

# The WHO Pesticide Evaluation Scheme (WHOPES)

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# WHOPES

- An international programme coordinating testing and evaluation of public health pesticides
- Established in 1960 – WHA13
- Functions in collaboration with ...
  - Network of Collaborating Centres and research institutions
  - Panel of experts and advisory groups
- A four-phase testing and evaluation Scheme
  - Safety, efficacy, operational acceptability and quality standards
- Industry participation, voluntary basis

# WHOPES

## Objectives:

- to facilitate the search for alternative pesticides and application methods that are safe and cost-effective; and
- to develop and promote policies, strategies and guidelines for the selective and judicious application of pesticides for public health use, and assist and monitor their implementation by Member States.

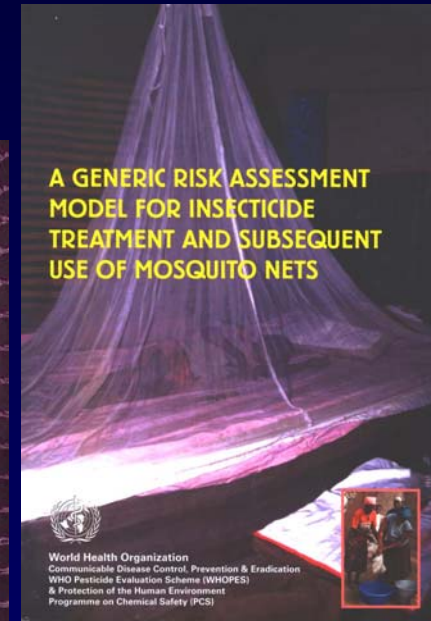
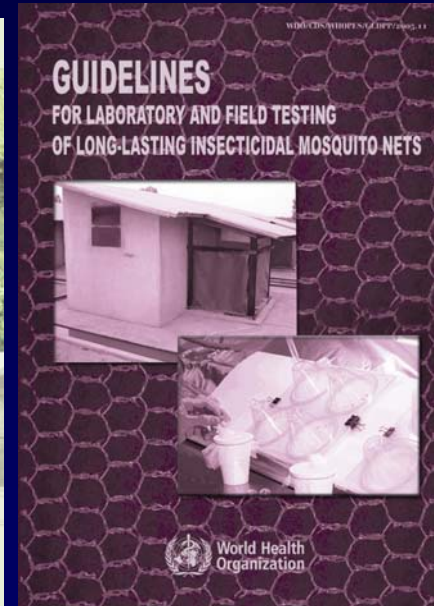
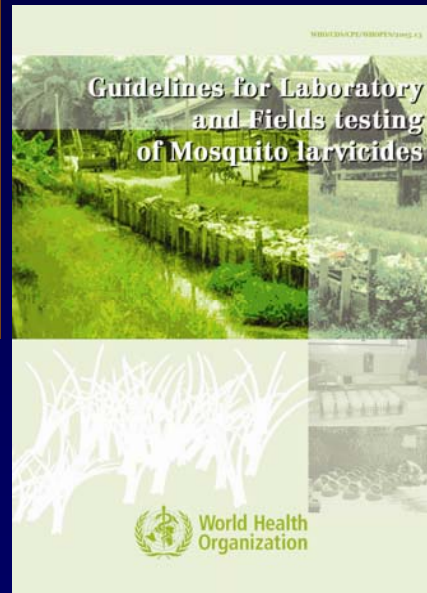
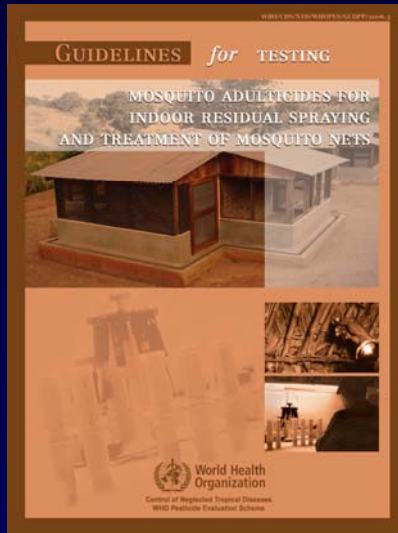
# WHOPES

- Application dossier
  - Including information about:
    - Manufacturer
    - Phys-chem properties
    - Mode of action
    - Manufacturing process and specifications; impurity profile
    - Human and environmental toxicity
    - Formulation and label recommendation
    - Draft specifications and methods of analysis
    - Risk assessment for intended application
  - Guiding document available on request
  - Standard *proposer data entry form*  
(<http://www.who.int/whopes/quality>)

