

FUNGAL DISEASES OF TURF GRASSES

The Sports Turf Research Institute has recently published the 2nd edition of the above-mentioned book of which the author is Mr Drew Smith, M.Sc., Plant Pathologist at the Research Institute from 1951 to 1958. This 2nd edition of a well-known book has been completely revised by the author and by Dr N Jackson who was Plant Pathologist from 1958 to 1965.

Containing approximately 90 pages of text with 13 pages of coloured or black and white photographs, the book will be of value to practical men, plant pathologists and research workers. All known information on the more common turf diseases is concisely summarised and control methods are fully described. All golf greenkeepers, groundsmen, gardeners, parks superintendents, playing fields officers, club secretaries and plant pathologists should own a copy

Those wishing to place an order should apply to the Institute. The price is 25s. (net) including postage. This hard-backed book is attractively bound in green with gilt lettering with a serviceable transparent dust cover

The contents are as follows:—

Section 1. The Principles of Turf Disease Control.

- (a) The effect of environment on the incidence and development of turf diseases.
 - (i) Moisture.
 - (ii) Temperature.
 - (iii) Soil texture.
 - (iv) Soil reaction.
 - (v) Soil organic matter
 - (vi) Plant nutrients.
- (b) The effect of species and varieties of grasses.

The field behaviour of some turf grasses towards common diseases.
- (c) The effect of cultural practices on turf diseases.
 - (i) The establishment of turf by seeding.
 - (ii) The establishment of turf by vegetative means.
 - (iii) Mowing.
 - (iv) Top dressing.
 - (v) Liming and turf acidity control.
 - (vi) Fertilisation of established turf.
 - (vii) Weed control.
 - (viii) Moss and worm control.
 - (ix) Rolling.
 - (x) Scarification.
 - (xi) Switching.
 - (xii) Aeration.
 - (xiii) Soil sterilisation.
 - (xiv) Watering.
 - (xv) Frost prevention.
- (d) The control of turf diseases with fungicides.
 - (i) Fungicidal materials.
 - (ii) Application of fungicides.
 - (iii) Safety considerations.

Disease control chart.

Section 2. Fungal Diseases of Sports Turf and Lawn Grasses.

- (a) Seedling diseases.
 - (i) Seedrot and pre-emergence blight.
 - (ii) Post-emergence seedling diseases.
- (b) Major diseases of established turf.
 - (i) Fusarium patch disease.
 - (ii) Dollar spot disease.
 - (iii) Corticium or red thread disease.
 - (iv) Ophiobolus patch disease.
- (c) Diseases due to *Helminthosporium* spp.
 - (i) Melting out of smooth-stalked meadow-grass.
 - (ii) Leaf blight of ryegrass.
 - (iii) Leafspot, footrot and seedling blight.
 - (iv) Other *Helminthosporium* spp.
- (d) Diseases of lesser importance.
 - (i) Anthracnose of annual meadow-grass.
 - (ii) Powdery mildew
 - (iii) Crown rust.
 - (iv) Stripe smut.
- (e) Inflorescence diseases.
 - (i) Choke.
 - (ii) Twist.
 - (iii) Blind seed.
 - (iv) Ergot.
- (f) Fairy rings.
- (g) Slime moulds.
- (h) Lichens.
- (i) Important turf diseases rarely or not yet recorded in the British Isles.
 - (i) Typhula blight (snow scald).
 - (ii) Brown patch.
 - (iii) Frost scorch (string of pearls).
 - (iv) Copper spot.

References.

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