

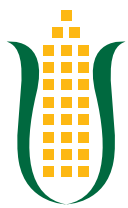
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Urban Harvest



GROWING season



10th Annual Fruit Tree Sale

Saturday, January 9, 2010 – 8:00 a.m. – noon
Rice University Football Stadium Pavilion

The thirst for fruit trees is almost unquenchable now that people know the many types of fruit that can be grown here and how nutritious and delicious the fruit is when picked fresh. Urban Harvest is working hard to quench that thirst. Quite a few people left the sale last year with fewer trees than they came for and some left with no trees. We hope to remedy that problem with 70% increase in plants to sell. This year we plan to offer more than 10,000 trees and berries.

It takes a bunch of volunteers to put on a fruit tree sale. About 180 volunteers worked at the sale last year and a similar number is anticipated this year. Some volunteers have been busy since August preparing publicity, ordering trees, and planning the layout of the sale area. Soon volunteers and staff will be updating fruit tree information on the website and others will be preparing signage to help you find your selections. Literature is created, materials and supplies are organized, and sales people are trained. In the days before the sale, trees are delivered, unloaded and placed in their designated spots. If a frost is predicted, special heaters and wind screens are also installed. Lastly, signage is put up and tables are set into place for cashiers. The day of the sale, even more volunteers go to work, greeting shoppers, answering questions, moving, bagging and loading trees, directing traffic, and making sales. Volunteering for the sale is an act of love. For many, it is a yearly calling. For everyone, it's a rewarding experience.

Tell your friends, tell your coworkers, tell your family, and mark your calendar. ■



3

PRE-SALE TALKS about Fruit Trees & Berries

Dec. 5, 12:30-2:30 pm – Taste more than 80 varieties of citrus then learn about the fruits and berries we'll have on sale.

Jan. 2, noon-2:00 pm – Pre-sale Talk

Jan. 5, 6:30-8:30 pm – Pre-sale Talk

For details and locations, visit www.urbanharvest.org.



I am pleased to announce Urban Harvest has launched a new fun, informative and thought-provoking panel series titled "Food For Thought." The series will consist of panel discussions on hot topics such as growing and celebrating food locally. Here's the dirt.

WHEN: the third Wednesday of each month from 7:00-8:45pm.

WHERE: the University of Houston, Central Campus.

FORMAT: social time from 7:00-7:15, moderated panel discussion from 7:15-8:15, Q&A and more social time from 8:15-8:45.

THE INITIAL LINEUP:

- November 18 – Edible Plants in the Urban Garden
- December 16 – Fresh Fruit Year Round
- January 20 – Living the Locavore Life
- February 17 – Tools of the Trade

What will you get out of this series? In addition to learning a lot, you'll get a chance to catch up with old gardening friends and to make new ones. You'll learn about Urban Harvest volunteer opportunities. And you'll get answers to your gardening questions at our "ask the experts" booth.

For more information, visit the front page of our web site at www.urbanharvest.org.

We would like to thank our in-kind sponsors of Food For Thought: University of Houston, Fischer Shalles and Patterson Murphy Public Relations. Don't miss out on the fun. See you there!

Yours in community gardening,

Mark Bowen
Executive Director



HOW YOU CAN HELP URBAN HARVEST

Time, talent, treasure. Urban Harvest thrives on the generosity of people like you.

And we can always use an extra pair of hands. Visit urbanharvest.com to see the volunteer opportunities available and where you might fit it. Then dig in. And help us as we plant the seeds for a healthier city.



Urban Harvest

7 1 3 . 8 8 0 . 5 5 4 0

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Urban Harvest wins a Healthy Habitat Grant.

A total of \$225,000 in Texas Healthy Habitats Grants has been awarded to 15 different schools and non-profit youth organizations across the state. Urban Harvest is one of the non-profits selected and will receive \$14,863 for a youth project at Rusk Middle School.

Located in Houston's east end, Rusk Middle School is an environmental magnet school that this year received funding for an after school 21st Century

Community Learning Center. The Urban Harvest partnership will supplement after school programming for grades sixth thru eighth with hands-on outdoor learning in conservation. Students will have the opportunity to create a project on their campus that addresses priorities in the Texas Wildlife Action Plan, a blueprint to "keep common species common." Texas is believed to be the first state offering grants for student service projects supporting a statewide wildlife action plan.

