AIRS in Action
AIRS project implemented IRS in 14 countries in 2012
7.31 million people protected from malaria
  • 199,681 pregnant women
  • 1.38 million children under five

730,483 sachets used

2.12 million houses targeted for spraying

2.06 million houses sprayed with IRS
Project results: 97% average coverage

Percent Coverage

- Benin
- Burkina Faso
- Ethiopia
- Ghana
- Liberia
- Mali
- Nigeria
- Rwanda
- Senegal
- Hundreds of soak pits/wash areas constructed or rehabilitated
- Local ECOs in each country office
- Pilot Smart Phone Technology
1. Pre-season Environmental Compliance Assessment

2. Work List, Budget Estimation, Purchase Requisitions, follow-up.

3. Pre-season Final Inspection - Performed upon receipt of contractor invoice or other work completion report, constitutes pre-spray report.

4. Pre-, Mid-, and Post-Spray Inspections - Performed throughout the spray season during morning mobilization, daily spray operations, and end-of-day clean-up. Constitutes mid-spray report(s)

5. Post-Season Inspection – Performed 2-4 weeks after spraying ends, Constitutes EC section of EOSR

6. Work Plan, Budget Estimation
Checklist programmed into GPS-enabled smart phone

Phone prompts to read and record GPS coordinates internally

Prompts to take photo at key points, e.g., soak pits

Uploads data to server via 3G/4G or wireless

Data can be mapped with GIS software

Planning, supervisory, and visualization tool

Data generate work list and track completion
Entomologist staff position in each country office

Standardized entomological monitoring
- Spray quality assurance and insecticide residual life testing
- Insecticide resistance testing
- Vector bionomics analysis including baseline data
Regional entomological training

Insectary in a Box

Low resource setting staffing
Race to the Starting Line
  • Enables project managers assess the progress of preparations to launch spray campaigns.

Spray Supervision Checklist
  • Provides criteria for monitoring the implementation of spray operations activities in the field.

Logistics Dispatch Plan
- **Spray Team Performance Tracking**
  - Provides IRS project managers and spray operations field supervisors with the information required to track the performance and progress of spray teams on a daily basis throughout the spray campaign.

- **AIRS Spray Performance Calculator**
  - Guides IRS project managers on how to determine spray operator performance standards, set performance targets, and use the Performance Tracking Sheet.
IRS Supply Chain and Warehouse Management Guide

- Quantification of IRS commodities, equipment, supplies and human resources
- PMI BMP requirements for IRS Warehousing
- Insecticide stock tracking and management
- Inventory management
Monitoring and Evaluation Capacity Building

- New spray database and reporting tool
- Increased M&E capacity at country level
- Spray Data Quality Assurance Monitoring
AIRS Country Capacity Assessment Framework

Uganda Capacity Assessment Dashboard