

# An intensive workshop in vegetative propagation of trees



PHOTOS: R. LEAKEY

## Vegetative propagation of native Hawaiian and fruit trees for domestication and commercial purposes

WORKSHOP 1:  
SATURDAY, MAY 20, 2006  
9 AM–3 PM  
Full as of May 17, 2006  
WORKSHOP 2:  
SUNDAY, MAY 21, 2006  
9 AM–12 NOON  
KEALAKEKUA, KONA, HAWAII

**Propagation by vegetative means** is often the best way to preserve selected traits in trees. When seeds are in short supply or unavailable, vegetative propagation may be the only means available. This workshop presents the latest information about propagating trees from leafy stem cuttings, and presents techniques that can be applied to nearly any tropical tree. Low-tech approaches will be highlighted. The workshop is suitable for nursery professionals, farmers, foresters, conservationists, gardeners—anyone interested in tree propagation. Don't miss this unique opportunity.



Amy B. H.  
Greenwell  
Ethnobotanical  
Garden

### PROGRAM HIGHLIGHTS

The workshop will cover the principles of propagation of leafy stem cuttings:

- techniques for propagating any tropical tree vegetatively
- how to select the best cutting material
- establishing and managing stockplants for vegetative reproduction
- improving success rates
- optimizing the environment in the propagation unit
- an effective and low-tech approach to vegetative propagation.

The workshop will examine genetic variation in rooting ability, phase change, the apparent absence of principles determining rooting success, and how to assess rooting ability. The workshop will examine the application of vegetative propagation in tree domestication and genetic improvement. Participants will get hands-on experience in techniques presented during the workshop.

### PRESENTER

Dr. Roger Leakey is Professor of Agroecology and Sustainable Development, School of Tropical Biology, James Cook University, Cairns, Queensland, Australia. He specializes in tree improvement and domestication to enhance rural livelihoods, and has made a detailed study of the factors affecting rooting in leafy stem cuttings of tropical trees. He has also undertaken projects with practical applications in vegetative propagation, genetic improvement of tropical trees, and tree domestication in the Pacific islands, Africa, Southeast Asia, and Central America.

### REGISTRATION

See registration form on next page or contact:

Craig Elevitch  
Permanent Agriculture Resources  
PO Box 428  
Hōlualoa, Hawai'i 96725 USA  
Tel: 808-324-4427; Fax: -4129; Cell: 808-990-4859  
E-mail: [par@agroforestry.net](mailto:par@agroforestry.net)  
Web: <http://www.agroforestry.net>

# Vegetative propagation of native Hawaiian and fruit trees for domestication and commercial purposes

**Workshop 1 date and time:** Saturday, May 20, 2006, 9 am–3 pm **Full as of March 28**

**Workshop 2 date and time:** Sunday, May 21, 2006, 9 am–12 noon

**Location:** Amy B. H. Greenwell Ethnobotanical Gardens, Kealahou, Kona, Hawai'i

## Registration form

Space is limited, so please register early.

Name(s) \_\_\_\_\_

Organization \_\_\_\_\_

Mailing address \_\_\_\_\_

City, State, Zip \_\_\_\_\_

Telephone \_\_\_\_\_ Fax \_\_\_\_\_ Pager/Cell \_\_\_\_\_

E-mail (Please print clearly) \_\_\_\_\_

To help us tailor the workshop to your needs, please answer the following:

Please describe your propagation experience: \_\_\_\_\_

Please describe what you wish to learn from this workshop: \_\_\_\_\_

Registration fee: Workshop 1: \$50 per person, including box lunch. Workshop 2: \$25 per person. Fee is non-refundable for cancellations after Friday, May 5, 2006. Confirmation of registration, and other details will be sent to registrants by email.

Registration for \_\_\_\_\_ person(s) Workshop 1 @\$50 each **Full as of March 28** \$ \_\_\_\_\_

Registration for \_\_\_\_\_ person(s) Workshop 2 @\$25 each \$ \_\_\_\_\_

Total \$ \_\_\_\_\_

Please make check or money order payable to "Permanent Agriculture Resources," or pay by Visa, Mastercard, or American Express:

Name on card \_\_\_\_\_

Card number \_\_\_\_\_ Expiration date \_\_\_\_\_

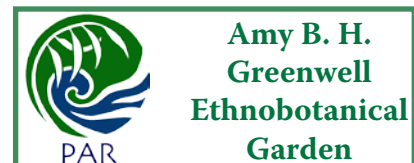
Amount to charge on card \_\_\_\_\_

Signature \_\_\_\_\_

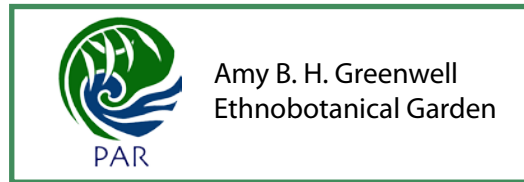
Contact Craig Elevitch at cre@agroforestry.net or 808-324-4427 for further information.

Print this page, fill it in, and return with registration fee to:

Permanent Agriculture Resources  
PO Box 428  
Holualoa, HI 96725  
Tel: 808-324-4427; Fax: 808-324-4129  
E-mail: par@agroforestry.net



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**Workshop 2 date and time:** Sunday, May 21, 2006, 9 am–12 noon

## Workshop agendas

### Workshop 1, Saturday, May 20

8:30–9:00	Registration
9:00–12:00	Theory and practice of vegetative propagation and tree domestication, Roger R. B. Leakey
12:00–12:40	Lunch, networking
12:40–1:00	Amy Greenwell Ethnobotanical Garden history and propagation facilities, Noa Lincoln and Bryan Kiyabu
1:00–2:00	Hands-on training with Roger R. B. Leakey: seedlings, media, stockplant management, building and filling a poly-propagator, selecting cuttings walk & talk, growth hormones
2:00–3:00	Open question and answer session, Roger R. B. Leakey

### Workshop 2, Sunday, May 21

8:30–9:00	Registration
9:00–10:30	Theory and practice of vegetative propagation and tree domestication, Roger R. B. Leakey
10:30–11:30	Hands-on training with Roger R. B. Leakey: seedlings, media, stockplant management, building and filling a poly-propagator, selecting cuttings walk & talk, growth hormones
11:30–onward	Open question and answer session, Roger R. B. Leakey