

Summer 2007

MALP



The mission of the Maui Association of Landscape Professionals is to exemplify leadership by offering education to its membership, the industry, and the community.

NEWS

How to Select a Tree

By: Ernie Rezens ISA Certified Arborist, and ASCA Registered Consulting Arborist

Last month Susi Mastroianni wrote "How to Plant a Tree". This article will complement hers by discussing considerations you need to make when selecting a tree you want to plant.

It is important to buy the right tree because trees are a big investment. There is the initial cost of buying the tree, the cost to haul and plant it, and the long term costs to care for it.

You cannot plant a tree and walk away, especially when planting in an urban environment where survival challenges are more intense than if the tree were growing in its natural habitat. The tree needs to be watered, fertilized, pruned occasionally, and have its rubbish raked and picked up.

But the benefits more than make up for the costs. When grown long term, trees provide: great cooling shade, colorful flowers, fruit, architectural enhancement of a structure, increase of property value by as much as 10-12%, habitat for wildlife, a sound and visual barrier when properly placed, a decrease in rain water runoff, the oxygen we breathe, a decrease of carbon dioxide, a reduction of global warming.

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- * **Terry Nutt (Vice-president)**
- * **Jeff Bantilan (Past President)**
- * **Kevin Boteilho (Secretary)**
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- * **Donna Mann (Vocal)**
- * **Lisa Raymond (Vocal)**

Newletter Staff:

- * **Susi Masroianni**
- * **Gill Brooks**

Submissions/Comments

- * **gardencreationsmaui@yahoo.com**

Prior to buying the tree, you need to know:

1. The Site - Unfortunately trees are not adaptable to all the site variations found in our typical landscape. The Maui County Planting Plan shows five environments that plants are exposed to: Wet areas - windward part of the island; cool, dry areas in higher elevations above 1,000 feet; low, drier areas that are warm to hot; lower elevations that are wetter due to proximity to mountains; and salt spray zone in costal areas on the windward sides of the islands.

In addition to these environmental conditions one should be aware of site conditions such as soil pH, salinity, and depth, and whether there are underground water and utility lines. An adequate

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Of late I have been receiving many distressing emails on the state of the drought and water restrictions Upcountry. As an upcountry resident I have tried to do my part in cutting my water consumption by at least 10%. But what is of greater concern is the Upcountry Agriculture industry and our many landscape plant growers that work in the Upcountry/Kula area. By water all things find life and our industry is certainly a consumer of water to keep things green. MALP will be contributing to the debates on the water crisis and we would welcome hearing from our members on how this water shortage is affecting your business. Please go to www.malp.org and email us your concerns and questions we will present them at any meeting or panel discussions we are included in.

The Pres Sez.:

As you will see in this newsletter the Lawn and Garden Fair and Hawaiian Tree Giveaway is 4 months away and we are busy working hard to make this event a fixture in the green industry calendar. We cannot do it alone and we need volunteers to assist in the planning of the Fair and the day of the event. Please contact me if you are interested in helping. We need volunteers to set up the day before, man the MALP plant sale booth and MALP Information booth and assist in the smooth flow of the day. All volunteers will receive a lunch coupon and a free event T-shirt. Please come forward and lend a hand!! Contact me at 808 268 9825.

Mahalo nui loa

Susi Mastroianni

Landscape Groups Combine for Blaisdell Event

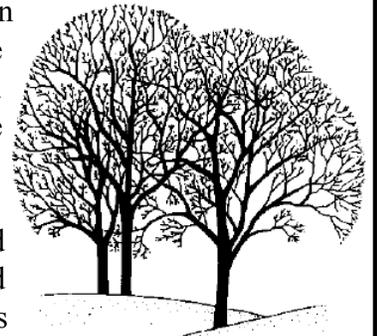
I became a reluctant, sleepy-eyed celebrity recently, a neophyte promo guy on the morning TV shows for our landscape industry conference in May. This was a very interesting experience. Suddenly people in other parts of my life, soccer volunteers, church ladies, people at the local restaurant, were saying "I saw you on TV." And I thought the focus was on the new native plant species?