# WHOPES

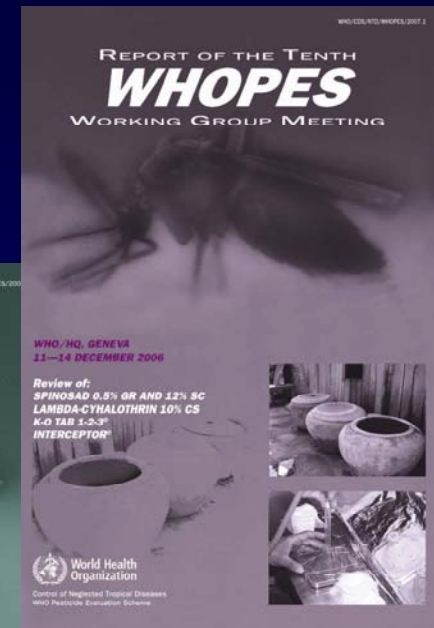
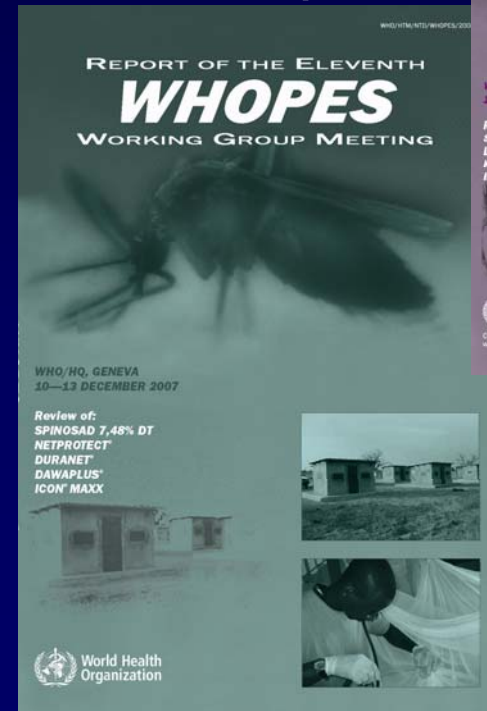
- Evaluation
  - Requirements & procedure - WHO guidelines and available data/information in the application dossier
  - Consent of industry to the proposed requirements, protocols, timelines and cost at the outset of the process
  - Duration and cost variable
  - Safety assessment - WHO/PCS
    - JMPR and national assessments
    - Novel vs existing compounds
    - National/ethical clearances

# WHOPES Guidelines:



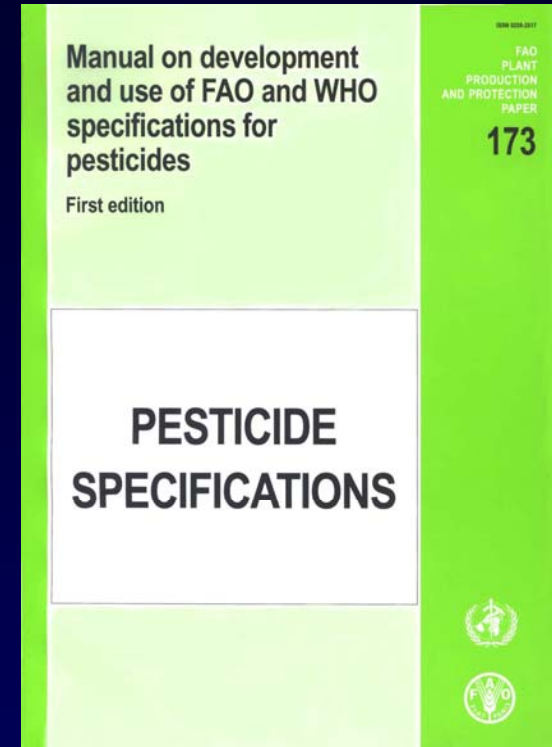
# WHOPES

- Evaluation
  - WHOPES Working Group Meetings
  - WHOPES recommendations - scope



# WHO specifications

following satisfactory  
evaluation of safety and  
efficacy



- FAO/WHO Joint Meeting on Pesticide Management (JMPS)
- New (2002) vs. old procedure
- WHO specifications and evaluation reports

# International Code of Conduct on Distribution and Use of Pesticides

4.2 Each country should possess or have access to facilities to verify and exercise control over the quality of pesticides offered for sale or export, to establish the quantity of the active ingredient or ingredients and the suitability of their formulation, according to FAO or WHO specifications, when available.

