

ARC – Plant Health & Protection Training Courses 2020

Courses offered by the ARC-PHP can be customized to address specific needs



Enterprise development	Duration
US 116208 - Understand the basic practices of beekeeping and the benefit thereof for agriculture (Accredited Course)	5 Days
Beekeeping Course	5 Days
Oyster Mushroom Farming	3.5 Days
Beeswax Candle Making Course	1 Day



Farmer support — Accredited Courses	Duration
US 116204 - Recognise pests, diseases and weeds on crops	6.25 Days
US 116265 - Monitor pests, diseases and weeds on crops	2.5 Days
US 116124 - Control pests, diseases and weeds on crops	2.5 Days
US 116267 - Basic Principles of Biological Nitrogen Fixation in Legumes	5 Days
Farmer support — Non-accredited Courses	Duration
Rodent control in peri-urban areas and households	3 Days
How to control insect pests in stored grains	3 Days
Pesticide Awareness	1 Day
Spraying Equipment Calibration Demonstration	1 Day



Research Based Courses	Duration
Nematology Course	10 Days
Bacteriology Course	5 Days
Mycology Course	4 Days
Introduction to Molecular Methods Course	3 Days
Entomology - Collection and Preservation of Insects	3 Days
Aphid Identification Course	2 Days
Virology Course	2 Days



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ARC – Plant Health & Protection Training Facilities 2020

*Various training facilities are available for rental at
the ARC Roodeplaat campus*

Training facilities available:

- **Digital classroom facility** with ZEISS compound and stereo microscopes that can be set up to meet the user's requirements. This facility creates an interactive digital classroom with a network of connected microscopes that allows easier study of different organisms, plants diseases and symptoms. Capacity = maximum of 10 people.
- **Micro-imaging system** consists of i) a Zeiss Axio Zoom.V16 microscope and ii) a Zeiss Axio Imager.M2 compound microscope with Differential Interference Contrast (DIC) and fluorescence. Both microscopes are fitted with AxioCam MRc high resolution cameras and a motorized Z-stack function that facilitates reproducible settings and automatic procedures. The equipment enables micro-imaging of biological samples ranging in size from a few micrometres to several centimetres.
- Access to **field trials, spray equipment** and **fully-equipped diagnostic laboratories**.
- Access to the **National Collections** of fungi, insects, nematodes, spiders, mites and bacteria is available. Research and training utilizing these collections is welcomed.
- **VOP Training Center** with modern facilities that can accommodate 100-500 trainees.

Custom-designed courses for specific requirements relating to all aspects of plant health and protection.



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