The grants are being administered by the Texas Center for Service-Learning, made possible with a donation from EnCana Oil & Gas (USA) Inc. to the Texas Parks and

Wildlife Foundation. Diana Foss, an expert from the Texas Parks and Wildlife Department, will continue to guide the grant project as it unfolds over the next year. As students research and define their local environmental issues they will investigate public and organizational policies, design and implement service-learning projects, and evaluate and publicize the results to public officials and community members.

Earlier this year, EnCana donated \$486,000 to the Texas Parks and Wildlife Foundation. The donations supports the Healthy Habitats grants program, plus two other projects: control of giant salvinia and other invasive plants choking Toledo Bend reservoir in East Texas and facilities for the new Texas Game Warden Training Center in Hamilton County. Since 1991, the Texas Parks and Wildlife Foundation has been the official non-profit partner of the Texas Parks and Wildlife Department. By bringing together companies, corporations, communities and individuals, the foundation has raised more than \$60 million benefiting a wide variety of projects. ■



Teaching Teachers

by Michael Godoy

Four years ago, I was given the assignment to write about my earliest, most memorable science experience as a student, and it actually was not that difficult. I remember quite clearly my seventh grade science teacher installing a weather station on our school campus. I remember her directions to us and the day it was my responsibility to collect data from the weather station. I think the reason this event was so easy to recall was that it was such an anomaly from our usual day-to-day sit-in-the-classroom-and-read-from-our-science-textbook routine. That science experiment was an opportunity to experience, analyze and report. I can only imagine how much more memorable my elementary and middle school science experience would have been if I had been introduced to an outdoor classroom.

Outdoor classrooms are a wonderful teaching resource. They inspire awe and curiosity in students in a profound way. It's not difficult to get students to pay attention to what's going on in the pond or get them to understand food chains by showing them a cluster of aphids sucking the juices from a milkweed plant.

Urban Harvest has always done a lot for teachers in the Houston area to help facilitate the usage of outdoor classrooms. Schools may contract with Urban Harvest for an after-school program or for an Urban Harvest instructor to work with teachers during the day. Additionally, Urban Harvest has "How to Start a Community or School Garden" classes that teach educators how to create their own outdoor classrooms. Now educators have the option of taking "Starting an Outdoor Classroom"



course as well. This three-class course was designed specifically to teach educators to plan, design, and build an outdoor classroom for their school campus, with the added component of curriculum development for science, math and language arts.

The first class in the "Starting an Outdoor Classroom" series deals with planning the classroom, a key to creating a valid understanding of the garden. It is important that school principals, faculty and staff realize that the garden is a learning resource for the school and not simply a campus beautification project. To be successful, outdoor classrooms must be perceived as learning centers for students, with areas for viewing wildlife, areas for decomposition, and areas where students can experience lifecycles.

The second class in the series covers garden design. What features do you want to include in your outdoor classroom? Maybe a pond?





Ponds are a wonderful resource at schools. They can be stocked with gambusia, small fish that eat mosquito larvae. Ponds attract frogs providing students the opportunity to view the metamorphic life cycle. If, however, you don't know how to identify invasive plant species, your pond could become a dense mass of cattails. This class can help you decide what you can handle and what will fit with the needs of your campus.

The third component of the series is the implementation section, designed to provide you with the knowledge you need to construct your outdoor classroom and to help alleviate your spending fears.

An outdoor classroom can be a successful and rewarding addition to a school's curriculum. It can help you meet TEKS objectives in a fun and interactive way. An outdoor classroom can inspire young mind with lessons they may never get from books. It can create experiences students may keep forever. ■

CHECK THIS OUT

Michael Godoy is an experienced science teacher who has been teaching for the past 12 years and working outdoors with students for the past 7 years. This winter he will be giving classes on Starting an Outdoor Classroom. See page 10 or visit www.urbanharvest.org for more details and class schedules.



