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Data · March 2015

DOI: 10.13140/RG.2.1.3729.1041

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# **STUDY OF COLLECTION AND PRESERVATION OF DISEASED PLANT MATERIALS**

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# Objectives

- For subsequent laboratory studies
- To send to specialist for further diagnosis
- quarantine legislation.
- future study and demonstration purposes

# When to collect

- Early to middle stage of disease development



# Materials/Equipment required

- Polythene bags, Newsprint paper
- Hand saw, Trowel, Pruning shear, knife, Scissors
- Hand lens
- Pencil, Ink markers
- Vasculum , Plant press, Paper bags, Envelopes
- Ice box
- Manual

# Points to be considered during collection

- Host plant and diseased plant
- Use paper bags for specimens.
- Plastic bags should only be used for short-term storage of damp specimens.
- Write labels in pencil (ink is not suitable as it will run if it becomes damp).

# Leaves, stems and fruit

- Dry/blot before packing
- do not overlap leaves
- healthy and diseased areas of tissue
- wrap the samples individually
- Early/ intermediate stages of symptom development
- wrap in moistened newspaper ( bacterial, virus)
- Use trowel (root sample)