

- Home garden definition
- Products
- Crop-tree-animal unit management

What do you want to have in your own backyard?

Why do you want it there?

How did you plant it?

Location of home gardens

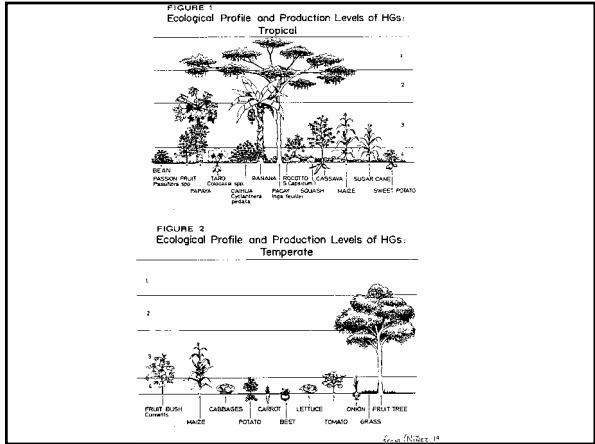
Size of home gardens

What do you want to have in your own backyard?

Why do you want it there?

How did you plant it?

Home gardens are expressions of cultural values and individual needs and preferences



Structure of tropical home gardens

3-5 vertical layers: herbs, shrubs, small trees, large trees...

(Type of agroforestry systems)

1st herbaceous layer:

2nd layer:

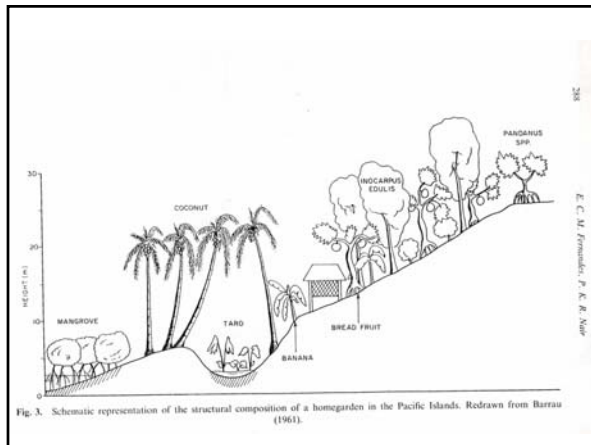
3rd layer:

4th layer:

Composition of home gardens

Influenced by culture, environment, socioeconomic factors as well as by individual preferences and needs

•Food



Some common Pacific Island home garden plants

- Taro (*Collocasia esculenta*)
- Yams (*Dioscorea spp.*)
- Sweet potatoes (*Ipomea spp.*)
- Bananas (*Musa spp.*)
- Cassava (*Manihot esculenta*)
- Sugarcane (*Saccharum edule*)
- Polynesian plum (*Spondias dulcis*)
- Tamarind (*Tamarindus indicus*)
- Guava (*Psidium guava*)
- Coconut (*Cocos nucifera*)

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- Food
- Medicine

Composition of home gardens

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- Food
- Medicine
- Ornamentals

Composition of home gardens

Influenced by culture, environment, socioeconomic factors as well as by individual preferences and needs

Food: plants and animals (majority)

Medicine

Fiber

Fuelwood

Ornamentals

Animals: fish, chicken, ducks, pigs..

→ Multiple uses

→ WIDE variety of species and cultivars

Composition of home gardens

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Food: plants and animals (majority)

Medicine

Ornamentals

Fiber

Fuelwood

Animals: fish, chicken, ducks, pigs..

Composition of home gardens

Influenced by culture, environment, socioeconomic factors as well as by individual preferences and needs

1. Differences between and within regions

Ex. Trees in Asian versus African homegardens

Ex. Sundanese vs Javanese homegardens

Some common Hawaiian home garden plants

- Ti
- Kukui
- Red ginger, white ginger
- Puakenikeni
- Bananas
- Mango
- Papaya
- Plumeria
- Bamboo
- 'Ulu
- Mountain apple ('ohi'a 'ai)



Composition of home gardens

Influenced by culture, environment, socioeconomic factors as well as by individual preferences and needs

1. Differences between and within regions

2. Composition may change over time

Ex. Cash crops

Ex. Introduced species, invasive species

Some characteristics of home gardens

•**Productivity:**

•**Stability:**

•**Sustainability:**

Key concepts

- Home gardens are expressions of cultural values and individual needs and preferences.
- A wide range of plants (with a wide range of uses) are grown in home gardens and home garden composition varies with cultural, socioeconomic and environmental factors.
- Home gardens are governed by ecological, economic and agricultural processes.
- Today home gardens may play important roles in household nutrition and health; livelihoods (through cash income); conservation and other roles

Functional significance

1. Cultural context
2. Urban vs rural
3. Transplanted cultures

STUDY GUIDE QUESTIONS

- In what ways are home gardens expressions of cultural values? Of individual needs and preferences?
- What kind of structure do tropical home gardens typically have? What functions? What is the primary function of HG across the world?
- Name a common home garden plant in Hawaii that has multiple uses and list the uses.
- What are some similarities and differences in home gardens across and within regions?
- Explain why homegardens can be considered both socioeconomic and ecological systems
- What kinds of cultural significance can home gardens hold? What about for transplanted cultures? For urban populations?
- What Hawaiian garden did Nalani Olds talk about and what was its significance?

Functional significance

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2. Urban vs rural
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