



Instrata[®] Elite

Fungicide

syngenta[®]

GROUP 3 12 FUNGICIDES

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INSTRATA[®] Elite is a suspension concentrate formulation containing 80.3 g/l fludioxonil and 80.3 g/l difenoconazole.

A broad spectrum foliar fungicide with both contact and systemic properties for control of Dollar Spot (*Sclerotinia homoeocarpa*), Brown patch (*Rhizoctonia solani*) and moderate control of Fusarium Patch (*Microdochium nivale*), Anthracnose (*Colletotrichum graminicola*) on managed amenity turf.

Authorisation Holder

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**PROTECT FROM FROST
SHAKE WELL BEFORE USE**

3 litres

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the SYNGENTA Logo and the PURPOSE ICON
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**INSTRATA[®] Elite
FOR PROFESSIONAL USE ONLY**

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

Contains 80.3 g/l difenoconazole and
80.3 g/l fludioxonil as a suspension concentrate.

Warning

Suspected of causing cancer.

Very toxic to aquatic life with long lasting effects.

Obtain special instructions before use.

Do not handle until all safety precautions
have been read and understood.

Wear protective gloves/ protective clothing/
eye protection/ face protection/ hearing protection.

IF exposed or concerned: Get medical advice/attention.
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.

Contains 1,2-benzisothiazol-3(2H)-one. May produce an allergic
reaction

PCS No. 05399 UFI: 42UC-J5TR-N009-6T61



L1128241 IREL/11C PPE 4220492

CONDITIONS OF USE

FOR USE ONLY AS A HORTICULTURAL FUNGICIDE.

User: Professional

Crops/situations	Maximum individual dose (litres/product/ha)	Maximum number of treatments	Aquatic Buffer Zone
Managed amenity turf	3.0	2 per year	10 m

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**

WEAR SUITABLE PROTECTIVE CLOTHING (COVERALLS) AND SUITABLE PROTECTIVE GLOVES when handling the concentrate.

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

WASH HANDS before meals and after work.

(b) Environmental protection

To protect aquatic organisms respect an unsprayed buffer zone of 10m to surface waters.*

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 OUT OF THE 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 purpose.

* To reduce this buffer zone please refer to PRCD Guidance - STRIPE (Surface Water Tool for Reducing the Impact of Pesticides in the Environment).

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

INSTRATA ELITE is a suspension concentrate formulation containing 80.3 g/l fludioxonil and 80.3 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.

Fludioxonil

Fludioxonil is a long lasting contact fungicide belonging to the phenylpyrrole chemistry group, that provides broad-spectrum activity against a wide range of turf diseases. It is believed to inhibit transport-associated phosphorylation of glucose, which subsequently results in the inhibition of fungal mycelial growth.

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

INSTRATA ELITE is a contact and systemic fungicide for the control of the following diseases:

Fusarium Patch (*Microdochium nivale*) [moderate control]
Anthracnose (*Colletotrichum graminicola*) [moderate control]
Dollar Spot (*Sclerotinia homoeocarpa*)
Brown patch (*Rhizoctonia solani*)

For optimum turf quality and disease control, use INSTRATA ELITE 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.

Crop Tolerance

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

Rates of Use

Apply INSTRATA ELITE at 3 litres per hectare in 125-500 litres water per hectare. For spot treatments, use 30 ml INSTRATA 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 INSTRATA ELITE should be used in a programme with products of different chemical groups.

INSTRATA ELITE contains difenoconazole and fludioxonil and applications should be made in accordance with the FRAG-UK guidelines.

Apply INSTRATA ELITE 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.

INSTRATA ELITE is recommended to be applied in 125-500 litres water/ha using vehicle mounted/trailed sprayers. Use 300 - 500 litres water/ha (3 - 5 litres water/100 m²) 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 INSTRATA ELITE 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 INSTRATA ELITE 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.

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

INSTRATA ELITE 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