Introduction to the ECHO Asia Regional Impact Center and Its Services

Boonsong Thansrithong Agriculture Program Manager





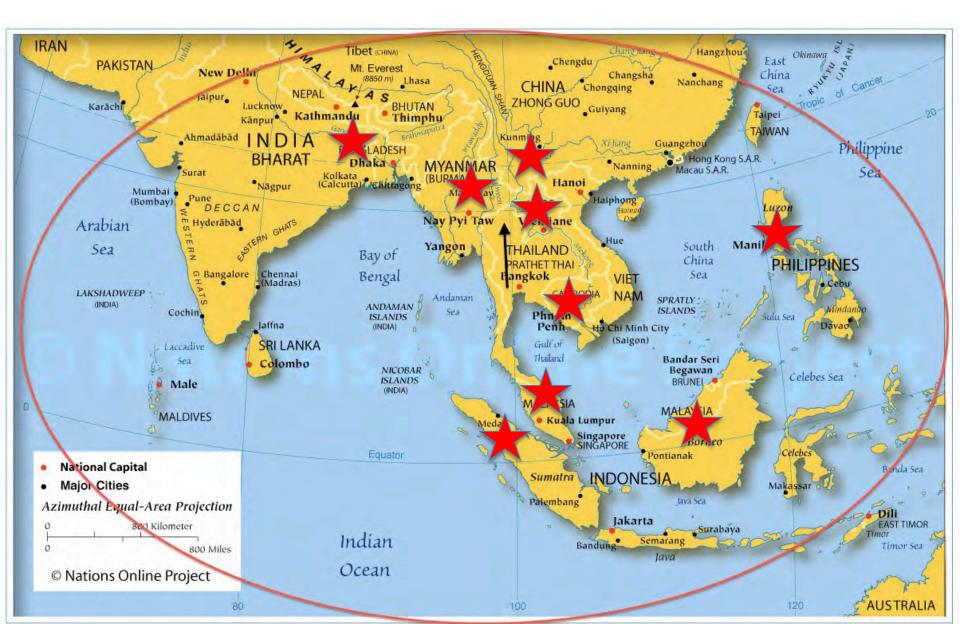


ECHO's Offices

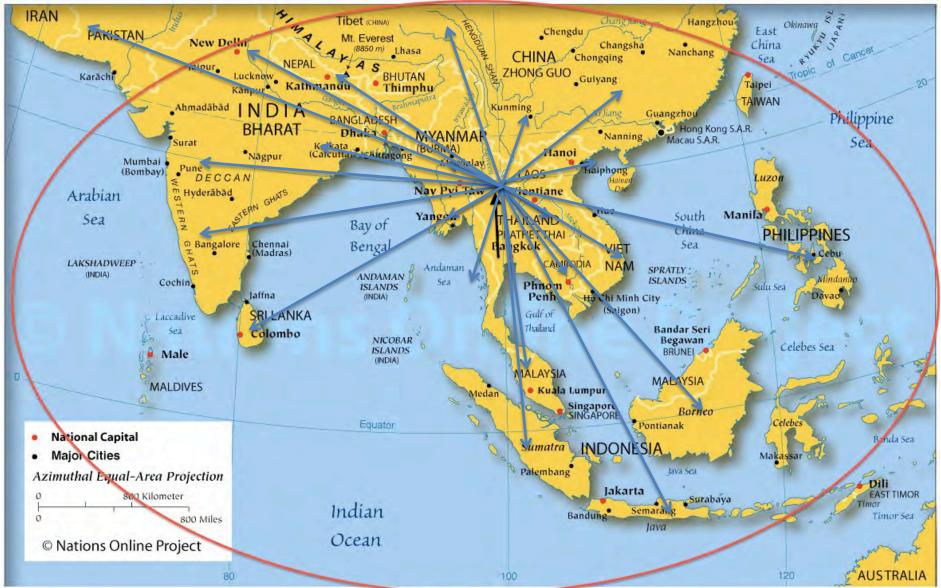


ECHO's Mission is to equip workers with resources and skills to reduce hunger and improve the lives of the poor

Our Focus Area



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



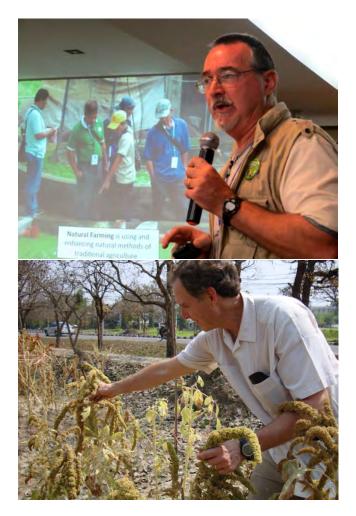
A Few Areas in Which ECHO Works

- 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



Wholistic Development Organization - Cambodia



Pun Pun Farm - Thailand



NEICORD - India

ECHO Asia Partners

Regional governmental organizations, universities and other institutions



VERSITY

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













Dear friends:

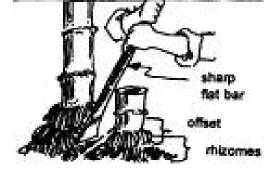
Where can I obtain a local bamboo that's called mai ruak?

