

## 4. IMPACT ASSESSMENT WORLD CAFÉ: PESTICIDE USE

Location · Month Year





## **PESTICIDE USE**

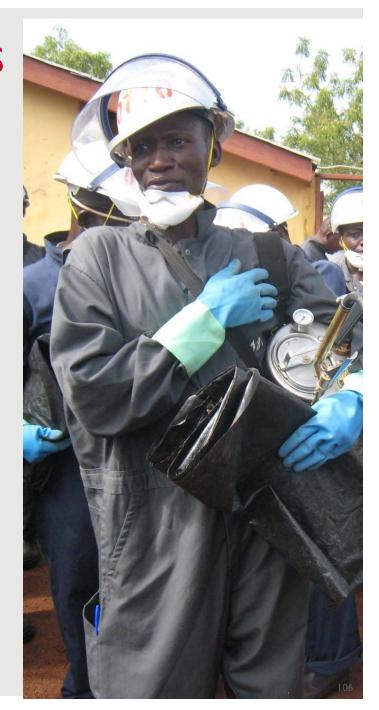
- Pesticides are dangerous—they are designed to kill!
  - Significant impacts on human health & environment
- Common to all USAID development programs
  - Global Health (vector control)
  - Economic Growth (higher value crops, export opportunities)
  - Food Security (increased output, storage)
- USAID 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"



5/21/2018 World Café



## PESTICIDES AND THE EIA PROCESS

Prioritize Integrated Pest Management (IPM)	Assess Environmental Factors	Document Analysis & Specify Mitigation
<ul> <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>	<ul> <li>a) USEPA registration status;</li> <li>b) Basis for selection—Why is this pesticide being selected? How will it be used? On what crops? Against which pests?</li> <li>c) Extent to which use is part of an IPM program;</li> <li>d) Proposed application method and availability of appropriate application and safety equipment (e.g., correct types of pumps/sprayers, personal protective equipment [PPE], etc.);</li> <li>e) Any acute and long-term toxicological hazards—either human or environmental—and measures to minimize</li> <li>f) Effectiveness;</li> <li>g) Compatibility with target and non-target ecosystems;</li> <li>h) Usage conditions—Where and in what environmental setting(s) will the pesticide be used (climate, flora, fauna, geography, hydrology, and soils)?</li> <li>i) Availability and effectiveness of other pesticides or nonchemical control methods;</li> <li>j) Requesting country's ability to regulate or control distribution, storage, use and disposal;</li> <li>k) Provisions made for training of users and applicators; and</li> <li>l) Provisions made for monitoring use and effectiveness</li> </ul>	<ul> <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>