



4. IMPACT ASSESSMENT WORLD CAFÉ: PESTICIDE USE

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