry at the time of application. Spray must be aimed away from water.
Buffer zones must be measured in accordance with the guidance set out in the booklet 'Local Environment Risk Assessment for Pesticides - Horizontal Boom Sprayers' available from HSE Chemicals Regulation Division's website and any amendments made to it.
The results of the LERAP must be recorded in written form and must be available for a period of three years for inspection to any person entitled to exercise enforcement powers under or in connection with the Plant Protection Products Regulations 2011 or the Plant Protection Products (Sustainable Use) Regulations 2012. (An electronic record will satisfy the requirement for a written record, providing it is similarly available for inspection and can be copied).
Do not contaminate water with the product or its container. Do not clean application equipment near surface water. Avoid contamination via drains.

(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 purpose.

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

ASCERNITY® is a soluble liquid formulation containing 23.6 g/l benzovindiflupyr and 78.9 g/l difenoconazole.

RESTRICTIONS

Prevent spray drift on to surrounding areas.
DO NOT apply to turf under heat or moisture stress.
For all applications, avoid spraying within 10m of unmanaged land (including rough grassland) to reduce effects on non-target insects or other arthropods.

DISEASES CONTROLLED

ASCERNITY is a contact and systemic fungicide which:

Moderately controls Fusarium Patch (*Microdochium nivale*)
Reduces levels of Anthracnose (*Colletotrichum graminicola*)
Reduces levels of Dollar Spot (*Sclerotinia homoeocarpa*)

For optimum turf quality and disease control, use ASCERNITY 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

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

Crop Tolerance

When used as recommended, ASCERNITY is well tolerated by all common turf grass species but safety to newly sown turf has not been established.

Rates of Use

Apply ASCERNITY at 3 litres per hectare in 125-500 litres water per hectare.
For spot treatments, use 30 ml ASCERNITY per 5 litres water per 100 sq. metres.

Timing

Apply as a preventative spray when conditions become favourable to disease development.

RESISTANCE MANAGEMENT

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

Ascernity contains difenconazole and benzovindiflupyr.
Difenoconazole is a DMI (DeMethylation Inhibitor) or SBI (Sterol Biosynthesis Inhibitor) fungicide (MoA group G1, FRAC code 3)
Benzovindiflupyr is a Succinate DeHydrogenase Inhibitor (SDHI) fungicides (MoA group C2, FRAC code 7).
Applications should be made in accordance with FRAG-UK guidelines

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

APPLICATION

VOLUME OF WATER AND SPRAYING

This product may be applied through pedestrian controlled sprayers or vehicle mounted/drawn equipment. Application equipment should be calibrated before use.

ASCERNITY is recommended to be applied in 125-500 litres water/ha using vehicle mounted/trailed sprayers.

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 ASCERNITY 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. Effectiveness using three star drift reduction technology may be reduced.

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 local 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.

For further information please see www.greencast.co.uk

ASCERNITY® is a trade mark of a Syngenta Group Company.

To access the Safety Data Sheet for this product, scan QR code:

Alternatively, contact your supplier