Good Eats

Sweet Carrot and Daikon Radish Salad (Namasu)

Yield: 6 servings

Ingredients:

- 1 1/2 pounds daikon radish (about 14 radishes), peeled
- 1 large carrot, peeled
- 1 tablespoon salt
- 2 tablespoons sugar, preferably raw
- 1/3 cup unseasoned rice vinegar
- 2 dashes light soy sauce or to taste (optional)

Preparation:

Cut daikon and carrot into thin shreds, or grate in a food processor. Combine vegetables in a bowl, sprinkle with salt and toss well. Set aside 20 minutes. Drain off liquid as it collects in bottom of bowl. Working in handfuls, firmly squeeze out excess liquid and transfer vegetables to a second bowl.

Dissolve sugar in vinegar and pour over vegetables. Toss. Refrigerate, tossing occasionally, at least one hour or overnight. Remove from refrigerator at least 30 minutes before serving; dish should be served at cool room temperature. Just before serving, taste; if desired, add soy sauce and toss.





Urban Harvest FARMERS MARKET



NEW NAME. SAME LOCATION.

You may have noticed some changes at the Urban Harvest Farmers Market. We have a new name, new logo and an attractive new sign. What hasn't changed is our commitment to providing you with the freshest local produce, fruit, farm products and prepared foods available. Check us out Saturday mornings, 8 to noon, on Eastside, just behind 3000 Richmond.

Reaping rewards.

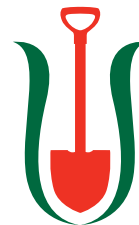
With many new visitors to the market, the staff at Urban Harvest is working on hard to educate the customers about our farmers and their growing practices. We have revamped the "Terminology of Growing Practices" literature and created newer, larger signs for all of the growers to post at their booths: Certified Organic, Certified Naturally Grown, Sustainable and Conventional. So who are our farmers, and how do they grow their food?

Joan Gundermann of Gundermann Farm has two plots of land in Wharton, sixty miles southwest of Houston. One plot of land is Certified Organic by the Texas Department of Agriculture and the other plot of land is sustainable and therefore, not certified by the state. When she brings vegetables from both plots, Joan has two booths: one for the certified organic vegetables, and one for the sustainable vegetables. Some weekends, she only brings vegetables from her sustainable plot of land and those weekends she has only one tent. If she is not at the market, her son, Garrett, and his wife, Stacey, sell their vegetables. Both Urban Harvest and the Gundermanns have extensive paperwork from the state of Texas that explains how many plants were sowed in the certified organic field. Since the Gundermanns are very proud of what they do, they will be happy to explain to you what hard work they have put into their produce.

Jim & Vel Hanka of Hanka Farms are also based out of Wharton, Texas, and as fifth generation farmers, are conventional farmers. Like his siblings, Jim Hanka holds a college degree but after six years working for Ford Motors, Jim decided to return to Wharton to the family business. His father had tried to dissuade him from choosing the farming lifestyle but Jim loves the land. He constantly shifts between the emotions of love for the trade and disappointment with the financial challenges of farming. His goal is to decrease his farm land to eight acres, because according to Jim, that is the optimum size for a small farmer to make money. He has found a financially sound niche in Asian vegetables like Napa cabbage and bok choy.

Maxine & Tom Yunker of Fir Forest Harvest are Certified Naturally Grown. Most farmers who choose to go this route are too small to go through the financial commitment of an organic certification but are dedicated to farming vegetables free of synthetic chemicals. Their four-acre plot of land is surrounded by the suburbs of Spring, forty miles north of Houston. They are best known for their microgreens, sprouts and canned vegetables.

To learn more about where your food comes from, visit these farmers as well as the other vendors at the Urban Harvest Farmers Market. ■



Urban Harvest COMMUNITY GARDENS

Putting down roots.



The Challengers of the Challenger 7 Garden

After Ike came through last fall I started contacting community gardens in the hardest hit areas to see how they weathered the storm. When I talked to Mike Rudnicki at Challenger 7 Community Garden he said things looked okay but they had a shed that had been blown over and needed to be set up. Well, they got the shed righted and have been growing strong since. Mike and I sat down this summer and talked a bit about the Challenger 7 garden.

A bit of history. Challenger 7 Community Garden was started in the early '90s in the Challenger 7 Park near Webster as a donation garden. The garden was re-located within the park in 2003/2004 to allow the park to build a new pavilion. They now have 15 beds (10 are 6x35 beds and 5 are 6x15 beds). All the vegetables grown at Challenger 7 community garden are donated to food pantries in Clear Lake, League City and Pearland. The garden averages about 2,700 pounds of donated vegetables each year.

