



# Ascernity®

## Fungicide

**GROUP 3 | 7 FUNGICIDES**



Product registration number: PCS No. 05520  
UFI: 52Q0-E02H-K000-2YM6

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

A broad spectrum foliar fungicide with both contact and systemic properties for the moderate control of Fusarium Patch (*Microdochium nivale*), Dollar Spot (*Sclerotinia homoeocarpa*) and Anthracnose (*Colletotrichum graminicola*) on golf courses (greens and tees).

Approval Holder	Marketing Company (Ireland)
Syngenta UK Limited, Jealott's Hill International Research Centre, Bracknell, Berkshire, RG42 6EY Tel +44 (0) 1223 883400	Syngenta Ireland Limited Block 6, Cleaboy Business Park, Old Kilmeaden Road, Waterford. Tel: (051) 877203

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**In case of toxic or transport emergency ring  
+44 (0) 1484 538444 anytime**

PROTECT FROM FROST  
SHAKE WELL BEFORE USE



The  
**Voluntary  
Initiative**

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

# 3 litres

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**FOR PROFESSIONAL USE ONLY**

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

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

**Warning**

**Harmful if swallowed.**

**Causes serious eye irritation.**

**May cause respiratory irritation.**

**Suspected of causing cancer.**

**Very toxic to aquatic life with long lasting effects.**

Obtain special instructions before use.

Avoid breathing mist or vapours.

Wash skin thoroughly after handling.

Wear protective gloves/ protective clothing/

eye protection/ face protection/ hearing protection.

IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/ doctor if you feel unwell.

Collect spillage.

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

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L1128196 IREL/11C PPE 4220407

**CONDITIONS OF USE**

FOR USE ONLY AS A HORTICULTURAL FUNGICIDE

User: Professional

Crops/situations	Maximum individual dose (product/ha)	Maximum number of treatments
Grassland – Amenity (Golf courses: greens and tees)	3 L	2 per year

Other specific restrictions:

**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.**

**ADDITIONAL SAFETY INFORMATION****(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), SUITABLE PROTECTIVE GLOVES AND FACE PROTECTION (FACESHIELD) when handling the concentrate.

WEAR SUITABLE PROTECTIVE CLOTHING (COVERALLS), AND SUITABLE PROTECTIVE GLOVES when handling contaminated surfaces.

WASH ALL PROTECTIVE CLOTHING thoroughly after use especially the insides of gloves.

WASH SPLASHES from skin or eyes immediately.

DO NOT BREATHE SPRAY.

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

**(b) Environmental protection**

To protect aquatic organisms respect an unsprayed buffer zone of 10m to surface water bodies.

Do not contaminate water with the product or its container. Do not clean application equipment near surface water. Avoid contamination via drains from golf courses and other amenity areas.

**(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.

### Difenoconazole

Difenoconazole has protective, curative and eradicator 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.

Difenoconazole 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.

### Benzovindiflupyr

Benzovindiflupyr is predominantly protectant in its effect on the pathogen. It has some limited curative activity through reduction of intercellular mycelial growth but its major effects on the pathogen occur when it is applied as a protectant.

Benzovindiflupyr (SOLATENOL) has a consistent distribution between leaf surface, leaf waxes and leaf tissue. The presence of active ingredient in a significant and homogeneous quantity in the 3 compartments allows a good redistribution of the molecule in the time, providing a good persistence.

Benzovindiflupyr acts as a succinate dehydrogenase inhibitor (SDHI) and interferes with the main route for energy production in the fungal cells. Blocking this key route leads to a major cellular energy breakdown.

## **RESTRICTIONS**

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

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

## **DISEASES CONTROLLED**

ASCERNITY is a contact and systemic fungicide for the moderate control of the following diseases:

Fusarium Patch (*Microdochium nivale*)  
Anthracnose (*Colletotrichum graminicola*)  
Dollar Spot (*Sclerotinia homoeocarpa*)

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 10 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 difenoconazole and benzovindiflupyr and applications should be made in accordance with the FRAC 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 and hand-held knapsack sprayers. Application equipment should be calibrated before use.

ASCERNITY is recommended to be applied in 125-500 litres water/ha using vehicle mounted/trailed sprayers. Use 125 - 500 litres water/ha (3 - 5 litres water/100 m<sup>2</sup>) for spot treatments using a hand-held knapsack sprayer.

### **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.

Hand-held knapsack sprayers: Half fill the spray tank with clean water and add the required quantity of ASCERNITY 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 local Code of Practice and local water authority guidelines.

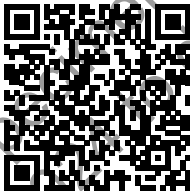
## **OTHER INFORMATION**

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.**

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

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