



THE BIOLOGY OF FUNGAL PATHOGENS

Vol. 2: Fungal Pathogens and Diseases of Cereals (2)

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Video Production and 3D Animation:
STUMM-FILM Dr. Rolf Stumm Medien GmbH, Ludwigsburg, Germany

2003; DVD; running time: approx. 26:30 min.
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In-depth knowledge of the conditions under which pathogens, in particular parasitic fungi, live and develop is a prerequisite for crop protection. Only with this knowledge can plant diseases be detected in due time and selectively treated. The video series *The Biology of Fungal Pathogens* grants easy access to this knowledge. Through an exciting blend of vivid 3D animations and real images, with informative commentaries, these videos provide fascinating insight into the life cycles of major fungal pathogens. The series is an outstanding example of communication in modern science.

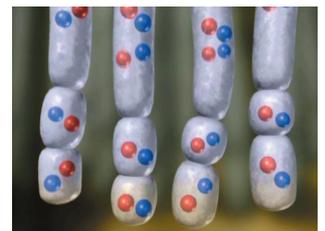
There are two videos in Volume 2:

2.1 Leaf Rust and Other Rusts of Cereals (15:30 min)

Using brown rust of wheat as an example, this movie depicts the complete life cycle of rust fungi. The production of the different spore types of rust fungi is shown using 3D computer animations.

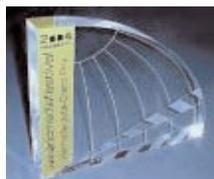
2.2 Fusarium Diseases of Wheat (10:50 min)

Fungi of the genus *Fusarium* are of great economic importance worldwide because they cause crop losses and produce mycotoxins, which can cause severe toxicities if consumed by humans and livestock. This movie depicts the life cycles of *Fusarium culmorum* and *F. graminearum* using three-dimensional computer animations blended with real images. Particularly, the modes of infection as well as epidemiological spread of the disease are exhaustively shown.



2003 COMENIUS Award

The Comenius Award is given annually by The Society for Pedagogy and Information, a renowned scientific society for multimedia, educational technology, and media didactics.



Intermedia Globe Gold

Award in the category "Public Relations: Agriculture"
World Media Festival 2004



First Prize "Scientific and Popular Scientific Films" and Prize of the the National Jury

20th International Film Festival AGROFILM