

THE MCKNIGHT FOUNDATION

# **Pesticidal Plants as alternatives to synthetic pesticides for field crops, storage and livestock in Africa: optimisation, conservation & commercialisation**

**Pesticidal Plant Workshop at  
Arc Hotel, Morogoro, Tanzania,  
5-8 December 2011**



UNIVERSITY  
of  
GREENWICH | **Natural  
Resources  
Institute**



# What do we want to achieve today?

Environmentally benign & safe way forward for pest control using plants

Identify hurdles to promotion & deployment of plants





# What do we want to achieve today?

Networking opportunities

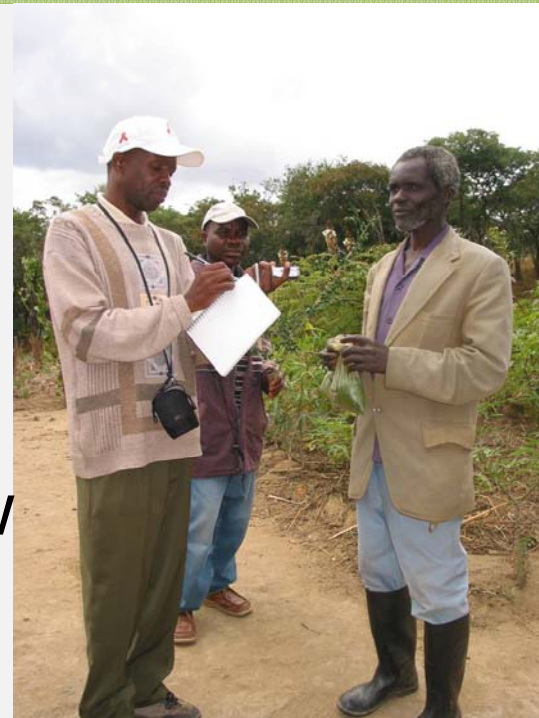
Discuss our current work

Share experiences



Learn about new approaches to pest control

Develop new research areas & way forward for up-scaling



[www.nri.org/adappt](http://www.nri.org/adappt)

# Workshop Summary

**Objective 1:** Discuss optimisation of pesticidal plants application.

**Objective 2:** Address conservation – what scope for propagation, improved harvesting & more efficient use of pesticidal plants.

**Objective 3:** Identify hurdles to commercialisation e.g. regulation and ways to circumvent them

# Day 1 AM

- 09:00 **Welcome**  
*Theo Msogoya, Phil Stevenson*
- 09:15 **Participant introductions**  
*Everyone, 1-2 minutes per person, background and research interests*
- 09:45 **Introductions to ADAPPT and McKnight Pesticidal Plant projects**  
*Phil Stevenson (20 min talk +10 discussion)*
- 10.15 **IPM – Multilevel pest management**  
*Tim Chancellor (25 +20)*
- 11:00 Coffee
- 11:30 **Optimising pesticidal plant use and getting research into use**  
*Phil Stevenson (30+30)*
- 12:30 Lunch

# Day 1 PM

- 13:30 **Propagation/conservation overview**  
*Steve Belmain (15+5)*
- 13:50 **Micropropagation**  
*Jonathan Kendon (20+10)*
- 14:20 **Macropropagation**  
*Millennium Seed Bank person TBA (20+10)*
- 14:50 **Discussion**
- 15:30 Tea
- 16:00 **Discussion on research priorities, constraints and collaboration opportunities**

# Day 2 AM

- 09:00 **Validation – crop fields**  
*Stephen Nyirenda (15+5)*
- 09:20 **Validation – post harvest**  
*John Kamanula (15+5)*
- 09:40 **Potential for novel PP treatment methods**  
*Phil Stevenson (15+5)*
- 10:00 **Discussion**
- 11:00 Coffee
- 11:30 **Extension and promotion of pesticidal plants**  
*Stephen Nyirenda and Phosiso Sola (20+20+20)*
- 12:30 **Discussion**
- 13:00 Lunch

# Day 2 PM

- 14:00 **Commercialisation, regulation and market development of pesticidal plants**  
*Phosiso Sola (20+15)*
- 14:35 **The case of pyrethrum**  
*Justus Monda (15+5)*
- 14:55 **Real IPM**  
*Henry Wainwright (15+5)*
- 15:15 **COLEACP**  
*Phil Stevenson (10+5)*
- 15:30 Tea
- 16:00 **Discussion on research priorities, constraints and collaboration opportunities**
- 17:00 **Recap summary and way forward, new collaborations** *Theo Msogoya*