

Economic Evaluation Team Report- 2012

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Goals of the economic evaluation:

- 1) assess the impact of BMSB on specific commodities
- 2) estimate the cost of current control strategies
- 3) project the cost and potential benefits of proposed management strategies

Economic information can be useful for:

- prioritizing research and extension efforts for individual commodities
- encouraging producer adoption of new control tactics
- informing policymakers of the economic impact of this pest

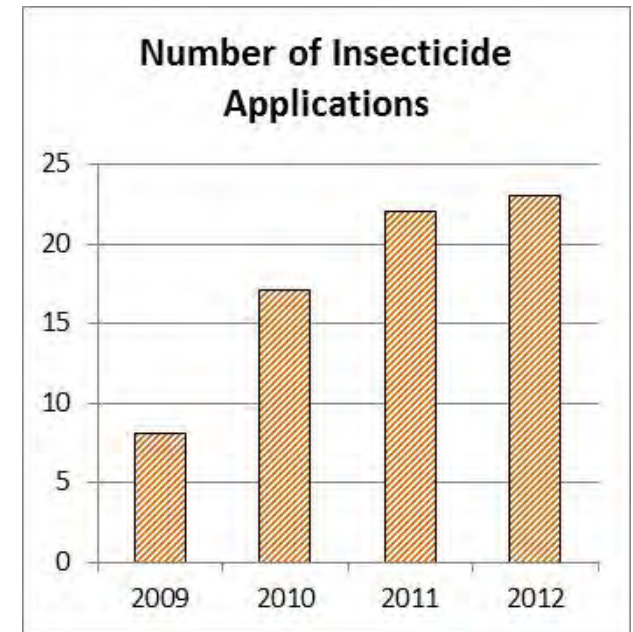
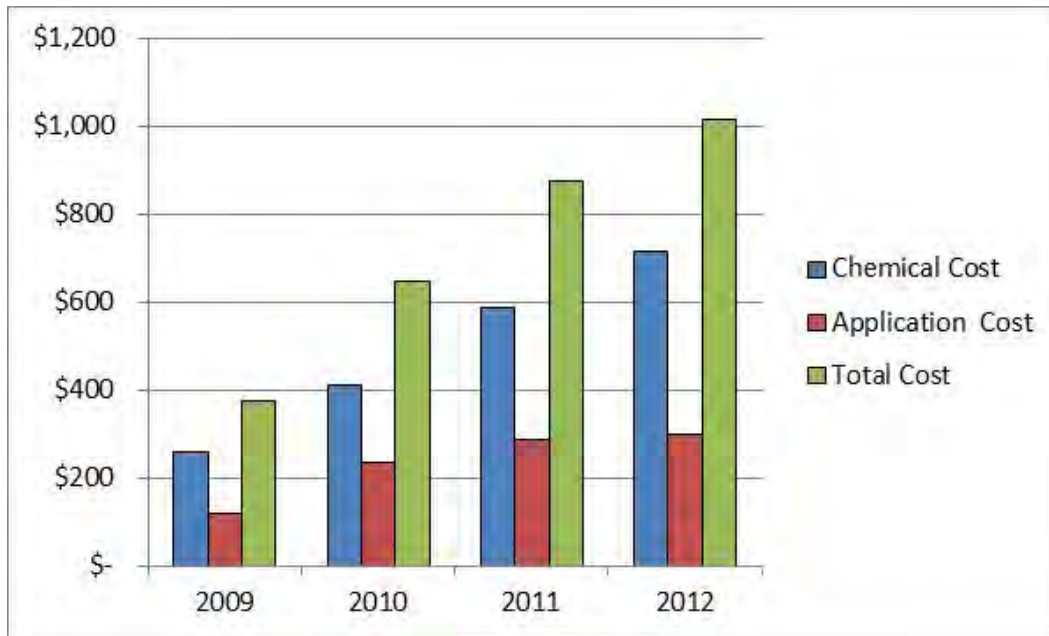


“Case Studies” in BMSB Management

- For individual crops, how has BMSB changed:
 - The use of insecticides?
 - The quality of the crop (and the marketable yield)?
- How will new BMSB management techniques affect:
 - The cost of insect management?
 - The quality of the crop (and the marketable yield)?
- Scale: micro (individual farm) or macro (industry, state, county) level

Impact of BMSB on Insecticide Costs for an Apple Orchard in Lancaster Co., PA

Cost of Insecticides and Application (\$/A)



What do we need to get started?

- Data on pesticide usage and yield/packout
- We can generate the cost of currently available management practices
- We can estimate the value of quality/yield losses
- We can project the cost of proposed management techniques

Summary of Potential Research and Extension Outputs

- Gauge the impact of BMSB on the profitability of producing a given commodity.
- Determine the costs and potential benefits of proposed management tactics.
- Evaluate potential physical and financial constraints faced by producers in implementing the proposed tactics.
- Fine tune management recommendations and provide feedback to producers on the status and commercial viability of proposed control tactics.
- Make information on cost and benefits of proposed management strategies available through extension channels.