No. There is a strange thing about landscaping in Hawaii, and this applies to building managers and residents of condominiums: we know we like plants, and we know we don't know too much about them, but we don't realize that the people who work with our plants professionally are struggling with little access to training, little or no support from the most of the public education bureaucracy, and, like Rodney Dangerfield, "get no respect."

What's respect got to do with a Blaisdell event? If the industry can get it together to exhibit at the Blaisdell, hasn't it arrived?

Yes, and no. Your diminutive Filipino yardman, your Polynesian tree trimmers, and your not-so-well-groomed landscape laborer, are part of a half billion \$\$ landscape industry that contributes mightily to Hawaii's economy and scenic beauty. Landscape workers and managers are the hands-on environmentalists who distribute huge volumes of precious water, tend to the CO2-gobbling trees and greenery that grace our buildings and parks, and groom and prune everything in our developed cityscape that makes it more than a "concrete jungle." When you escape to the golf course or the city park, or overnight at a resort, there the landscape industry is, too. They get up earlier than you do, like the fishermen and breakfast cooks. They work hard outdoors, like the farm laborers and the State highway crews. But, like Ralph Ellison's "invisible man," your landscaper is often just a figure in the background.

High tech and environmental awareness has quietly spread throughout the industry. And last month's conference at the Blaisdell advanced those causes among the movers and shakers in the landscape industry. Key legislative leaders Cliff Tsuji and Tommy Waters were there to speak, a sign that the glacial pace of legislative change has begun to shift to an awareness of the landscape's importance. Giant Vegas resorts, interior plant experts, and top mainland environmental designers, were represented. And our homegrown environmentalists, the invasive species committees, along with our lead landscape architect on this issue, took a key morning block on the second day.



Landscape Groups Combine for Blaisdell Event

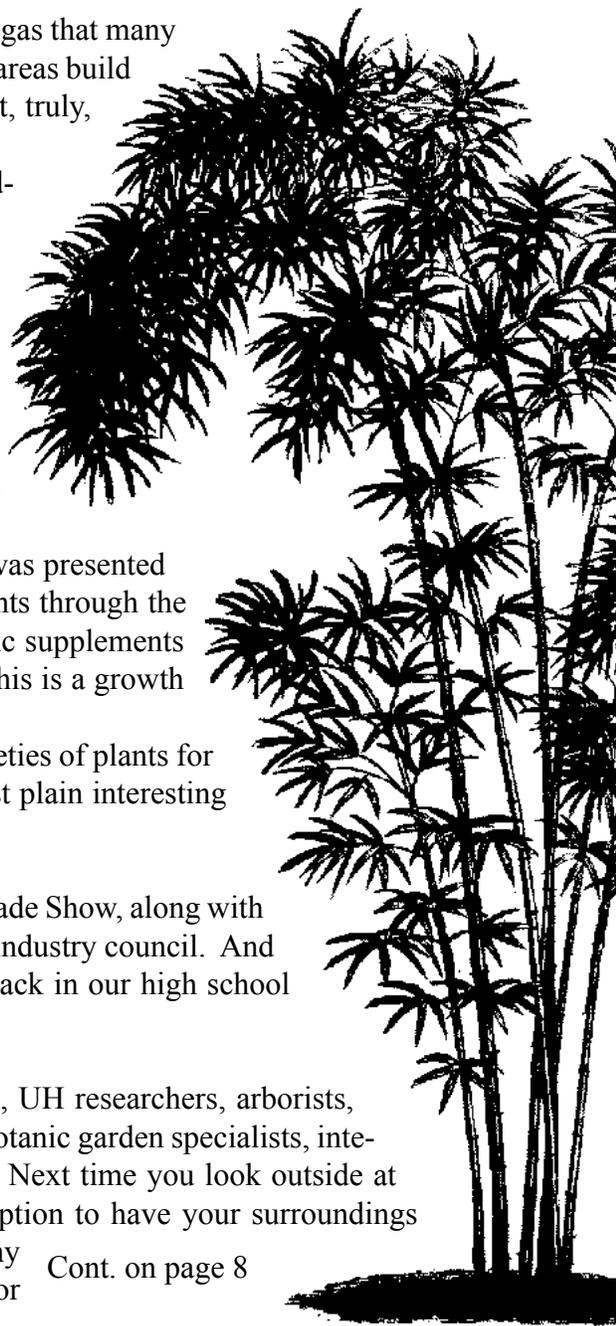
Why should this matter to building managers and residents? Just look at a few of the cutting edge issues:

