CHAPTER XI QUINUA: Post-harvest Op...

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Welcome to the Post-harvest Operations Compendium!

Through the years people around the world, particularly farmers in rural areas, have created and developed techniques for preventing food losses and consequently having adequate food supplies. Researchers from research centres and universities have improved a number of these techniques and procedures. FAO has provided support to the prevention of food losses in developing countries over many years.

Post-harvest technology is as important as production technology, since it helps to avoid or reduce losses of crops produced. There are some post-harvest technologies, which should be disseminated globally in order to increase food security, particularly in developing countries.

One important element of the Information Network on Post-harvest Operations (INPhO) is the Post-harvest-Compendium. The Post-harvest-Compendium describes issues of paramount importance to post-harvest operations or post-production activities for staple foods and edible crops.

The Post-harvest-Compendium is designed to be used through the Internet: to provide technical and updated information about how, when and what is done after production of the crops in different communities around the world. It also provides information on other aspects associated with post-

harvest activities. These include crop and family labour, tools and basic equipment involved in production and postproduction, main causes of losses, pest control, socio-economic issues, gender issues, commercialisation, nutritional value, processing techniques, by-products, product quality and so forth.

Development of the Post-harvest-Compendium has been initiated. Several chapters related to specific crops and specific post-harvest information are currently in preparation by crops expert under the supervision of recognised institutions such as IRRI, CIAT, INDDA, APCC, and others.

This information will provide global support to post-harvest activities, and will improve food security in the future.

Any comments, suggestions, or recommendations relevant to the Post-harvest-Compendium are welcome.

Post-harvest Management Group AGSI-FAO-Rome October 1999

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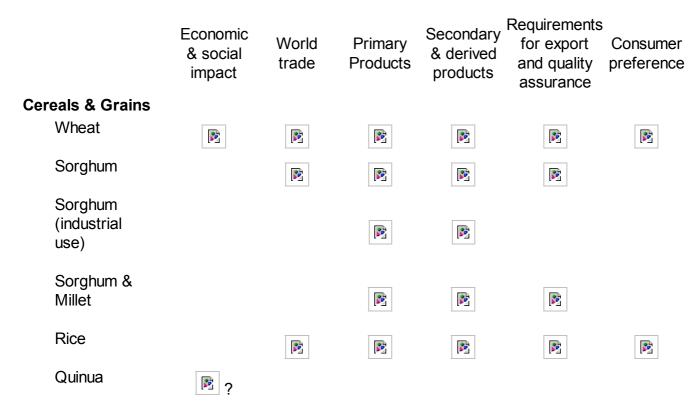
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Introduction



Fruits & Vegetables

Plantain (case

(case study)

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3

Banana plantain

\$

3

3

3

Oilseeds

Coconut

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5

Roots & Tubers

Cassava

5

36

3

3

Leguminoses

Phaeseolus Beans

3

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3

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Post-production Operations

Preharvest Harvesting Transport Threshing Drying Cleaning **Packaging Storage** operations

Cereals & Grains Wheat 8 8 8 5 8 Ş. Sorghum 80 80 80 \$ 30 \$ 30 Sorghum (industrial 8 \$ 80 \$ 30 \$2 use)

Sorghum & Millet

Rice

Quinua ?

Fruits & Vegetables

Plantain (case study)

Banana plantain





30



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Oilseeds

Coconut





Roots & Tubers

Cassava









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Leguminoses

Phaeseolus Beans

















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Pest Control

Pest species Relative status of major pest

Pest control

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Cereals & Grains

Wheat

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Sorghum



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Sorghum (industrial use)

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Economic & social considerations

	Overview of costs and losses	Major problems	Proposed improvements	other
Cereals & Grains Wheat				
Sorghum				
Sorghum (industrial use)				
Sorghum & Millet				
Rice				
Quinua				

Fruits & Vegetables

Plantain (case

study)

Banana

plantain

Oilseeds

Coconut

Roots & Tubers

Cassava

Leguminoses

Phaeseolus

Beans







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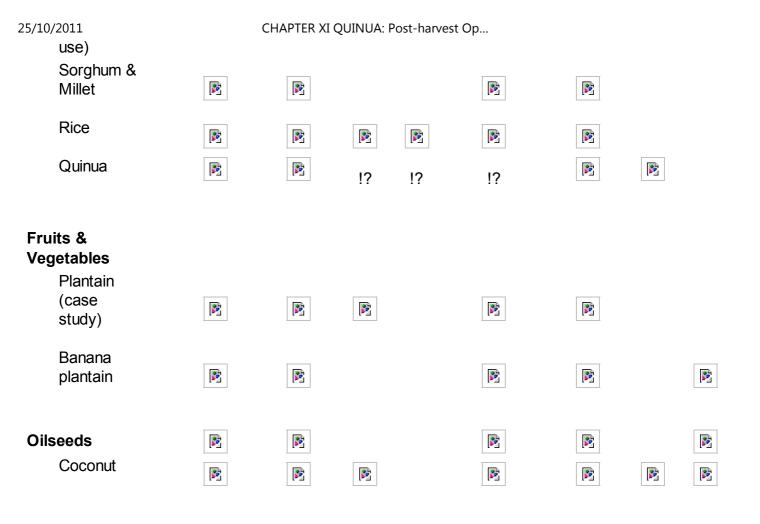
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Roots & Tubers

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Leguminoses

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Major insect Introduction pests of stored

foods

Introduction vertebrate pests

Major

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<u>Indicators of Management of</u> pest

infestation

rodent populations

Control

Methods

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Vertebrates

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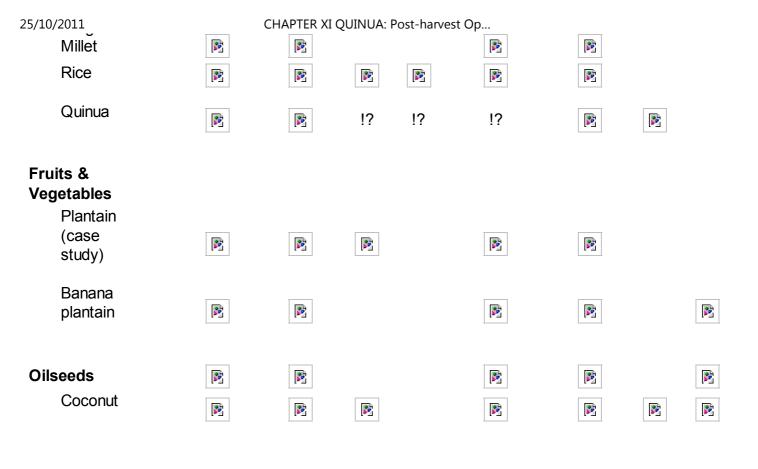
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Sorghum &



Roots & Tubers

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Leguminoses

Phaeseolus Beans

Vertebrates















Pests

Insects Major insect Introduction pests of stored

<u>foods</u>

<u>Major</u>

Indicators of Management of

Introduction vertebrate pests

<u>pest</u> nfestation rodent

Control

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of stored foods infestation populations

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