

Sustainable Alternatives to Endosulfan

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Endosulfan

- Widely used broad spectrum organochlorine insecticide
- **2011**
 - listed by the Rotterdam Convention subject to the PIC procedure
 - listed by the Stockholm Convention as a POP targeted for global elimination
- Resulted to the need of alternatives to the use of endosulfan in agriculture
- **Parties requested the Secretariat to provide assistance in finding alternatives**

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Our Aims

- **Bridging** existing knowledge of the FAO and relevant NGOs to the Conventions community
- Promoting **sustainable and environmentally sound alternative solutions**, in particular IPM
- Focusing on major uses and exempted uses under the Stockholm Convention, e.g. coffee and cotton

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Our Actions

An example: "Project on growing coffee without endosulfan"

Lead: PANUK

- + FAO/RC Secretariat
- + 4C Coffee Association (include Fairtrade, Rainforest Alliance)
- + Dutch funded Sustainable Coffee Program
- + PAN's network in Latin America

Activities

- Desk study: collected information on alternatives and best practices to control the coffee berry borer, one of the most harmful pests to coffee crops
- Field visits: to Colombia, Nicaragua and El Salvador: **interviewed 30 farmers, representing various size and geographic conditions, that have successfully moved away from endosulfan**
- Development of useful practices, training and awareness raising tools

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Results

- A series of **videos** has been produced and ...
 - No. 1: *Use of Cultural Controls*
 - No. 2: *Use of Biopesticides based on the fungus Beauveria bassiana*
 - No. 3: *Use of Trapping*
 - No. 4: *Monitoring and Decision-making*
- Compilation of the findings with **details on techniques** and their costs, labour and equipment required, timing and effectiveness

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Key findings

Proven knowledge from farmers showed

- *Control of the principle coffee pest (CBB) without endosulfan is perfectly feasible*
- *Effective management relies on ecologically based IPM*
- *It is a myth that non-chemical alternatives are always more expensive*

In order to help farmers to move away from endosulfan in coffee, **policy and technical support is needed**

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Follow up

- Development of a leaflet to promote the findings of “Growing Coffee Without Endosulfan”
- Language versions of the 4 videos (S, E, F, P) for wider distribution
- A short video using field information on farmers concern about HHPs

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<http://www.4c-coffeeassociation.org/our-services/sustainability-platform/pesticides.html>

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