- Dawn Easterday of Belt Collins, and Andy Kaufman of UH, showed their original research into “green roof” technology, using native plants, right here in Hawaii;
- Bill Wendt, the keynote speaker, explored roadside wetlands and the new ways to change storm water runoff from an engineering problem to a natural environmental cleaning process;
- Chris Dacus of DOT, and Christy Martin of Invasive Species’ Council, improved our landscape leaders’ understanding of our codes of conduct to limit the spread and stop new introductions;
- Sponsors Hunter Industries and Rainbird offer high tech products for weather station and remote control of irrigation, automatic shut offs for rain, and sophisticated new watering equipment
- Native plant nurserymen Dennis Kim and Rick Barbosa offered genuine, and sometimes very rare and endangered, native gardenia, hibiscus and other little known but valuable native Hawaiian plants;
- Greg Boyer, one of our best designer builders for landscape, highlighted his unique tropical style mixed with oriental art objects, water and specimen plantings that is all the rage in Kona and on Kauai;
- Night lighting expert Nate Mullen shared key design ideas to make your landscape give double service – think about it, why should your landscape be invisible at night?
- Wynn Resorts’ manager highlighted fabulous creations in Las Vegas that many of us see on that trip, and might see here as Waikiki and other resort areas build out. Accomplishments at big resorts in landscape demonstrate that, truly, just about anything you can imagine can be built.
- New local vendors TropicalAccents, in Waimanalo, and Island-XHawaii, in Waialua, show sophisticated pottery, statuary, and custom copper lamp fixtures, along with our long term local innovator Beach Side Lighting.
- Mini-equipment by sponsor Hawthorne shows remarkable uses for larger building campuses or busy urban sites needing access to narrow areas.
- Whispering Bamboo sold pretty much everything they brought over from Maui: who knew clumping bamboo would be so popular? If it doesn’t spread, hey why not bamboo?
- Another technology that your building could use – fertigation, was presented by Denny Mundell from Arizona. Just like a nursery feeds its plants through the irrigation water, you can, too. When it is that easy to apply organic supplements to the landscape you can get good results without a lot of labor. This is a growth area and is even a new category for State certified applicators.
- Our university researchers are hard at work developing new varieties of plants for non-fruiting varieties, substitutes for invasive ornamentals, and just plain interesting stuff.

Over 300 paid participants, and over 400 general public visitors to the Trade Show, along with the TV and radio coverage, made this event a success for the landscape industry council. And our legislators were able to announce the beginnings of a vocational track in our high school system for this exciting industry.

Golf course managers, landscape architects and designers, nurserymen, UH researchers, arborists, landscape contractors, erosion control specialists, irrigators, parks and botanic garden specialists, interior plant specialists, and many others make up this exciting industry. Next time you look outside at your grounds, or check your lobby plants, consider the professional option to have your surroundings upgraded or maintained. Send your in-house personnel to one of the many LICH sponsored training opportunities. And let your City Council rep or

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New Arbor Day Celebration with a Lawn & Garden Fair and Hawaiian Tree Give-away

On November 3rd 2007 two events will combine to create a more comprehensive celebration of Arbor Day and beautification of Maui. The Maui Association of Landscape Professionals (MALP) will partner with the Maui Nui Botanical Gardens (MNBG) to combine their efforts to create a must attend event full of educational activities and demonstrations. In addition to the annual free 1,000 tree give-away, there will be plant sales (fruit trees, succulents, natives and non-invasives), lectures, demonstrations, green industry representatives, and great food. And, Maui Invasive Species Committee (MISC) will be presenting their 2007 Malama i ka 'aina Award to a landscape professional that promotes and aids in the use of non-invasive plants on Maui.



Maui Nui Botanical Gardens first hosted its Arbor Day Tree Give-Away in 2003 in partnership with the DLNR Kaulunani Program, the County Department of Water Supply and Maui Electric Company. MALP's Lawn & Gardens Fair has been a success for 10 years and for the last three years has been held at the Maui Tropical Plantation in Waikapu.