Phil

Dear Phil,

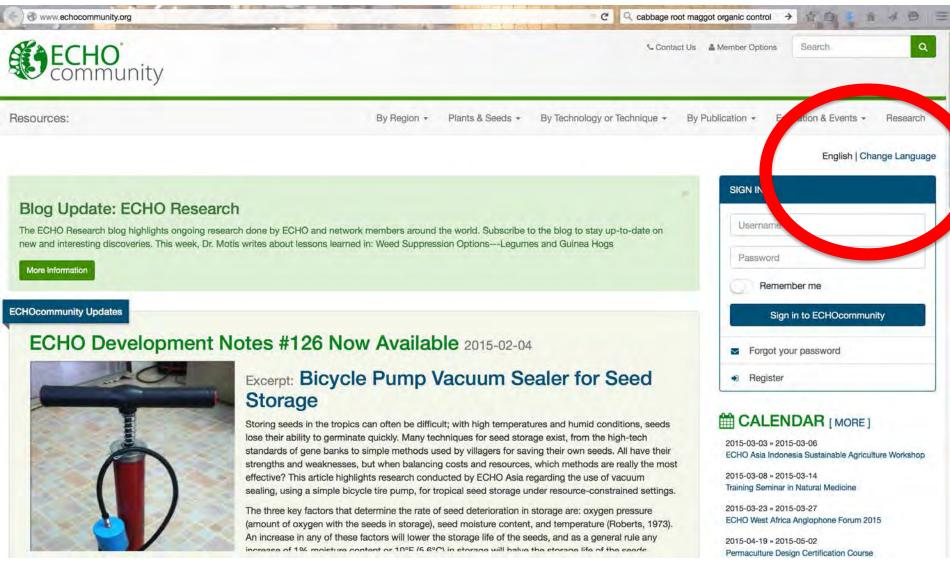
The mai ruak (or mai huak) you're referring to, *Thyrsostachys siamensis*, also known as umbrella bamboo, is very common. It's found planted all over the countryside for pole production. It's also pretty easy to establish (I believe by removing and planting offsets from the main clump - see image below). 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



www.ECHOcommunity.org

บทเรื่อผลากการแพว่ขอามระบบการผลิสข้าวแบบ เอก อาร์ ใจธรรมที่ผประเททกัมพูขา

โกยอีก มาร์ มัด ผู้สำนาทยาร์ สำนักหมะ มาร์ มาการที่ม

การกระ 8000 มีคนเลองสายและทร้าง บารจะไม่ไป เพราะวิทยารแนะโรการกระการนั้น และมีอภัย เวลา คราวิท อาหวัดการอยู่ในมาการจังนิยากกระดังประกูกกระมีหม่ายระเบ การศักดิ์การมาย และ กรุโน หนึ่งการแปลูกที่กลั่งเสร็จ รั้นสีวิทยารจังหวัดไปนี้

- โอปฐารอินในโปรงจาในเอานอาณาซึ่งปลิโปรงอาประกาณ 9 15 ใน.
- โกรรักษ์เพียงในให้โยการจุก
- · Ine antislafinda bleit mma
- รักษาสารพรรณชุลขึ้นโครไม่ได้สืบให้เป็นประเทศ
 การหนึ่งสีระดัง หรือสีระดาจากหุน
- หนาดูเคราม การครางการนะ
 ห้ปูงวันเริ่มของการและ

สารรับสารประวาทวิจารที่อาร์กรรมสาราสตรรณสารารไร (นอกภาพรับและเพียงได้ ในวิจา โลว์มีสี่ว่า เหมาะ

an 199 mäinteen epimaaast oli la kääränan vanänan landisen 110,00 mmä 129,10 lajka 240,00 armit 10,27,00 laikuutsina maa alematuutsina taisinteen 1900

