

A collection of mangoes showing various stages of disease. Some are green, some are yellow, and many have dark, necrotic spots or large black lesions on their skin. The background is a light-colored, textured surface.

PRACTICE-1 TO STUDY ABOUT DISEASES OF MANGO

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Identification of Mango Disease in field Condition



Anthracnose of Mango
Causal organism-
Colletotrichum gloeosporioides



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Bacterial Blight of Mango
Causal organism-*Xanthomonas*
campestris pv. *mangiferae-indicae*



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Red rust of Mango
Causal organism-
Cephaleuros virescens



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Sooty mould of Mango



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Procedure of slide preparation

- Place a drop of fluid(Cotton blue or Lactophenol) in the center of the **slide**.
- Position sample(Thickness of 5mm) on liquid, using tweezers.
- At an angle, place one side of the cover slip against the **slide** making contact with outer edge of the liquid drop.
- Lower the cover slowly, avoiding air bubbles.
- Remove excess water with the paper towel.



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Identify the conidia



Conidia of
Colletotrichum gloeosporioides



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Identify Charecteristic of pathogen

- Mycellium consist of septate, branched and slightly dark coloured hyphae.
- The hyphae developed the fruiting body known as acervulus.
- The acervulus produce closely packed, single celled, colourless conidiophore that produce oval to oblong conidia on their tip.
- Conidia are non septated measuring about $12-16 \times 4-6 \mu$ in dia. and some time possess oil globulase.
- Acervulus produce sterile hair like structure known as setae.