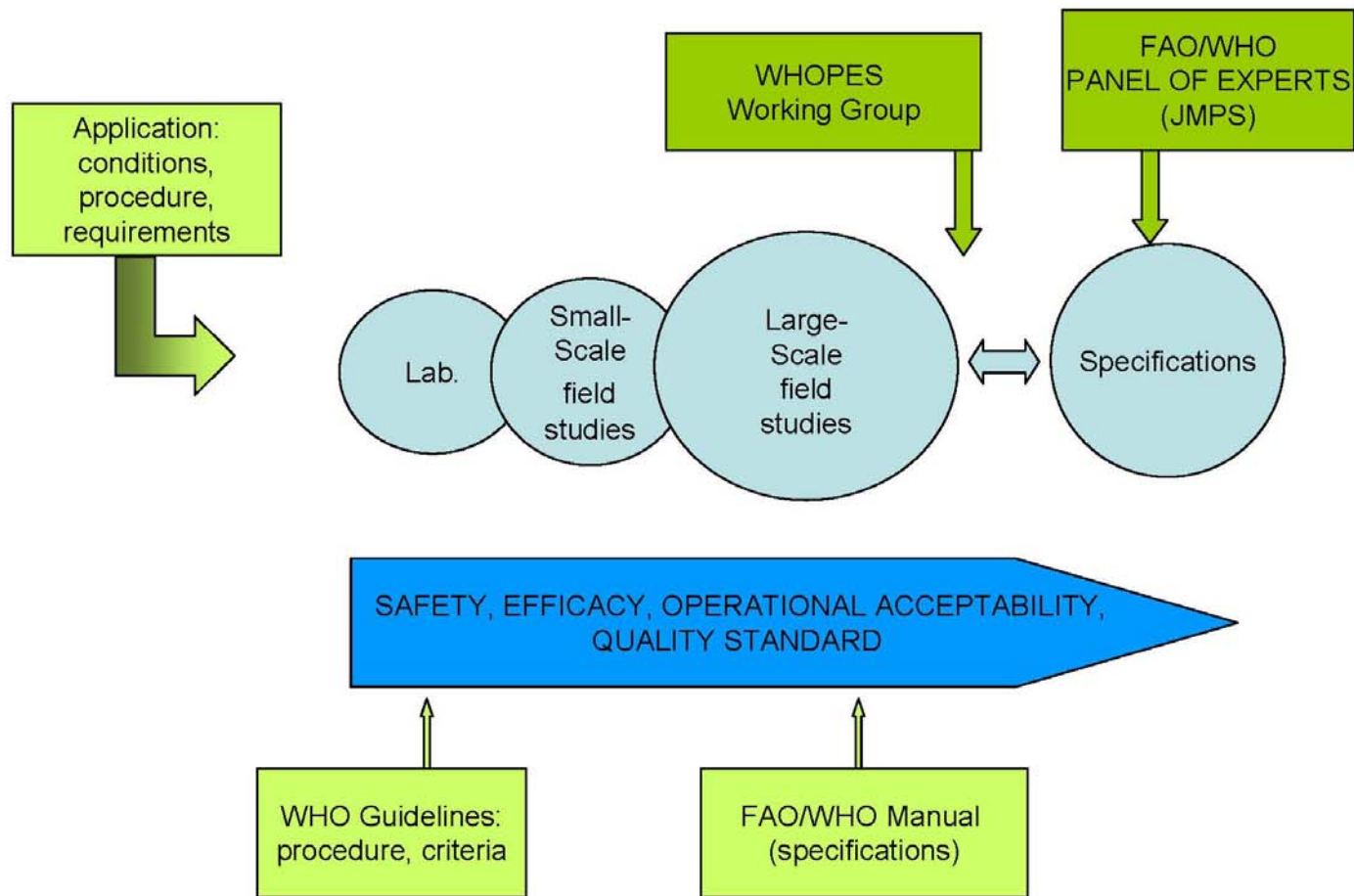
## **Governments should:**

6.1.4 use the principles described in the Manual on Development and Use of FAO and WHO Specifications for Pesticides for determining equivalence of pesticides.

## **Pesticide industry should:**

6.2.4 ensure that active ingredients, and formulated products for pesticides for which international specifications have been developed, conform with the relevant FAO specifications for agricultural pesticides, and with WHO pesticide specifications for public health pesticides.

# WHO Pesticide Evaluation Scheme (WHOPES)



# WHOPES

## – Vision

- Regulation prerogative responsibility of national authorities
- Registration - key to sound management of pesticides
  - Adequate resources and supported by legislation
  - Comprehensive; harmonized and clear registration requirements and criteria;
  - Follow internationally accepted and agreed evaluation standards and procedures
  - Use of all available information and mutual acceptance of data
  - Transparency and exchange of information
  - Risk assessment and mitigation based on the local situations

# WHOPES

## – Priorities and actions

- Intensified collaboration with national programmes and other stakeholders, including international organizations, NGOs and industry
- Mobilize resources for strengthening national regulatory capacity
- Promote harmonization, networking and work-sharing
- Promote judicious use of insecticides through principles of IVM
- Expand WHOPES testing and evaluation to other public health pesticides