

South Asia Project Activities

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Primary Partners

- ❖ India
 - ❖ Tamil Nadu Agricultural University
 - ❖ TERI
- ❖ Bangladesh
 - ❖ BARI
- ❖ Nepal
 - ❖ IDE
 - ❖ NARC

Research and Outreach

- ❖ Component Research
- ❖ IPM Package Development
- ❖ Global Theme Participation

IPM Packages

- ❖ Evolution
- ❖ Structure
 - ❖ 'Putting our best foot forward'
- ❖ Packages in SA Region
 - ❖ Eggplant
 - ❖ Tomato
 - ❖ Cucurbits
 - ❖ Okra
 - ❖ Beans
 - ❖ Cabbage/Cauliflower

IPM Package

Benefits

- ❖ Demonstrate multitactic
- ❖ Demonstrate integration
- ❖ Benefits due to synergy
 - ❖ Labor, costs, monitoring
- ❖ Farmer customization
- ❖ New technology leverage
- ❖ Experience marketing high level IPM produce
- ❖ Continuity for outreach partners

Shortcomings

- ❖ Difficult to apply replicated plot designs
- ❖ Difficult to value individual components

General Components IPM Package

- ❖ Soil Amendments
 - ❖ Poultry refuse, mustard cake
 - ❖ Trichoderma and Pseudomonas
- ❖ Resistance Variety Selection
- ❖ Root grafting
- ❖ Economic weed mgmt
- ❖ Monitoring and mechanical pest destruction
- ❖ Biological Control
 - ❖ Trichogramma, ladybirds, syrphids, Bracon
- ❖ Pheromone trap and kill

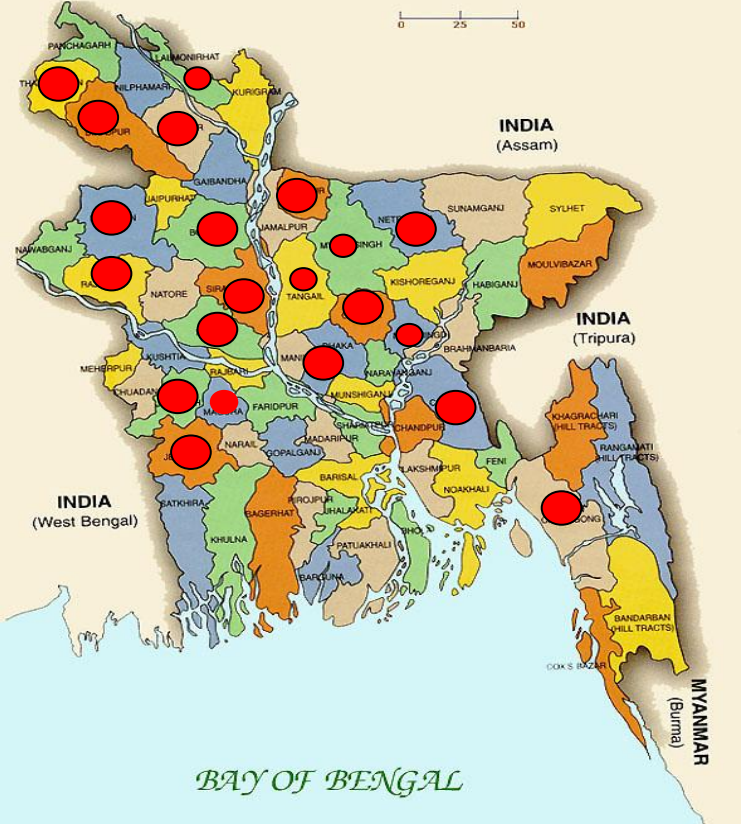
Assessment

- ❖ Economics
- ❖ Behavior change and adoption
- ❖ Women's roles
 - ❖ Coordinated among countries

Impacts: Bangladesh

- ❖ Cucurbit package
 - ❖ Fruit damage reduced 80-95%
 - ❖ Costs reduced 85%
 - ❖ 1.5-2 times higher yield
 - ❖ 2004 – 20.5 ha; 2009 – 350 ha
 - ❖ Expanded export market of U.S. company
 - ❖ Changed national pesticide regulations

Hundreds of farmers are now producing pesticide-free vegetables by adopting IPM practices in various areas of more than 20 districts of the country



IPM CRSP Bangladesh Site