



BASIC LITERACY FOR COTTON PLANT PROTECTION

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LOCATION: ARC-INSTITUTE FOR INDUSTRIAL CROPS, Rustenburg, RSA
SCHEDULED DATES: On request
COURSE FEE: Request a quote
BOOKS/ MANUALS: Plant protection notes and field guide lines
COURSE DURATION: Five (5) days

COURSE DESCRIPTION & OUTLINE

To provide basic skills and knowledge on cotton plant protection (plant pathology, entomology and nematology) in adult training

Entomology: Harmful cotton insects; beneficial cotton insects; scouting techniques as well as the benefit and how to apply IPM in cotton farming

Nematology: Basic introduction to parasitic nematodes on cotton; recognizing nematode related symptoms in your crop and the importance of proper laboratory diagnostic services. The benefit of knowing the nematode status/populations of your soil before planting in order to manage parasitic nematodes according to specific principals.

Plant Pathology: Basic introduction to plant pathology and laboratory diagnostic services; Recognition of major cotton diseases and the importance of proper laboratory diagnostics to identify diseases in the field.

Safety procedures: Reading and understanding the label on any container; interpretation of the pictograms on the label; the importance of correct dosage, application intervals and clean calibrated equipment. Personal safety measures such as alternatives to expensive protective clothing; washing of hands and clothes and safe storage of chemicals. Guidelines as prescribed by EURO-GAP are followed.

Practical training

Field trip: Visit to a cotton field where all principals are demonstrated in practice.

Laboratory practical session: A laboratory is set up with a microscope and the necessary basic equipment to demonstrate diagnostic services – students are be able to participate in handling the equipment

LEARNING OUTCOMES

Empowering technical trainers of small-scale cotton farmers to transfer scientific concepts of plant –protection subjects in adult-training format to small-scale cotton farmers

WHO SHOULD ATTEND? Prospective Honey-bush farmers and extension officers

DELIVERY MODE: Presentations, lecture notes, field guidelines, Practical and Demonstration

ENTRY REQUIREMENTS: Literate adults