This year the organizations will be combining their efforts to create an event that will be able to answer most of Maui's landscape, gardening and tree questions. There will be booths representing the landscape industry, tree friendly organizations and non-profits to answer questions on landscape equipment, fertilization, pests, diseases and soil testing. MALP's goal is education and elevation of landscape practices on Maui, and MNBG Arbor Day Celebration serves to beautify our island home and help to promote the right tree in the right place.

The Arbor Day Lawn & Garden Fair and Hawaiian Tree Give-Away

Date: Saturday, November 3, 2007

Time: 9am-3pm

Location: Maui Nui Botanical Gardens, 150 Kanaloa Ave., Kahului. Across the street from the War Memorial Football Stadium. Free admission and parking at the War Memorial Stadium.

The Spread of Invasive Agricultural Pests

Norman Nagata, Extension Agent University of Hawaii, Cooperative Extension Service

On June 7, 2007 the Maui County Cooperative Extension Service presented a seminar by Dr Arnold Hara, Extension Entomologist, on the "Update on the Control of the Erythrina Gall Wasp and Other Invasive Pests" that provided an excellent overview on the problems that these pests are having in various communities throughout Hawaii. Due to the importance of these pest issues, this story was extensively covered by The Maui News and was later picked up by other newspapers throughout the state.

While these stories may be redundant to many of you, it is still important to remind everyone that once a pest becomes established in the islands, it is here to stay. In spite of being the smallest state in the nation, Hawaii has the highest establishment rate of new invasive species, which is 500X more than anywhere else in the U.S. It is estimated that 15-20 new species arrive in Hawaii annually, of which a few may become serious agricultural threats. This may be due to Hawaii's great plant diversity that provides an immediate food source for many new pest arrivals, which can then thrive under our ideal climatic conditions. This is in contrast to places on the mainland that have cold or freezing winters or extremely hot and arid environments that would normally keep agricultural pests under control by killing them or preventing them from reproducing.

Hawaii's "first line of defense" against unwanted pests is provided by the Hawaii Department of Agriculture, Plant Quarantine Branch. The goal of this agency is to prevent people from transporting illegal items by inspecting imported and exported luggage, cargo, and mail. However, inspections are not absolute and at times some creatures may slip by. Therefore, it is important that everyone think seriously when bring anything into

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How to Select a Tree

and below ground space is needed for a full tree canopy to be supported by a large root mass.

2. The Species - References such as Plants for Tropical Landscapes, A Gardener's Guide by Rauch and Weissich, A Tropical Garden Flora by Staples and Herbst, Guide to Landscape Palms by Meerow, and of course the Maui County Planting Plan by the Maui County Arborist Committee are some of the many references available for your use. In addition, your personal experience with the species, or just seeing how it does in the neighborhood you want to plant it, will give you some idea whether that tree is suited for the chosen site.

The Maui County Planting Plan (MCP) contains 21+ characteristics (canopy spread, wind and salt tolerance, planting zone, etc.) for many of the commonly planted trees, ground covers, and turfgrasses. It does not include fruit tree information because they are not planted on streets and in parks. You can get a copy by contacting the County Parks & Recreation Department and paying a minimal price. This document is being revised and will include new plants but no invasive species. It will include new chapters on parking lot trees and

invasive species. Completion date is hopefully two years away. County Administration support and Council action are needed on some important issues before the document is released.



These three jacaranda trees are all trunk - about 13 feet tall - and have no lower branches. Their trunk taper is slight; trunks are crooked. These trees will be difficult to grow and train into having a well branched canopy.

They are too leggy.

Cont. from pg. 1



Two Citrus Trees.

Left tree: Trunk has good taper, a few more lower branches would be better, canopy is green and healthy. Top of soil has many exposed roots that are still flexible. It would be a good buy.

Right tree: Trunk is slightly tapered, too many lower branches have been removed, and branches have signs of leaf drop. Drought stress? Root impact? The tree will recover but will have a poor start.

3. The Nursery - Once you have the right species for the site you need to find where it can be bought. Because of the busy construction period Maui is experiencing many nurseries have placed on hold trees destined for landscape projects in progress. Available trees frequently are off grade and will need a lot of training. Healthy fruit trees are available at local nurseries because they are continuously provided by nurseries such as Plant It Hawaii and Frankie's.

