

Introduction to the ECHO Asia Regional Impact Center and Its Services

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USAID
FROM THE AMERICAN PEOPLE

HORTICULTURE
INNOVATION LAB

UC DAVIS
UNIVERSITY OF CALIFORNIA



ECHO's Offices



ECHO's Mission is to equip workers with resources and skills to reduce hunger and improve the lives of the poor

Our Focus Area



- National Capital
- Major Cities

Azimuthal Equal-Area Projection

0 800 Kilometer
0 800 Miles

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We work through our network partners. Our goal: to empower our **network members to advance food security and sustainable livelihoods among the poor**



A Few Areas in Which ECHO Works

- Sustainable Agriculture
- Community Development
- Water and sanitation
- Urban and Community Gardening
- Alternative and Renewable Energy
- Appropriate Technology
- Participatory Approaches
- Seed Saving and Banking
- Creation Care and the Environment

ECHO Asia Partners

International relief and development NGOs, government agents, academics, and agricultural missionaries



ECHO Asia Partners Regional NGOs



MBC Christian Social Service Development Department
Myanmar



Pun Pun Farm - Thailand



Wholistic Development Organization - Cambodia



NEICORD - India

ECHO Asia Partners

Regional governmental organizations, universities
and other institutions



Representatives of Vietnam's Thai
Nguyen University



MOU signing between ECHO Asia
Regional Office and Mae Jo University

ECHO Asia Partners

Regional farmers: our innovators and teachers



ECHO Asia Services

Dear friends:

Where can I obtain a local bamboo that's called mai ruak?

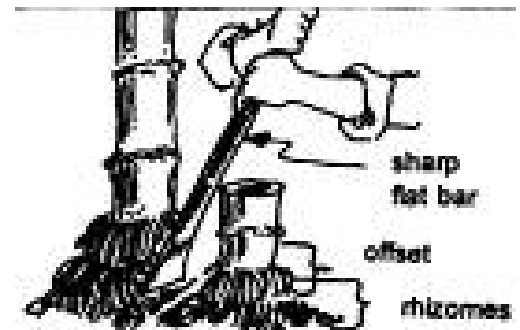
Phil

Dear Phil,

The mai ruak (or mai huak) you're referring to, *Thyrsostachys siamensis*, also known as umbrella bamboo, is very common. It's found planted all over the countryside for pole production. It's also pretty easy to establish (I believe by removing and planting offsets from the main clump - see image below). I've heard local farmers say that best time to often remove and plant offsets is late dry season (April).

Whether transplanted to plant beds, large seedling bags or directly into the field, the offsets will need to be well watered until the offset begins producing shoots and develop viable root systems to support the plants.

I hope this helps!



Technical Services

ECHO Asia Services

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ECHO community

Resources: By Region Plants & Seeds By Technology or Technique By Publication Education & Events Research

English | Change Language


Blog Update: ECHO Research

The ECHO Research blog highlights ongoing research done by ECHO and network members around the world. Subscribe to the blog to stay up-to-date on new and interesting discoveries. This week, Dr. Motis writes about lessons learned in: Weed Suppression Options---Legumes and Guinea Hogs

[More Information](#)

ECHOcommunity Updates

ECHO Development Notes #126 Now Available 2015-02-04



Excerpt: **Bicycle Pump Vacuum Sealer for Seed Storage**

Storing seeds in the tropics can often be difficult; with high temperatures and humid conditions, seeds lose their ability to germinate quickly. Many techniques for seed storage exist, from the high-tech standards of gene banks to simple methods used by villagers for saving their own seeds. All have their strengths and weaknesses, but when balancing costs and resources, which methods are really the most effective? This article highlights research conducted by ECHO Asia regarding the use of vacuum sealing, using a simple bicycle tire pump, for tropical seed storage under resource-constrained settings.

The three key factors that determine the rate of seed deterioration in storage are: oxygen pressure (amount of oxygen with the seeds in storage), seed moisture content, and temperature (Roberts, 1973). An increase in any of these factors will lower the storage life of the seeds, and as a general rule any increase of 1% moisture content or 10°F (5.6°C) in storage will halve the storage life of the seeds.

