2915/2023

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 Fusarium Patch (*Microdochium nivale*), Dollar Spot (*Sclerotinia homoeocarpa*), Brown patch (*Rhizoctonia solani*) and moderate control of Anthracnose (*Colletotrichum graminicola*) and Red Thread (*Laetisaria fuciformis*) on managed amenity turf.

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

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

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

The Voluntary Initiative

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



Warning
Very toxic to aquatic life with long lasting effects.

Avoid release to the environment.
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.
Contains 1,2-benzisothiazol-3(2H)-one. May produce an allergic reaction.
To avoid risks to human health and the environment comply with the instructions for use.
MAPP 17976 **UFI** 42UC-J5TR-N009-6T61

PROTECT FROM FROST
SHAKE WELL BEFORE USE

L1127761 GBRI/10C PPE 4219856

3 litres

Product names marked ® or ™ , the ALLIANCE FRAME the SYNGENTA Logo and the PURPOSE ICON are Trademarks of a Syngenta Group Company

IMPORTANT INFORMATION
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 (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 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.
However, engineering controls may replace personal protective equipment if a COSHH assessment shows they provide an equal or higher standard of protection.
WASH HANDS before meals and after work.

(b) Environmental protection

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



DO NOT ALLOW DIRECT SPRAY from horizontal boom sprayers to fall within 10 metres of the top of the bank of a static or flowing water body, or within 1 m of the top of a ditch which is dry at the time of application. Aim spray away from water. THIS CROP IS NOT ELIGIBLE FOR BUFFER ZONE REDUCTION UNDER THE LERAP HORIZONTAL BOOM SPRAYERS SCHEME.
This product qualifies for inclusion within the Local Environmental Risk Assessment for Pesticides (LERAP) Scheme. The statutory buffer zone must be maintained and the distance recorded in the LERAP record form. The LERAP record form must be kept available for three years.
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.

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 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.

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*)
Anthracnose (*Colletotrichum graminicola*) [moderate control]
Dollar Spot (*Sclerotinia homoeocarpa*)
Brown patch (*Rhizoctonia solani*)
Red Thread (*Laetisaria fuciformis*) [moderate control]

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 m^2) 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

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

Alternatively, contact your supplier