4. "Eye Balling" the Tree:

a. Roots: Do not buy- a tree with woody roots circling a pot's soil surface. Tender soft roots circling can be opened-up at the time of planting. A tree with woody roots sticking out of the drainage holes is a sign of being "pot bound". Do not buy it. I am known to shake out a tree from its pot and have a look at its roots if I suspect problems. Years ago 3 & 4 foot citrus trees came in one gallon pots. Woody circling and kinked roots were common. The public became educated and rebelled. Today they are grown in large grow bags or pots.

You want a tree in balance with its pot size. You want a tree to have enough roots to hold onto the soil at planting. I have seen a pot carefully cut away from the tree and the entire medium fall away when the tree

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How to Select a Tree

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was lifted. The roots hung like you were grasping the handle of a water mop. Panic!

Buy a tree whose size is proportionate with the pot to avoid “pot bound” problems. Roots should be white and not brown or black.

b. Trunk: A single upright trunk is ideal. If only trees with multiple trunks are available, tip the weaker one(s) to subdue them and let it produce photosynthates until the tree is growing well. Then remove the subdued leader(s) leaving just one main leader.

If many of the young tree’s branches are growing upright at angles less than 45 degrees this will make for bark to be included (squeezed) between the branch and trunk. If branches with included bark are retained, they are poorly attached and may become problematic as they mature and become heavy.

Buy a tree with a single trunk with branches distributed around the trunk and emerge from the trunk at angles between 45 and 90 degrees. The trunk should be tapered, larger diameter at the bottom and smaller at the top.

c. Leaves: They should be evenly distributed on the upper two thirds of the tree and its branches. They should be green, healthy, and free of insects; check both sides of the leaves for pests.

Buy a tree that is vigorous, has many healthy green leaves, and has no insect pests.

In summation a healthy small tree growing in a container of a proportionate size will adapt to a site better and faster than a larger tree with root, leaf, and trunk problems.



(Cont. from pg. 4)

The Spread of Invasive Agricultural Pests

Hawaii or accepting gifts from another location. When in doubt, you should contact the Plant Quarantine Branch on Maui at 873-3555 for advice.

Importations of potted or bare-rooted plants (nursery and landscaping trade) and plant products (flowers, foliage, vegetables, fruits, propagation materials, etc.) from within Hawaii and out of state present the highest risks because these items may actually harbor unwanted pests. The movement of any object (vehicles, equipment, tools, shoes) that contains soil or plant residues can also be a problem, especially with soil born diseases. Some people have also speculated that the wiliwili gall wasp might have been introduced and was spread rapidly throughout Hawaii by movement of infected stems and leaves that may have fallen into truck beds that may have been shipped throughout the state.



MALP's Calendar of Events

Updated 08/03/07

August 18th, Saturday

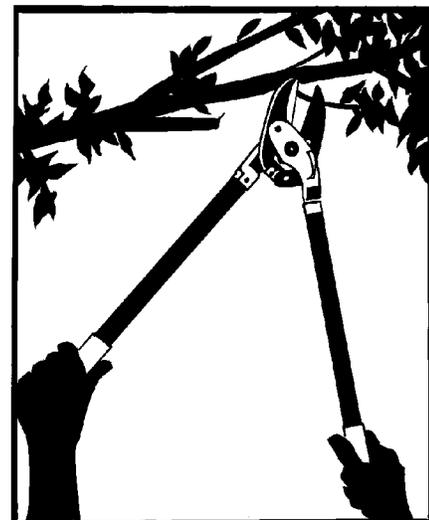
Maui Garden Club – Sherla Bertalman from Hilo will be giving a talk on Vireya (Tropical Rhododendrons). 12 noon – 3pm Walter Cameron Center, Wailuku, class room #1. Potluck lunch between 12 – 1pm. Call Kathy Lindsey for info 573 1646.

August, 25th, Saturday

Maui Nui Botanical Gardens Plant Sale, 9am – 12 noon, 150 Kanaloa Ave., Kahului, MALP will have a Booth to answer landscape questions and pass out member directories.

