

# Promotion and Extension of pesticidal plant use

Stephen P. Nyirenda and Phosiso Sola

*DARS, Malawi*

*SAFIRE, Zimbabwe*

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# Which PPs to use?

Engage farmers



- ❖ Locally available
  - ❖ Scientifically proven as effective
  - ❖ Available processing technology
  - ❖ Available markets

# Why plant pesticides?

➤ PPs have considerable promise for control of insect pests with popularity amongst poor small-scale farmers.

- ❖ effective
- ❖ low cost
- ❖ Environmentally benign and friendly
- ❖ Safe
- ❖ considered alternative



# Benefits

Reduced cost of production allocated to pest management has led to:

- better shelter – a shift from mudded house to burnt moulded bricks.
- Able cover fees payments
- Ease mobility through purchases of push bikes.
- food secured



# Farmers' Perspective

Perceived as:

- Woman's job (collection and processing of plants).
- However more men participate
- Considered as real alternative to chemicals amongst poor farmers



# NGOs Experience

NGOs promote the use of pesticidal plants

- Temwa
- Total land care

Training their Extension staff.



# Promotion-How to manage and harvest?

- ❖ Plant ecology
- ❖ Sustainable harvesting
- ❖ Harvesting and plant chemistry
- ❖ Policy and institutional arrangements



# How to grow?

- Domestication potential
- Age to maturity
- Economics of domestication





# How to process and use?

- Research institutions in collaboration with Extension & NGOs take active role
  - Disseminating and promoting pesticidal plant use

through:

- ✓ participatory research programs,
- ✓ fields days, and
- ✓ publication of leaflets
- ✓ training



though requires strong registration policy !!!

# Safety Issues




# Dissemination

- Open/Field days



# Leaflets

vegetable crops will also be evaluated. The work is supported by EU/SADC-ICARTCRAP.



**Stephen Nyirenda**

The man behind this work is Stephen Nyirenda, an entomologist based in Malawi, and in collaboration with colleagues in Malawi, Zambia, Zimbabwe and the United Kingdom. The purpose of this evaluation is to determine which botanical plant or plants can be used to reduce the incidence of tomatoes and rape vegetables.

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# Farmers' response

## ☐ Positive

Farmers are able to use PPs on their own fields