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ในหมู่ประเทศที่สามมาแล้งที่ตั้น ไปจะเหล่ามูกที่มีประจำสารในเหลือไหกเป็นไหว ไป "มาได้ แก่ได้ไหร่างรายการ การสำหรับ<u>ประเทศไป และการสำหรับสามมาและสำคัญ และสำคัญ การสารการแรก ไม่ ได้แต่ ประเทศไทร่าง สำหรับสามมาให้ และ ประเทศไป และการให้มี และ ประ</u>

ECHO Asia Notes, Issue 4 January 2010



အံသြဘူယ်ရာကောက်ရိုး၏အကိုးသက်ရောက်မှု – သီးနံမှ ကြွင်းကျန်သောပစ္စည်း များကိုပြန် လည် အသုံးပြုခြင်းဖြင့် မြေသြဇာကို ဂိုမိုကောင်းမွန်ဖေခြင်း

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వబ్రస్ట్రీర్రాహ్ Highed Scherne 2025 DED వర్షులోయిన్నివార్నివర్స్ క్రిమించ్ స్టార్లను చేసునాన్నిశ్రీంధార్యమువాన్యారపడి స్నోయికానుడు ఉండందిన్నారు. చార్యశ్రీర (CEMA) INIS/INIS/ALT విద్యుత్తున్ని స్టార్ స్టార్ స్టార్ స్టార్ స్టార్ స్టార్ స్టార్ స్టార్ స్టార్ ఫ్టాన్ వృద్రిస్పువున్నాన్ని సరిపోవారిపున్ని స్టార్ స్టార్ స్టార్ స్టార్ ప్రామాన్లో స్టార్ స్టార్ ఫోన్ ఫ్రీటార్లులో స్టార్ స్ట్రీర్ స్టార్ స్టోరాన్ ఉండించిన్న ప్రామాని స్టార్ ప్రామాన్లో స్టార్ స్టార్ స్టార్ స్ స్టార్ స్ట్రీర్ స్టార్లు ప్రామాని స్టారాన్ స్టార్లు స్టోరాన్ ఉండిని స్టార్ స్టార్ స్టార్ స్ట్రీర్ స్టార్ స్టార్ స్టార్ స్ట్రీర్ స్టార్లు ప్రామాని స్టారాన్ ఉండిని స్టారాన్ స్టార్లు స్ట్రీర్ స్టార్ స్ట్రీలో స్ట్రీర్ స్టార్లు స్టార్లా స్ట్రీర్ స్టార్ల్ స్టార్ల్ స్టార్లాన్ స్టారాన్ ఉండి స్టార్లు స్ట్రీర్ స్ట్రీల్ స్ట్రీర్ స్టార్లు స్ట్రి

బుల్హూర్లో అంజంచర్ కోటర్ఫోల్ కోరి త్రోర్ ఫోర్ లు గుర్తి (జలానరిధానా- pag) (Phillippin Asticulare Manik) బ్రాధ్ పరిజంపినివర్లు Walifed మన్రీ విధిత్త నిత్తిందినదిన వివిష్ణ స్టోర్ ప్రాధించిని (ECHO) బాస్కరికో ట్రార్ ఫోర్ ప్రాథి కోరి ప్రాథానికి ప్రాధి ప్రాథికు ప్రాథాని ప్రాథాని ప్రాథికు ప్రాథికు ప్రాథాన కోడుకో జార్కి మారుధాని స్ట్రుల్లో దేవు మార్ట్ ప్రాథికి ప్రాథాని ప్రాథాని ప్రాథాని ప్రాథాని ప్రాథాని ప్రాథానికి

သီးနံမှ ကြင်းကျွန် သော စွန့်ပစ်ပစ္စည်းများကို မြန်လည်အသုံးမြင်းဖြင့် မြေဆီလွှာကိုပိုခိုကောင်းဖွန် လာ မေခြင်း၊



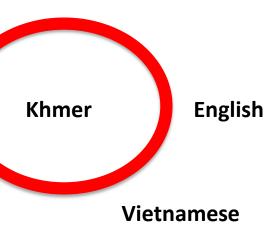
ကောက်ရှိသည်တန်စိုးရှိပါသလာ။ လယ် သမား အများစုအတွက် မှာမှုတန်စိုကြီး ဖစ္စည်း ဟု မမြင်ကြပါ။ အားရှကိုက်ရှိအရာ ဒေသ အများ အမြားတွင်ခေါ်သိမ်ရှိခံ၍ ကောက်စို၊ များကို စီးရှိ ကြ သည် ကို စတ္တရှိရ ပါသည်။ သို့းယာ် လယ် သမားအ ဘော်များ

Thai

Burmese

Mandarin

Bahasa Indonesian



ธารีเหสู้พลีสุดสุขเลวิชูเอพ สุขา ลิยริส เอาชา กี ประสาร อายากวิชาณ์แลกูเขาสินชสัตร์