September 1st, Saturday

MALP Field Trip and Work Day, D.T. Fleming Arboretum at Pu'u Mahoe. Martha Vockrodt-Moran will be leading us on a work morning at the arboretum. Light landscape work for 2 hours will be followed by a picnic lunch and an optional tour of the Arboretum after lunch. Please call Susi @ 268 9825 to confirm attendance. Visit www.flemingarboretum.org to get an insight into the work that is being done at the arboretum. Meet at Keokea Park at 8.30 to leave by 9am,



September 26th, Tuesday

MALP Educational Meeting, Walter Cameron Center – Native Nursery, Jonathan Keyser talks with us about using natives in the Landscape.

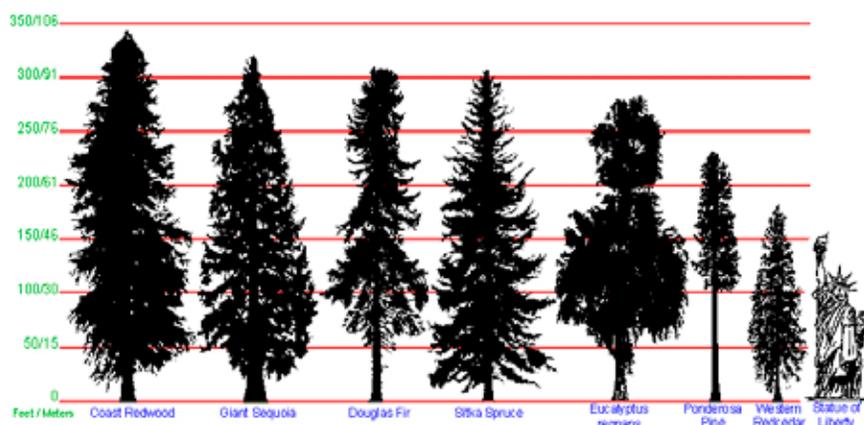
Starts with Pupus at 6.30pm

November 3rd, Saturday

Lawn and Garden Fair and Hawaiian Tree Giveaway. 9am – 3pm

Maui Nui Botanical Gardens,

This years Fair will be a joint venture with the Maui Nui Botanical Gardens who will be combining their efforts to create an event that will be able to answer most of Maui's landscape, gardening and tree questions. There will be booths representing the landscape industry, tree friendly organizations and non-profits to answer questions on landscape equipment, fertilization, pests, diseases and soil testing. MALP's goal is education and elevation of landscape practices on Maui, and MNBG Arbor Day Celebration serves to beautify



our island home and help to promote the right tree in the right place. 150 Kanaloa Ave., Kahului. Across the street from the War Memorial Football Stadium. Free admission and parking at the War Memorial Stadium.

December 2007

MALP members Christmas Pot Luck

If you have an event that involves the Green Industry, please email submissions to gardencreationsmaui@yahoo.com We will be happy to include your event.



(Cont. from pg. 3) **Landscape Groups Combine for Blaisdell Event**

legislator know that the beauty of our landscape is important to you. Why are landscape plantings mandated at new construction but then, when not maintained or even removed, no follow up, so once nice areas revert to half-gravel, half-dirt wastelands?

Next year look for the agriculture and landscape conferences to be combined, and watch out for the international arborist conference in Honolulu July 28 to August 1: the tree climbing competition will probably make the TV news and will be a fine outing in the park to bring your family and watch.

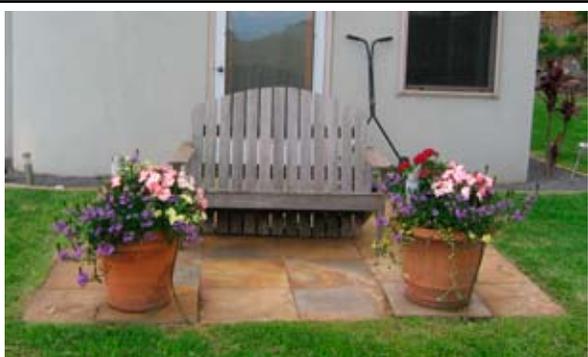
Boyd Ready, President
Landscape Industry Council of Hawaii



Including Pots in the landscape adds another dimension and in this case allows you to raise the herbs to an easier level for the client to harvest.