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CALENDAR [MORE]

2015-03-03 » 2015-03-06
ECHO Asia Indonesia Sustainable Agriculture Workshop

2015-03-08 » 2015-03-14
Training Seminar in Natural Medicine

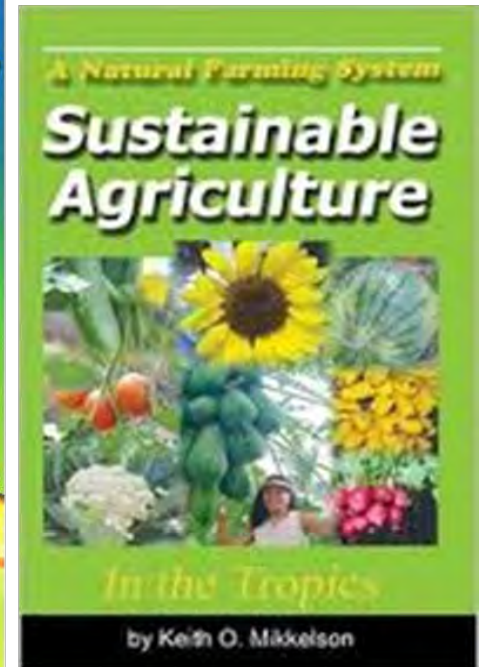
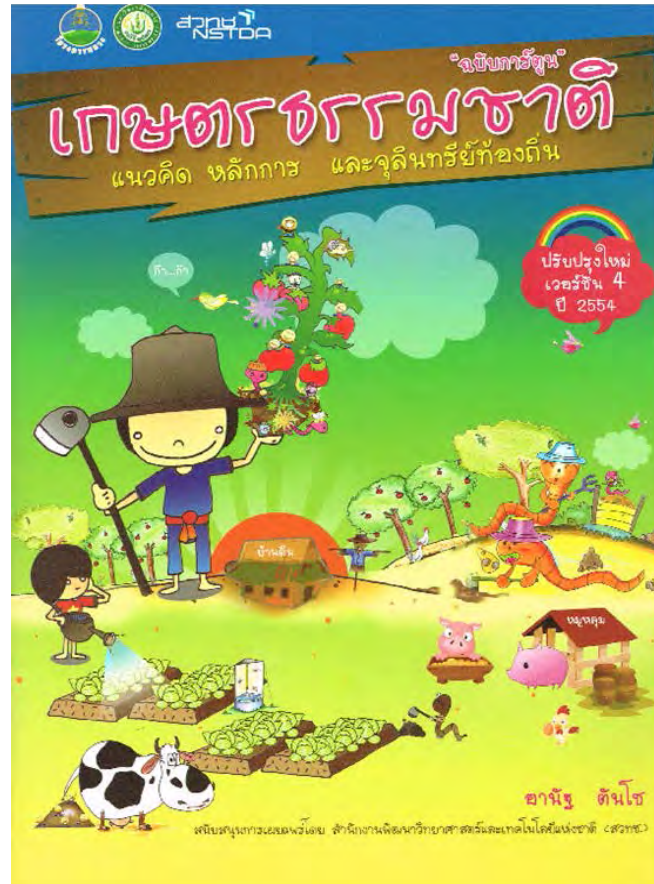
2015-03-23 » 2015-03-27
ECHO West Africa Anglophone Forum 2015

2015-04-19 » 2015-05-02
Permaculture Design Certification Course

www.ECHOcommunity.org

ECHO Asia Services

Assistance in Accessing Needed Technical Resources



ECHO Asia Services

Educational and Networking Events



Local workshop

2009, 2011, 2013, 2015
ECHO Asia

Agriculture and Community
Development Conference

**Next Conference: October
2017, Chiang Mai**



ECHO Asia Services

Regional Seed Exchange Events



ECHO Asia Services

Professional **Consulting, Evaluating and tour studying** for
Regional NGOs and Missions Organizations



ECHO Asia Services



**Seed
Bank-
Now
offering
111
varieties**



ECHO Asia Services



**Internships and
Volunteer Positions for
local, regional and
Westerners**



Regional Researches

- **Appropriate Seed Saving Technologies**
- **MEAS SFRC Case Study7 Farms in SE Asia**
- **Insect Control in Stored Seeds**
- **Cultivation of Edible Ferns**
- **Biochar**



Take-Away Message

- Membership is Free! Get connected to 1800+ other members working in the area
- Sign up as “Development Worker” on **www.echocommunity.org**
- Elect to receive ECHO Asia Notes (English and/or Burmese) and ECHO Asia News
- Receive 10 free packets of seeds/year
- **abicksler@echonet.org**
- **echoasia@echonet.org**

