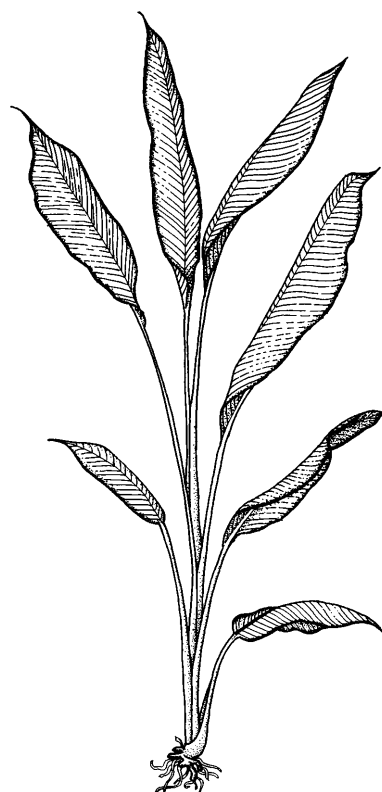




**Natural  
Crop  
Protection**  
in the  
Tropics

Letting  
Information  
Come to Life

Gabriele Stoll



Turmeric  
*Curcuma domestica*

# Just published

## ***Natural Crop Protection in the Tropics***

Letting Information Come to Life  
***Gabriele Stoll***

Completely Revised, Enlarged and Updated Edition

### ***Publication Details***

Publication Date:	November 2000
Price:	DM 108.- / EUR 55.-
Extent:	376 pages
Format:	170 x 240 mm
Illustrations:	151 drawings 15 B/W Photos
ISBN:	3-8236-1317-0

### ***The Book***

This book presents practical information on natural crop protection techniques. Recognizing that these techniques, which derive from local, traditional and scientific sources, often have to be verified, adapted or improved, the book includes a section on approaches and methodologies by presenting a number of case studies.

This concept has been chosen in order to link information on natural crop protection with approaches and methodologies. By presenting both technical information and case studies on Farmer Participatory Research the book lets this information come to life and thus supports the application for resource-poor and organic farmers.

The book intends to contribute to providing farmers and their advisors with the experience and confidence needed to make the best use of the resources available to them.

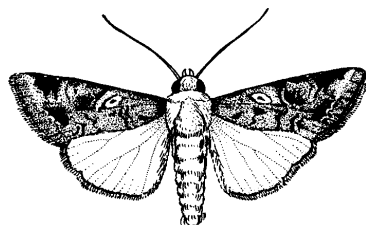
Valuable suggestions are also made for research to further improve engagement in developing natural crop protection practices for resource-poor and organic farmers.

The first edition of *Natural Crop Protection* was published in 1986 and has met wide acclaim. It has been translated into seven languages.

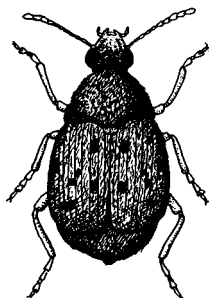
Turn over to learn more about the author and the book's contents.



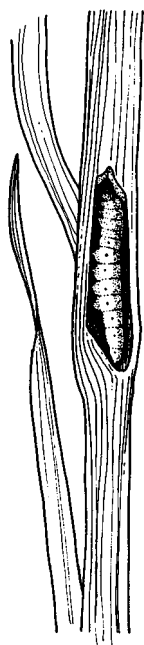
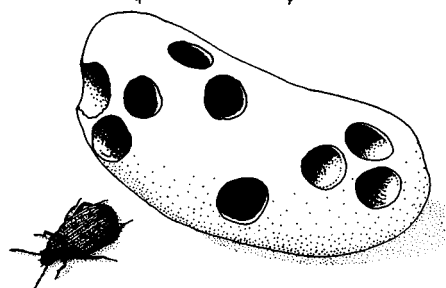
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African Armyworm  
*Spodoptera exempta*



Bean Bruchid  
*Acanthoscelides obtectus*



Purple Stalk Borer (larva)  
*Sesamia inferens*

## Contents

### **Preface, Foreword, Acknowledgements**

#### **Insect Pests in Field and Storage:**

Rice, maize, tubers, vegetables, fruit, cotton, storage

#### **Methods of Field Protection:**

Insects: Principles of preventive crop protection, Intercropping, Protecting seeds, Promoting natural enemies, Insect-controlling plants, Baits and traps, Other methods

Nematodes, Snails, Rats, Termites, Birds

Diseases and viruses

#### **Methods of Storage Protection:**

Principles of preventive storage protection, Insect-controlling plants, Inert dusts, Animal substances, Vegetable oils, Heat treatment, Other methods

#### **Letting Information Come to Life Through Farmer-Participatory Research:**

Learning and changing: Helping farmers move to natural pest control (by Catrin Meir)

The Mothers, Fathers and Midwives of Invention (by Jeffery Bentley)

Farmer Research on Natural Crop Protection (by Daniel Tiruchi)

Developing Use of Insect-Controlling Plants with Farmers in Thailand (by Gabriele Stoll)

The Zambesi Valley Organic Cotton Project (by Sam Page)

Potato Moth Control (*Symmetrischema tangolias* Gyen) with Local Plants in the Storage of Potatoes (by Norma Canales Rivera and Raúl Canto)

Development Process of a Small-Scale Neem-Processing Plant in Kenya (by Peter Förster)

We Too Are Proud to be Researchers

(by Martin Kimani, Nehemiah Mehindo and Stephanie Williamson)

#### **Appendix: Useful Homepages, Glossary of terms, References, Index**

### **About the author**

Gabriele Stoll is an agricultural biologist, currently working as rural development advisor at MISEREOR, a church-based development and funding organisation.

She worked from 1987 to 1990 in Thailand, pioneering farmer-participatory research on the development of the use of insect-controlling plants. From 1991 to 1993 she conducted her PhD research in the Philippines on the "Effectiveness of Plant-based Substances for the Integrated Control of the Diamondback Moth".

### **Intended Readership**

- Extension workers (NGO, GO), development organisations
- Agricultural training institutions
- Research institutions
- Entrepreneurs

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