

Integrated Management of Coffee Berry Borer

Impact evaluation
(Project: CFC/ICO/02)



Common Fund for Commodities



CABI Bioscience
A division of CAB International



PROJECT COMPONENTS

- Improvement and testing of mass rearing and delivery systems for natural enemies (pathogens and parasitoids) of the CBB
- Provision of natural enemies to participating countries
- Integration of biological control technologies and other methods for cultural and chemical control to develop Integrated Pest Management (IPM) systems
- Dissemination of IPM technology/information and associated training to participating and other countries

ICO COMPOSITE PRICE



Control strategies

- Cultural controls
- Biological controls
 - Parasitoids
 - *Beauveria bassiana*
- Trapping/monitoring
- Chemical control

Need for several pass-harvesting (Re-re)



Differential flowering: CBB reservoir



CBB attacked by:

BEAVERIA BASSIANA



PHYMASTICHUS COFFEA



Commercial *Beauveria bassiana*



Lessons learned

- **Project was complex: project management more difficult than normal**
- **Dip in coffee market (2000-2004) reduced the farmers interest ---->impact on the project**
- **Cultural control is sustainable, effective , environmentally sound, but cost may be prohibitive**
- **The existence of an inter-country structural working party on CBB IPM would have enhanced the project's sustainability**

Recommendations

- **Farmers' participatory methods should be central**
- **Small farmers in Central American countries that have not participated in the original project could benefit from its results and the advances that have been made since**
- **Indonesian Farmers need empowerment to understand & apply IPM techniques against CBB**
- **Continued but carefully focused testing of biological control agents in the field should be encouraged.**
- **Greater price incentives needed for quality**
- **Priority should be given, within an IPM framework, to minimizing the use of chemicals for CBB control**