

INSTRATA
DRAFT LABEL TEXT

(3-10 L HDPE containers)

GAP Change

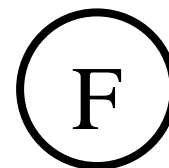
Lorna Spicer
March 2014

DRAFT LABEL TEXT

March 2014
NANUM 1465 of 2014

INSTRATA

Product registration number: *MAPP 16458*



INSTRATA is a suspo-emulsion formulation containing 362 g/l chlorothalonil, 56.9 g/l propiconazole and 14.5 g/l fludioxonil.

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 reduction of Anthracnose (*Colletotrichum graminicola*) on bowling greens, golf greens, golf tees and patch treatment on golf fairways.

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

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



Net contents

Syngenta UK Limited
CPC4, Capital Park
Fulbourn
Cambridge CB21 5XE
Tel: Cambridge (01223) 883400

In case of toxic or transport emergency ring (01484) 538444 anytime

*PROTECT FROM FROST
SHAKE WELL BEFORE USE*

Product code / Print date / xxxxxx

Batch Number

SAFETY PRECAUTIONS

(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 AND FACE PROTECTION (FACESHIELD) when handling the concentrate.

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

WEAR SUITABLE PROTECTIVE CLOTHING (COVERALLS) when applying the product by vehicle mounted or trailed equipment

WEAR SUITABLE PROTECTIVE CLOTHING (COVERALLS), SUITABLE PROTECTIVE GLOVES AND RESPIRATORY EQUIPMENT* when applying by hand-held equipment (disposable filtering facepiece respirator to at least EN149 FFP2, or equivalent).

WASH ALL PROTECTIVE CLOTHING AFTER USE.

However, engineering controls may replace personal protective equipment if a COSHH assessment shows they provide an equal or higher standard of protection.

WHEN USING DO NOT EAT, DRINK OR SMOKE.

KEEP AWAY FROM FOOD, DRINK AND ANIMAL FEEDING STUFFS.

KEEP OUT OF THE REACH OF CHILDREN.

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

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

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.

To protect aquatic organisms respect an unsprayed buffer zone to surface water bodies in line with LERAP requirements. DO NOT ALLOW DIRECT SPRAY from horizontal boom sprayers to fall within 10 m 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 PRODUCT IS NOT ELIGIBLE FOR BUFFER ZONE REDUCTION UNDER THE LERAP HORIZONTAL BOOM SPRAYERS SCHEME.

(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.

INSTRATA



INSTRATA is a suspo-emulsion formulation containing 362 g/l chlorothalonil, 56.9 g/l propiconazole and 14.5 g/l fludioxonil.

Signal word	Warning
Hazard statements	:H315 Causes skin irritation.
	:H317 May cause an allergic skin reaction.
	:H318 Causes serious eye damage.
	:H332 Harmful if inhaled.
	:H351 Suspected of causing cancer.
	:H410 Very toxic to aquatic life with long lasting effects.
Precautionary statements	:P102 Keep out of reach of children.
	:P270 Do not eat, drink or smoke when using this product.
	:P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
	:P302/P352 IF ON SKIN: Wash with plenty of soap and water.
	:P391 Collect spillage.
	:P501 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.
Supplemental Information	:EUH401 To avoid risks to human health and the environment comply with the instructions for use.

MAPP 16458

IMPORTANT INFORMATION

FOR USE ONLY AS A HORTICULTURAL FUNGICIDE.

User: Professional

Crops/situations	Maximum individual dose (product/ha)	Maximum number of treatments
Amenity grassland and managed amenity turf	9 L	1 per year

Other specific restrictions:

This product must only be applied to bowling greens, golf greens, golf tees and patch treatment of golf fairways.

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.

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 is a suspo-emulsion formulation containing 362 g/l chlorothalonil, 56.9 g/l propiconazole and 14.5 g/l fludioxonil.

Propiconazole

Propiconazole 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.

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.

Chlorothalonil

Chlorothalonil a unique multi site contact fungicide belonging to the chloronitrile chemistry group. It has broad spectrum activity against a number of turf diseases, it is believed that it deactivates several fungal enzymes (multiple-site action), therefore creating less resistance risk

Its unique activity makes it ideal for use in fungicide programs.

Fludioxonil

Fludioxonil is a new 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 is a contact and systemic fungicide for the control of the following diseases:

Fusarium Patch (*Microdochium nivale*)

Anthracnose (*Colletotrichum graminicola*) [Reduction may be achieved]

Dollar Spot (*Sclerotinia homoeocarpa*) *

Brown patch (*Rhizoctonia solani*) *

One application of INSTRATA may not give season long control of turf diseases where severe infection pressure persists.

* As a QUALIFIED MINOR USE RECOMMENDATION, evidence of effectiveness of Dollar Spot (*Sclerotinia homeocarpa*) and Brown patch (*Rhizoctonia solani*) is limited.

For optimum turf quality and disease control, use INSTRATA 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, at the very beginning of disease symptom expression.

Crop Tolerance

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

Rates of Use

Apply INSTRATA at 9 litres per hectare in 500-1000 litres water per hectare.

For spot treatments, use 90 ml INSTRATA 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 INSTRATA should be used in a programme with products of different chemical groups.

INSTRATA contains propiconazole, chlorothalonil, and fludioxonil and applications should be made in accordance with the FRAG-UK guidelines.

Apply INSTRATA 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 is recommended to be applied in 500-1000 litres water/ha using vehicle mounted/trailed sprayers. Use 1000 litres water/ha (10 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 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 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 is a trade mark of a Syngenta Group Company.

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 Plant Protection Products Regulations 1995)

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 'Extension of Use' approval or is otherwise permitted under the Plant Protection Products Regulations.

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