



# 4. IMPACT ASSESSMENT WORLD CAFÉ: PESTICIDE USE

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Location · Month Year



GLOBAL ENVIRONMENTAL  
MANAGEMENT SUPPORT

# PESTICIDE USE

- Pesticides are dangerous—they are designed to kill!
  - Significant impacts on human health & environment
- Common to all USAID development programs
  - Global Health (vector control)
  - Economic Growth (higher value crops, export opportunities)
  - Food Security (increased output, storage)
- USAID takes a very systematic and thorough approach
- Specialized environmental review is required: 22CFR 216.3(b)—USAID Pesticide Procedures



# USAID PESTICIDE PROCEDURES

- Broad interpretation of “procurement or use”
  - Training, promotion, transport, storage, etc.
- USEPA registration status is guiding criteria
  - “same or similar uses ... without restriction”
- Documentation is prepared as a separate section in the IEE
- An EA may be required—based on USEPA status
- Certain exceptions apply
  - Emergencies, research and “limited field evaluation”



# PESTICIDES AND THE EIA PROCESS

Prioritize Integrated Pest Management (IPM)	Assess Environmental Factors	Document Analysis & Specify Mitigation
<ul style="list-style-type: none"> <li>• Be prevention-oriented</li> <li>• Identify alternatives to synthetic pesticides</li> <li>• Select pest-resistant or tolerant crops or varieties</li> <li>• Use hand-picking</li> <li>• Enclosures</li> <li>• Natural repellents (plants, oils, etc.)</li> <li>• Introduce natural predators</li> </ul>	<ol style="list-style-type: none"> <li>a) <i>USEPA registration status;</i></li> <li>b) <i>Basis for selection—Why is this pesticide being selected? How will it be used? On what crops? Against which pests?</i></li> <li>c) <i>Extent to which use is part of an IPM program;</i></li> <li>d) <i>Proposed application method and availability of appropriate application and safety equipment (e.g., correct types of pumps/sprayers, personal protective equipment [PPE], etc.);</i></li> <li>e) <i>Any acute and long-term toxicological hazards—either human or environmental—and measures to minimize</i></li> <li>f) <i>Effectiveness;</i></li> <li>g) <i>Compatibility with target and non-target ecosystems;</i></li> <li>h) <i>Usage conditions—Where and in what environmental setting(s) will the pesticide be used (climate, flora, fauna, geography, hydrology, and soils)?</i></li> <li>i) <i>Availability and effectiveness of other pesticides or nonchemical control methods;</i></li> <li>j) <i>Requesting country’s ability to regulate or control distribution, storage, use and disposal;</i></li> <li>k) <i>Provisions made for training of users and applicators; and</i></li> <li>l) <i>Provisions made for monitoring use and effectiveness</i></li> </ol>	<ul style="list-style-type: none"> <li>• Evaluation of proposed or requested pesticide(s)</li> <li>• Must be approved as formal 22 CFR 216 environmental compliance document</li> <li>• Must include product-specific mitigation measures and safer-use requirements</li> <li>• Most often prepared and submitted as IEE amendment</li> <li>• Approval contingent on conditions for safer use</li> </ul>