In our island culture we remove our shoes before entering our homes. A good design idea is to include a bench and shoe rack at the entrance.



Adding colorful pots on patios and decks is a great way of introducing interest. Try to supply drip irrigation as pots tend to dry out quicker than the ground and clients may not water as diligently as you would like!

**Save your trees now
or cut them down later!**

Safe, long lasting, arborist developed pest eradication.

Commonly attacked trees on Maui:
Monkey Pods, Pepper Trees, Shower trees,
Plumeria and Koa Trees

Call us for help!

Yards & Gardens
The Tree Savers
870-8723





MALP Members 2007

On behalf of MALP we wish to thank all of our members for their support not only to our organization, but also to the Green Industry here on Maui. Each one of you contributes in some way and we thank you!! If you have paid your dues and your name does not appear on this list please contact Ken Findeisen @ hgpk@maui.net

Michael Aguinaldo

Ray Ah Chin

Shawn Ardoin

Jeff Bantilan

Mark & Barbara Beebe

Steve Behn

Mark Blietz

Kevin Boteilho

Steve Bourgeois

Bobby Caires

Oswaldo Cardenas

Sonny Castillo

Jason Dagenhardt

Russ Dooge, CGCS

Jan Elliott

Ann Emmsley

Ken Findeisen

Rubens Fonseca

Glenn Gazmen

Pam Gould

Dan Honma

William Jacintho

Karen Jennings

Leslie Jeremiah

James Jones

Claudia Kalaola

Shigeru Karakawa

Kenneth Kato

Jonathan Keyser

Kevin Ledesma

Kathy Lindsey

Dan Lynch

Christine MacDonald

Edwin Magaoay

Arline Maither

Donna Mann

Susi Mastroianni

Kim Mitchell

Gary Mohrlang

David & Martha Moran

Terry Nutt

Ken Ota

Ryan Ouye

Anna Palomino

Joylynn Paman

Ron Parkhurst

Steven R. Quigley

Beau Roye

Kieth Sakamoto

Kassie Sarol-Silva

Lisa Schattenburg-Raymond

Sherry Sorensen

Britton Stisher

Josh Stone

Andy Taira

Craig Trenholme

Stefan Uyehara

Pamela Van Horn-Beagle

Michael Vierra

Rufino Villanueva

Philippe Visintainer

Cresencio Yagin

Ryan Zucco

Gill Brooks

Christoper D. Curtis

Monnie Gay

Darby Gill

Woody Goble

Jim Heid

Bob Hobdy

Billy Irvine

Harold Keyser, Ph.D.

Doug MacCleur

Robert T. Martin

Bruce Martin

Godfrey Mau

Norman Nagata

Ed Perreira

Reny Platz

Ernest Rezsents

Leatrice Taketa

James Tavares

Boyd Ready

Chris Robinson

Glen Shisido

Philip A. Thomas

Carver Wilson



MALP

P.O. Box 2099

Wailuku, HI 96793-2237

<http://www.malp.org>



MALP Membership Form

New Member

Renewing Member

Name: _____

Company: _____

Address: _____

Phone: _____

Email: _____

Please send \$45.00 along with this card to:

MALP

P O Box 2099

Wailuku, HI, 96793-2237

MALP donates towards Education

Each year MALP uses some of our funds to donate towards education of future Landscapers. This year we donated \$500.00 to the James Tavares Scholarship fund to assist a worthy student in the Maui Community College Agriculture department headed up by Ann Emsley and assisted by William Jacinto. With our growing industry we need more knowledgeable graduates to take the lead in sustainable landscape practices.

*Thanks to our paid membership
for making this grant possible.*

MALP booth represents the Landscape Industry

This was the first year that the Maui Farm Bureau hosted the Maui Ag Fest. MALP was there answering landscape questions & handing out our membership directories as well as informational hand outs on landscape topics. We hope that some of you got calls for work. We plan to attend the next year's event as well. Mahalo to Terry Nut, Donna Mann, Lisa Shattenburg-Raymond and Susi Mastroianni for arranging and manning the booth.

The fest was well attended with chili cook offs, lavender products from Alii Chang and entertainment by Frank De Lima. Most arms of the Ag industry were represented including CTAHR, Water department, MISC, Flower Growers Association, Farm Bureau and others.