WHO Pesticide Evaluation Scheme (WHOPES)

Dr M. Zaim
WHO Pesticide Evaluation Scheme (WHOPES)
Vector Ecology and Management
World Health Organization
zaimm@who.int
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.
WHO Pesticide Evaluation Scheme (WHOPES)

Application: conditions, procedure, requirements

WHOPES Working Group

FAO/WHO PANEL OF EXPERTS (JMPs)

Lab. Small-Scale field studies

Large-Scale field studies

Specifications

SAFETY, EFFICACY, OPERATIONAL ACCEPTABILITY, QUALITY STANDARD

WHO Guidelines: procedure, criteria

FAO/WHO Manual (specifications)
WHOPES Guidelines:

Efficacy assessment
WHOPES Guidelines:
Risk assessment

- Generic risk assessment models under finalization:
  - indoor residual spraying of insecticides,
  - in-door and out-door space spray application of insecticides for public health, and
  - mosquito larviciding.
WHOPES

- 12th WGM
  - BioFlash GR
  - PermaNet 2.0
  - PermaNet 2.5
  - PermaNet 3.0
  - Lambda-cyhalothrin LN

- 13th WGM
  - Olyset
  - DawaPlus 2.0
  - Tianjin Yorkool LN
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
Pesticide products under WHOPES laboratory and or field testing and evaluation

<table>
<thead>
<tr>
<th>Product</th>
<th>Manufacturer</th>
<th>Application</th>
</tr>
</thead>
<tbody>
<tr>
<td>Deltamethrin (coated) LN</td>
<td>Tianjin Yorkool, China</td>
<td>Malaria prevention</td>
</tr>
<tr>
<td>Duranet*</td>
<td>Clarke Mosquito Control, USA</td>
<td>Malaria prevention</td>
</tr>
<tr>
<td>Interceptor*</td>
<td>BASF, USA</td>
<td>Malaria prevention</td>
</tr>
<tr>
<td>MAGNET™ LN</td>
<td>V.K.A. Polymers, India</td>
<td>Malaria prevention</td>
</tr>
<tr>
<td>Netprotect*</td>
<td>Intelligent Insect Control, France</td>
<td>Malaria prevention</td>
</tr>
<tr>
<td>Spinosad EC</td>
<td>Clarke Mosquito Control, USA</td>
<td>Mosquito larviciding</td>
</tr>
</tbody>
</table>
• Capacity strengthening for life-cycle management of public health pesticides
  – Development of new guidelines
    • PHP policy and regulations
    • Monitoring LNs under operational use
  – Country support (Needs assessment and training)
  – Research capacity strengthening
  – Global survey on PHP management practices

• Quality control
  – Pesticides & PA equipment
    – Including WHO susceptibility test kits

• Training
  – IRS video
TECHNICAL GUIDANCE FOR MANAGEMENT OF PUBLIC HEALTH PESTICIDES

- Policy frameworks and guidelines
- Registration
- Enforcement
- Distribution and sale
- Use/application
- Training and awareness raising
- Safe disposal of obsolete stocks and waste