ពីបទ់វិញក្តីអាកឡិសានរបស់ប្រទេសក្តមាគីជា កន្លែងសេខារបស់ជាពិសាសន៍ ពួហ្ស៊ី, សាន, អាខា, ធាំឡាំង និងក្រុមជាតិសាសន៍ផ្សេងាទៀត។ លាដ្ឋាភានតាសម្តន្តិដែលបញ្ជើឲ្យរដ្ឋសាន ទេវតែមានក៏តិនៅឡើយ ជាមួយផ្លូវប្រាល់មួមានមិនឲ្យច័ន និងក្រាន់តែអាចឲ្យប្រជាជនរដ្ឋសាទមួយចំនួនតួច បានឲ្យប៊ីប្រស់បណ្តាញ អភិសន៍ប៉ូណ្ណាះ។

ក្រល័រណជា ១០ ឆ្នាំមុន ស្មេញមកពី ក្រលេសចិន បានបណ្តាក់ទុនលើការបង្កើតារើរករុះ សនីមុនតួចឡើង សំរាប់បំពាញការផ្ទះទាត់នៃការ ឆ្កត់ផ្គន់ជាមកលេរាឆ្កឹសនី ។ ម៉ាស៊ីនាំដលេធ្វើនៅ ចិនមានចំណុះក្រុមណេដា ២០ លីត្រជាធម្មតា អាចផលិតថាមកលេរាឆកី ១ ទៅ ៣ កីឡាំវាត់ លើធម្មវ័ដលេជំរាងតាគាចផលិតបាន ៩ កីឡាំវាត់



ប្តក៏ល្រីនជានល្អីន ។ ទោះជាថាមការស្ត្រិតក្នុងកើតនេះមិនគ្រប់គ្នាន់ ដើម្បីផ្លត់ផ្លងដល់ប្រដាប់ប្រើក្រាស់ក្នុង ខ្លួនទូតេវ៉ា (ឧ) សូទិកកក ម៉ាស៊ីនលាកនារាវាវា ក៏ដោយ ក៏វាអាចធ្វើពួនបាលណ៍មួយថ្ងៃនដំណើរការបទដែរ ដូចជា រ៉ាំពូលឡើន, កណ្ណារ, សូទស្សន៍ និងវិទ្យុ ។

ម៉ាស៊ីនទាំងនេះមានតំណៃមិនថ្លៃ ដោយមានឥម្លិលកំចាណ់ ៣០ ដុល្លា ដល់ ៩៩០ ដុល្លាក្ខង ទញ្ញៀង អាស្រ័យលើ យិមាណអត្ថិសនីដែលដលិតបាន លើយម៉ាស៊ីនទាំងនេះក៏ងាយស្រួលក្នុងការដើម្បីដដែរ ។ យ៉ាងណាក៏ដោយចំនាះកត្តារយស់ម៉ាស៊ីនដើម្បីបន្ទិលឡាបានត្រឹមត្រូវនោះកត្តាចើបងពីត្រូវឲ្យមានចំណុះទឹកក្រប់ ច្រាន់ គឺយោចធើឡាក់ដិចចាមកិនាកំណត់ចាំជាចនៃល្បឿន។

	January 20 Ison O Asia Notes mai Supplement to ECIJO Development Notes
FCHO Asia Notes Edited by Role and Educ Barcowitz Rescard by David University	The Amazing Effects of Rice Straw: Recycling Crop Residues to Improve the Soil by Wolfred Scheme, German Development Service (DED), Center for Schulies and Development of Cambedian Agricultur (CEDAC)
ECHO's Mission is to equip people with resources and skills to reduce hunger and improve the lives of the poor.	Black Working Blankener programma 2010, a Analing Brangean development and annota for parameter based in Analon Analine and Analine Analine and Analine and Analine in Analon Analine, from 1450 and Analine and Analine and Analine and an Analine and Analine and Analine and Analine and Analine and Analine and Analine and Analine and Analine and Analine Constant 2000. Instance and a chinese a substrate method. Constant 2000. Instance and a chinese a substrate method. Constant 2000. Instance and a chinese a substrate and Analine and Analine and Analine and Analine and Analine and Analine Constant 2000. Instance and a chinese a substrate and Analine Analine and Analine and a chinese a substrate and Analine Analine and Anal
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ECHO Asia Notes Currently in Seven Languages



Assistance in Accessing Needed Technical Resources





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









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







Seed Bank-Now offering 111 varieties







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



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- abicksler@echonet.org
- echoasia@echonet.org