



# CARBON AND WATER MANAGEMENT IN HORTICULTURAL EXPORTS FROM EAST AFRICA

8th and 9th December 2011  
NAIVASHA

## Hasit Shah – Coleacp Director



## 1. Thanks for

- ✓ the co organization (ITC-PIP-FPEAK)
- ✓ Participants
- ✓ PIP – COLEACP team

## 2. COLEACP association ?

- Producers/exporters/consultants ACP
- European importers
- ...



Who would have imagined 40 years ago that being able to provide [enough] food for everyone on this planet would be the wildest dream of the 21st Century? After travelling to the moon and back, after exploring Mars and the outer edges of our galaxy, after revolutionising life on earth, we now find ourselves asking how we can feed all human beings sustainably. All 7 billion of us, according to the latest statistics. How can we ensure that our children, grandchildren, and coming generations will have a future?

# 7 billion mouths to feed

The new challenge facing  
the horticultural sector  
in the South





## **PIP-COLEACP** from 2001 to 2014:

### **Matching with industry needs**

- **Pesticides mrls**
- **Food safety**
- **Food safety Standard certification**
- **Carbon footprint**
- **Ethical trade and more...**

➤ **Towards a sustainable horticulture**



## **PIP -coleacp new mission:**

***"Export sector having a positive impact for food security and food safety on production for local markets"***

***"Horticultural exports, a driving force in modernising food production in Africa."***



**Kenya as always been a pilot  
for COLEACP activities**

***And again, today we are paving  
the way for the ACP industry***



*Strategic partnerships with **Kenyan** stakeholders to organise, promote and support know-how "transfers" from export to local sector*







# How?

**Using tools developed by COLEACP  
for the export sector to support  
modernise the whole horticultural  
industry**



# COLEACP PIP Training Manuals



The image displays 11 individual training manual covers, each featuring a number in a white circle and a title. The covers are arranged in two rows: the first row contains covers 1 through 6, and the second row contains covers 7 through 11. Each cover includes a horizontal band of various fruits and vegetables at the bottom and logos for the European Union and PIP (Participatory Integrated Production) at the bottom left.

- 1** PRINCIPLES OF HYGIENE AND FOOD SAFETY MANAGEMENT
- 2** TRACEABILITY
- 3** RISK ANALYSIS AND CONTROL IN PRODUCTION
- 4** OPERATOR SAFETY AND GOOD CROP PROTECTION PRACTICES
- 5** REGULATIONS, NORMS AND PRIVATE STANDARDS
- 6** TECHNIQUES IN COMMUNICATION
- 7** FOUNDATIONS OF CROP PROTECTION
- 8** TECHNIQUES OF TRAINING
- 9** SUSTAINABLE AND RESPONSIBLE PRODUCTION
- 10** BIOLOGICAL CONTROL AND INTEGRATED CROP PROTECTION
- 11** ETHICAL PRODUCTION

**12** COLEACP PIP Training manuals

- 1 PRINCIPLES OF HYGIENE AND OF FOOD SAFETY MANAGEMENT
- 2 TRACEABILITY
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- 10 BIOLOGICAL CONTROL AND INTEGRATED CROP PROTECTION
- 11 ETHICAL PRODUCTION
- 12 ORGANIC FRUIT AND VEGETABLE PRODUCTION IN ACP COUNTRIES

# COLEACP PIP

## Research & Development



**PIP**

**GUIDE DE BONNES PRATIQUES PHYTOSANITAIRES**  
 POUR LES CANNES À SUCRE COMMOLES ISSUES DE LA PRODUCTION BIOLOGIQUE EN PAYS ACP

www.coleacp.org/PIP

**PIP**

**GUIDE DE BONNES PRATIQUES PHYTOSANITAIRES**  
 POUR LES LITCHES CULTIVÉS EN PAYS ACP

www.coleacp.org/PIP

**PIP**

**GUIDE DE BONNES PRATIQUES PHYTOSANITAIRES**  
 POUR LA CÉRAMIQUE CÉRAMIQUE ALUMINEUSE, LES LÉGUMES CROQUANTS ET LES FRUITS À COQUE

www.coleacp.org/PIP

**PIP**

**GUIDE DE BONNES PRATIQUES PHYTOSANITAIRES**  
 POUR LE GENIÈVRE, L'ANIS ET LES CIBOULES EN PAYS ACP

www.coleacp.org/PIP

**PIP**

**GUIDE DE BONNES PRATIQUES PHYTOSANITAIRES**  
 POUR LE GOUYAT (PERSIL AMÉRICAIN) ISSU DE L'AGRICULTURE BIOLOGIQUE EN PAYS ACP

www.coleacp.org/PIP

**PIP**

**ITINÉRAIRE TECHNIQUE**  
 MANGUE (MANGIFÈRE INDICA)

www.coleacp.org/PIP

**PIP**

**GUIDE DE BONNES PRATIQUES PHYTOSANITAIRES**  
 POUR LA PÂTE À PÂTE (SAUCISSE CAROTTE)

www.coleacp.org/PIP

**PIP**

**GUIDE DE BONNES PRATIQUES PHYTOSANITAIRES**  
 POUR LA MANGUE INAPRÊTÉE ISSU DE LA PRODUCTION BIOLOGIQUE

www.coleacp.org/PIP

**PIP**

**GUIDE DE BONNES PRATIQUES PHYTOSANITAIRES**  
 POUR LA BANANE TRINCAOPI - BANANE N. UN BANANIER BANANE TRINCAOPI - BANANE WILETTE, M. M. BANANE ET AUTRES BANANES CÔTES D'IVOIRE

www.coleacp.org/PIP

**PIP**

**GUIDE DE BONNES PRATIQUES PHYTOSANITAIRES**  
 POUR LA PRODUCTION DE MANIÈRE MANIÈRE (SALADE)

www.coleacp.org/PIP

**PIP**

**GUIDE DE BONNES PRATIQUES PHYTOSANITAIRES**  
 POUR LA CULTURE DES AUBERGES (SOLANUM MELLEODORUM) SOLANUM MELLEODORUM - SOLANUM MELLEODORUM

www.coleacp.org/PIP

**PIP**

**ITINÉRAIRE TECHNIQUE**  
 COMBÉ (LANTANES) ET FICUS (FICUS)

www.coleacp.org/PIP



PIP is supporting improved production technologies:  
Integrated Crop Management, Integrated Pest  
Management, organic farming, safe use of pesticides

PIP is enabling Good Agricultural Practices based on  
specific crop protocols & a training system tailored to  
small-scale producers



And without right

**CARBON AND WATER  
MANAGEMENT**

**No sustainable horticulture!**



# Have a good and fruit full workshop

**CARBON AND WATER  
MANAGEMENT**