

PROJECTS: ETHIOPIA

ENVIRONMENTALLY FRIENDLY MOSQUITO AND PEST CONTROL IN TOLAY



Project

The inhabitants of the Tolay region in Ethiopia are exposed daily to the danger of contracting malaria. The disease is transmitted by insects and is one of the main reasons for the high child mortality rate in Tolay. Since 2007, Biovision has supported a project to inform the communities of the relationship between mosquitoes and malaria. Together with local communities, measures have been implemented to control mosquitoes in an environmentally friendly way thereby reducing cases of the disease.

Scientific surveys have shown that various plant extracts are excellently suited to environmentally-compatible malaria mosquito control. An extract from the seeds of the neem tree, for example, is very effective against mosquito larvae. Herbal products can also be used effectively in agricultural pest control, replacing the need for chemical pesticides. This project supports the people of Tolay in procurement and application of plant extracts for environmentally friendly malaria and pest control. The people of Tolay are informed of the efficacy of plant extracts in malaria and pest control in training courses, and they learn how to cultivate and use the plants themselves. For women especially this opens up possibilities, in that they can sell botanic products at local markets to generate additional income for their families.

Relevance

Living conditions for people in Tolay are difficult. On one hand they have to deal with the tropical disease malaria, and on the other they must cope with loss of agricultural yield due to pests. This project supports the people in the procurement and use of native plant extracts that can be effectively used against mosquito larvae and plant pests.

Development Goal

Sustainable improvement of health and food security for the population of Tolay through environmentally friendly malaria and pest control.

Beneficiaries

An estimated 51,000 people who live in the 3 villages of the project area benefit directly or indirectly from improved, environmentally compatible malaria and pest control.

Project number:
BV HH-03.A

Project running since:
January 2011

Project duration:
Until 31. December 2011

Budget for 2011:
29'609

Project coordinator:
Charles Mbogo, *icipe*

Program responsibility:
Verena Albertin



Trained experts are responsible for identification and culture of the plants that are used in malaria and pest control.



Firstly, people are trained in the cultivation and use of the plants. Then they receive seedlings to apply what they have learned at home in their gardens.

Goals

1. **Setting up of a garden facility and demonstration fields** for identification and cultivation of plants
2. **Training of 150 experts and 13 Mosquito Scouts** in the manufacture and application of organic pesticides
3. **Distribution of 4000 brochures** on production and application of bio-pesticides, and **publication of handbooks** on the plant extracts used
4. **Cultivation and distribution of 1.2 million plant seedlings** to 30,000 people in the Tolay region so that they can grow and increase the plants in their home gardens
5. **Testing the efficacy of different plants** and training experts who will research the application of bio-pesticides in the laboratory and in the field



Tolay is located in the Gibhe Valley in the regional state of Oromiya.

Partner organisation

International insect research institute *icipe* (implementing partner, www.icipe.org); Wondo Genet Collage of Forestry and Natural Resources; Oromiya Regional State / Jimma Zone Health Bureau and Jimma Zone Natural Resource Development Bureau

Sustainability

Sustainability calls for a holistic vision: healthy people, animals and plants in a healthy environment. (4x Health, 4-H Strategy). Every project supported by Biovision effects considerable improvements in at least one of the four health areas. The key to effectively replicating the success of the project is the availability of specific information on the methods applied and the results achieved. With this approach and its 'helix of effects', living conditions are improved and the poverty of the people is gradually overcome while the environment is protected.



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