You learn something new every day. The gardeners have learned how to grow quality vegetables without commercial fertilizers and insecticides. The Challenger 7 gardeners have also set up a compost system that is fed by a former volunteer who bring bags of leaves he gathers from the neighborhood each winter. Among the favorite crops in the garden are leeks and onions. Recently a volunteer plant popped up in one of the beds. It was a vine that produced a vegetable that looked like a melon or a very large cucumber with light fuzz on the surface. The gardeners don't know where it came from. One of the garden members looked it up online and it turns out that it is a Chinese vegetable called mo qua, or "fuzzy melon."

Because their garden is in the middle of an open field the gardeners at Challenger 7 really have to work at keeping their young transplants alive in the early spring and keeping things watered in the heat of the summer. They have found solutions to both issues and maintain a philosophy of "Keep it Simple . . . and try something new once in a while." ■

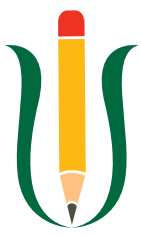
"The Challenger 7 Community Garden has been a blessing to St. Bernadette Christian Action's Food Pantry. It is truly a joy for clients to be able to receive fresh produce."

*Marge Plummer
Director of Christian Action
St. Bernadette Catholic Church*



WHAT CAN YOU DO?

- Volunteer your time in the garden.
- Donate Supplies—new and used garden tools, hoses, bark mulch and seeds.
- Looking for a garden near you? Check out the community gardens map at www.urbanharvest.org.



Urban Harvest
EDUCATION



Start reading fruit tree variety and care information on the Urban Harvest web site, in preparation for purchasing your trees January 9 at the fruit tree sale. Study well for years of abundant delicious harvesting.



Growing smart.

The Ins & Outs of Fruit Gardening

So you think you can plant just any old fruit tree and voila you will have an abundance of delicious fruit for years to come? Well, it's not quite that simple, but close. There are several keys to having productive fruit trees. Follow these keys for an almost 100% chance of success.

SUN – most fruit trees require a sunny location. Citrus trees, blueberries and blackberries need about ½ day sun, but most of the others need more in order to produce a good amount of fruit. And figs just don't want to produce at all, if they don't have full sun.

WATER – regular watering is required in the first couple of years until there are deep root systems, so water your young trees on a weekly basis, if it does not rain significantly. On the other hand, make sure the location you plant your trees drains quickly after a rain, for wet feet will damage or kill most fruit trees.

PROTECTION – Summer heat will kill a first year avocado, if it is not covered by a shade cloth, while winter hard freezes will do real damage and possibly kill tropical and semi-tropical trees, if not properly protected. You can fully wrap tender trees such as star fruit, mangoes and Barbados Cherry with a heavy cloth with perhaps a 5 gallon bucket of water under the cloth.

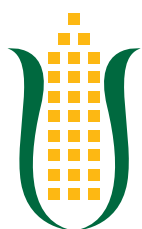
VARIETIES – The variety of fruit tree is critically important, not just for abundant production and taste but

for ability to deal with our climate. Fruits like peaches, pears, apples, persimmons and plums need to be able to break dormancy, flower and fruit with the small amount of cold we get in the winter. And citrus such as satsumas, kumquats and calamondin are much better at coming through hard freezes than limes and lemons. Some varieties of avocados can withstand very cold weather, while other varieties will die.

PLANTING TIME – All the trees that go dormant such as pears, persimmons, pomegranates, peaches and plums need to be planted while they are dormant, which means in the midst of winter. Tropical and semi-tropical trees such as citrus, mangoes, avocados and starfruit need to be planted after all chance of freeze has past.

PLANTING – Make sure the root system is fully in the ground, and the graft is a couple of inches above the soil line. Plant in a raised bed if there is the possibility of standing water, or plant into the existing soil with no amendments.

