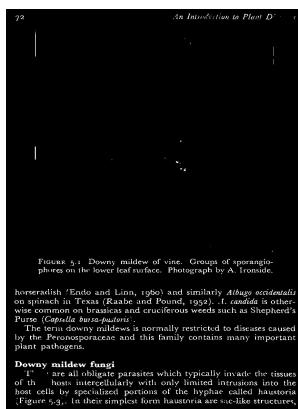


Monograph on downy mildew of crucifers

Saskatoon Research Centre, Research Branch, Agriculture and Agri-Food Canada - Downy mildew of cucurbits



Description: -

- Mineralogy, Determinative -- Laboratory manuals.
- Metallurgical analysis -- Laboratory manuals.
- Endowments -- Turkey -- History.
- Waqf -- Turkey -- History.
- Islam -- Turkey -- History.
- Cruciferae -- Diseases and pests

PeronosporaceaeMonograph on downy mildew of crucifers

- Monograph (Canada. Energy, Mines and Resources Canada) -- 881
- Monograph 881

- Technical bulletin (Saskatoon Research Centre (Canada)) -- 1997-01. Monograph on downy mildew of crucifers

Notes: Includes bibliographical references (p. 151-179) and index.

This edition was published in 1997



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Picture of the Week: 6 Apr 2015

Sporangia and sporangiophores are greatly affected by changes in temperature and humidity. A section on future priorities has also been included.

Association or Mixed Infection of Downy Mildew and White Rust Disease Complex

May be applied on the day of harvest. Professor Mehta is a Fellow of all three prominent Plant Pathological Societies in India, councilor North Zone , ISMPP, Editor-in-Chief, ISMPP and member of the Editorial board of INSOOP and Indian Phytopathological Society IPS , New Delhi, India.

Facts in Depth

The sterigmata are acute to subacute and bear pyriform to fusiform sporangia.

Downy mildew of cucurbits

Initial lesions are usually scattered across the leaf, but as disease progresses, larger areas become affected and lesions coalesce. When transplanting, discard all plants in a lot if clubroot is found on any seedling.

PPP 311: DISEASES CAUSED BY DOWNY MILDEW AND WHITE RUST FUNGI

During periods of leaf wetness from dew, irrigation or rainfall, incipient lesions can become conspicuously water-soaked Figure 1. Minuto G; Minuto A; Garibaldi A, 1997.

The Disease: Downy Mildew

In humid weather, the fungus develops as white to purplish downy growth on the spots.

Downy Mildew

Two or more pustule coalesces to form bigger pustules. Accurately timed fungicide sprays on vegetable crops, seed treatment, crop rotation and mustard-weed eradication are recommended control practices.

Details

The subgenus was based on the branching of sporangiophores, similar to that of *Peronospora* acutely branching dichotomously with pointed tips , and the presence of sporangia that germinate by releasing zoospores, similar to the reproductive unit of *Plasmopara*. The sporangia germinate into zoospores and zoospores enter the plant through stomata. The purpose of the flagella is to assist the zoospores as they swim through free moisture on the leaf surface to a stomate.

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