

Economic impacts

- baseline survey
 - Costs of production
 - Pest management activities, costs, frequency
 - Cultural practices
 - Labor
- IPM alternatives
 - changes in costs
 - pest management activities, ...
 - cultural practices
 - labor

Impact Assessment

- Economic impacts
 - Financial impacts (i.e., impacts on farmer profits, market level impacts)
 - Environmental impacts (i.e., non-market impacts – health, quality of water, ...)
- Social impacts

Farmer
Practice

IPM

Land Preparation

Labor

Fertilizer

Other

Planting

Labor

Seed

Other

Cultivation/Pest Management

Labor

Pest Control Materials

Other

Harvesting

Labor

Other

Total Cost

Yield

Return to Farmer (Y * Price)

Up-scaling

- Area affected by the IPM system
 - number of farmers (farmer groups)
 - area planted to the crop
- Global impact
 - Global Theme – Virginia Tech/IFPRI

Environmental impacts

- Pesticide use changes
 - water quality health
 - human health
 - biodiversity
 - other
- Kg Active Ingredient removed from environment?

Social impacts

- Changing roles of labor/family
 - timing
 - how does changing crop management system change people's behavior in and out of farming
 - gender impacts