FERTILIZATION – Fertilization is important especially the first 2 or 3 years, and for a mature tree that has started producing a lot less fruit. In the first year, fertilize in late spring and perhaps again in early fall. In subsequent years, fertilize in early and late spring. Use an organic fertilizer and check Dr. Randall's book for amount, which depends on the diameter of the trunk. ■



Winter Planting Guide



Urban Harvest

	Dec	Jan	Feb		Dec	Jan	Feb
avg hi-lo temps	65-43	62-41	67-44	avg hi-lo temps	65-43	62-41	67-44
arugula (rocket) seed	*1-31	*1-21, 22-31	1-28	kohlrabi seed			*1-29
asparagus root/seed			1-28	leek plant		*1-31	
bean, adzuki seed			15-28	lettuce seed	1-31	1-14, *15-31	*1-29
bean, garbanzo seed		*1-7, 8-21??		mâche (corn salad) seed	1-30	*1-31	*1-29
beet seed	25-31	1-14, *15-31	*1-14, 15-21	mibuna seed		8-14, *15-31	*1-7, 8-29
bok choy seed		1-7, *8-31	row cover 1-28	minutina	*1-31	1-31	1-29
broccoli seed	inside 1-31	inside *1-31		mizuna seed	1-31	*1-21, 22-31	row cover 1-29
broccoli plants			*1-21	multiplying onion bulb	*1-31	*1-31	*1-29
cabbage seed		*1-31		nasturtium seed		1-14, *15-31	*1-29
cabbage plant			*1-21	mustard seed		*1-21, 22-31	row cover *1-29
carrot seed	16-31	1-14		onion, bulb set	1-15		
chard (Swiss chard)			*1-28	parsley seed		*15-31	*1-29
chaya, cuttings	inside	inside	inside	peas, (Chinese, snow, English, sugar snap),	7-21, *25-31	*1-7, 8-21	
chervil	1-14, *15-31			pea shoot, Chinese, seed	*1-31	*1-31	1-29
chicory (escarole) seed		15-31	*1-28	pepper seed above 85°F	inside *15-31	inside *1-14	
chile seed indoors, above 85°F	*1-31	*1-14		potato, Irish tuber	inside *1-31	*1-14, 15-31	1-14
Chinese heading cabbage seed		1-14 *15-31	1-7	rape leaf/quick collard/yo choy seed		15-31	*1-29
collard seed	inside 1-31	*15-31		red radish seed	1-31	1-14, *15-31	*1-29
collard plant		15-31	*1-14, 15-28	spinach seed	*1-15		inside 15-29
cress seed	1-15			tatsoi seed		*1-21, 22-31	1-29
daikon seed, row cover			15-28	tendergreens, mustard	?1-31	7-14	
dill seed			*1-28	tomatillo, cape gooseberry		inside	inside
eggplant seed		inside *1-14		tomato seed, early, less than 80 days		inside *1-15	
endive seed		15-31	*1-28	tomato seed, late, (heirloom) more than	inside *17-31	inside *1-3	
fennel & finocchio seed			*1-28	tomato plant (protect from late freezes)			
garlic chives sets	1-31	15-31	*1-28	■ Montrose/3rd Ward			*7-22, 23-29
ginger & turmeric root		inside	inside	■ East of Hwy 6/south of FM 1960			15-29
horseradish root	1-31	1-31	1-28	■ West of Hwy 6/north of FM 1960			still too cold
kale seed		*15-31		spinach seed	*1-15		inside 15-29
kale plant		15-31	*1-14, 15-28	turnip, 50 day type		*1-21, 22-31	row cover 1-29

* = ideal time to plant ? = questionable time to plant

Winter Classes

Classes are held at our offices at 2311 Canal Street unless otherwise noted. Visit our website for directions. Please register online by going to our web site at urbanharvest.org and clicking on the Classes and Events Calendar. You can also register by calling 713-880-5540. We accept walk-ins unless the class is full. The Backyard Orchard Series is free for affiliated community gardeners and educators with affiliated gardens but your donation is always appreciated.

STARTING A COMMUNITY GARDEN SERIES

by **Becky Blanton & Gary Edmondson**

Over 100 gardens are growing throughout our area at schools, places of worship, parks and on vacant lots. In this series, learn how to start a community garden. Continuing Professional Education (CPE) credit is available for class 2 & 3.

Class 1: Organize - Explore goals for your garden, begin organizing volunteers and looking for funding.

Tuesday, January 11

2:00–4:30pm, Free Class

Class 2: Design - Learn the criteria needed to choose a site, design the garden and develop a budget.

Monday, January 20

2:00–4:30pm,

\$22 members, \$33 non-members

Class 3: Implement - Review and modify the design and budget. Learn layout and construction procedures.

