


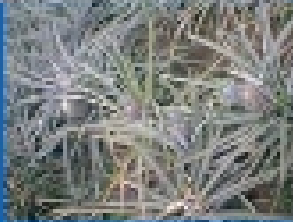
## Reading

- See Home page under References
- The CIAT Tropical Fruits Program  
– James Cock

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## Immense Diversity

- Americas
  - 100 commonly found in markets
  - More than 1,000
- Southeast Asia
  - About 500
- Indian Subcontinent
  - 300 species
- Africa
  - 1,200 edible fruits

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## A Few Species Dominate the Market

- 89% of the market
  - Citrus
  - Bananas and plantains
  - Mangoes
  - Pineapple
- 5% of the market
  - Papayas
  - Avocados
  - Dates

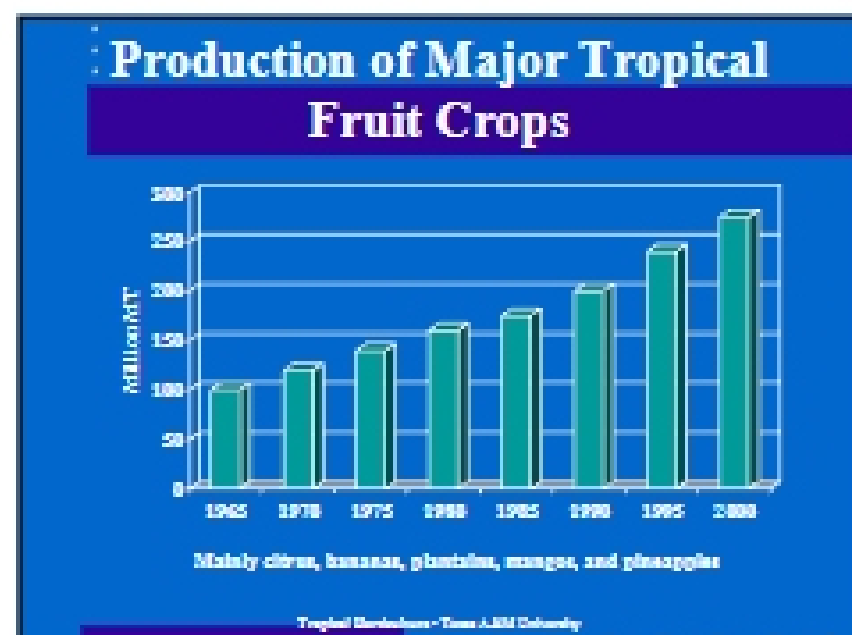


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## Other 6% of the Market

• Breadfruit	• Mombin
• Carimbola	• Jackfruit
• Cherimoya	• Longan
• Custard apple	• Mammeo
• Durian	• Mangosteen
• Feijoa	• Naranjilla
• Guava	• Passion fruit
• Hog plum	• Rambutan
• Mamsey colorado	• Sapote
• Sapodilla	• Caxinito
• Star apple	• Tree tomato

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## Trends

- Production of tropical fruits is increasing
- Variety of tropical fruits available in produce markets of temperate regions is increasing
- Per capita consumption in world has increased 1/3 over 20 years
  - Increased awareness of health benefits
  - Increased demand for exotic fruits in temperate regions

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## Tropical Fruit Production

- Most (96%) consumed locally
- Most are highly perishable
- Rapid increase in consumption of processed fruit
  - Juices
  - Flavored milk products
  - Frozen pulp

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## Tropical Fruit Production

- Labor intensive
- High value crops
  - Average value per ton of \$870
  - Average yield per ha of 10 tons
  - Potential value of almost \$9,000
  - Compare with 2 crops of rice or maize with a value of \$2,000 per ha

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## Tropical Fruit Production

- Perennial Crops
  - Adaptable to sustainable management systems in hilly ecosystems
- Potential for facilitating rural economic development

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## Fruit Production

- Major Tropical Fruits and Nuts (excluding citrus)
  - Bananas and Plantains
  - Pineapple
  - Mango
  - Papayas
  - Avocado
  - Cashew
- Many Minor Fruit and Nut Crops

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## Tropical Fruit Production

Crop	Production (1000s mt)
Banana	72,167
Plantains	25,309
Pineapple	15,422
Mangoes	28,730
Papaya	5,878
Avocado	2,455

FAOSTAT database, 2000-2002  
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## Temperate Fruit Production

Crop	Production (1000s mt)
Grape	62,000
Apple	58,000
Pear	16,860
Peach	13,496
Plum	9,227

FAOSTAT database, 1989-2002  
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## Nut Production

FAOSTAT database, 1989-2004; Quilich and Wills, 2001

Crop	Production (1000s mt)	
	1989-1994	2000-2004
Almond	1,841	1,538
Walnut	826	1,345
Brazil nut	52	72
Cashew	148	598
Macadamia	77	23

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## Question Questions??



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