Wednesday, January 27

2:00–4:30pm

\$22 members, \$33 non-members

STARTING AN OUTDOOR CLASSROOM SERIES

by **Michael Godoy**

Schools are unique settings where gardens can become great hands-on tools for teaching throughout the

school year. The key to using the garden is having your curriculum aligned with lessons that can be taught in the garden. CPE credit is available for Class 2 & 3.

Class 1: Organize - An introduction that will help teachers become acquainted with this learning resource. Topics include: planning an outdoor classroom as an educational resource, creating a green team, fundraising and using vegetable gardening to meet TEK objectives.

Monday, February 8

4:15-6:45 pm, Free Class

Class 2: Design - A discussion of outdoor classroom elements. We will cover weather stations, vegetable beds, compost bins, ponds and habitats.

Monday, February 15

4:15-6:45 pm

\$22 members, \$33 non-members

Class 3: Implement - A tutorial whose primary focus is building an outdoor classroom. This class will introduce teachers to using volunteers, and learning how to become a part of a blog community of outdoor educators.

Wednesday, February 24

4:15-6:45 pm

\$22 members, \$33 non-members

HIGH DENSITY HOME ORCHARD

by **Angela Chandler**

This system enables the urban gardener to quadruple the variety of fruit they can grow without buying a single square foot of land.

Tuesday, December 8

6:30-9:00pm

\$22 members, \$33 non-members

GROWING ORGANIC VEGETABLES

by **Bob Randall, Ph.D. & Gary Edmondson**

In a total of 25 hours of instruction, this class covers everything you want to know about growing vegetables.

10 Thursdays, 6:30–9:00pm

January 21, 28, February 11, 25,

March 11, 25, April 8, 22,

May 6, 20

\$230 + \$50 deposit (refundable after service completion),

and if needed, a \$70 materials fee for Randall's book Year Round Vegetables, Fruits, & Flowers and Urban Harvest membership. Three scholarships are available for community gardeners.

PREPARE FOR THE FRUIT TREE

SALE TALK by **Heidi Sheesley & Angela Chandler**

This class is for anyone who wants to plant fruit trees in their yard and intends to purchase them at the Urban Harvest fruit tree sale.

Saturday, December 5

12:30-2:30pm

Saturday, January 2

12:00–2:00pm

Tuesday, January 5



6:30pm–8:30pm
\$10 all students, no registration
required and pay at the door
Location: Check the website

BACKYARD ORCHARD PACKAGE
by Bob Randall, Ph.D.,
Gary Edmondson, Ed Self
& Ethan Natelson, M.D.

This series of classes teaches the essentials of growing fruits that produce well so you can become a successful grower. Details about each class and instructors are available at www.urbanharvest.org.
Series price discount for all seven classes: \$139 members, \$208 non-members.

**Backyard Orchard #1:
Growing Citrus**
Tuesday, December 1
6:30–8:30pm
\$22 members, \$33 non-members

**Backyard Orchard #2:
Citrus Tasting**
Saturday, December 5
10:00–11:30am
\$22 members, \$33 non-members

**Backyard Orchard #3:
Fruit Tree Care**
Thursday, January 14
6:30–9:00pm
Wednesday, March 4
6:30–9:00pm
\$22 members, \$33 non-members
(not offered as part the package)

**Backyard Orchard #4:
Tropical Fruits for Houston**
Tuesday, January 19

6:30–9:00pm
\$22 members, \$33 non-members
**Backyard Orchard #5:
Apples, Pears & Persimmons**
Saturday, January 23
9:30am–noon
\$22 members, \$33 non-members

**Backyard Orchard #6: Peaches,
Plums, Pomegranates & More**
Saturday, February 6
9:30am–noon
\$22 members, \$33 non-members

**Backyard Orchard #7: Berries,
Figs & Grapes**
Saturday, February 20
9:30am–noon
\$22 members, \$33 non-members

**HANDS ON FRUIT TREE PRUNING
PACKAGE** by Bob Randall, Ph.D.
& Gary Edmondson
Winter is the season for this garden maintenance activity so critical to healthy trees and successful fruit production. It is highly recommended that prior to this class you take the Care of Fruit Trees class. CPE credit is available.
4 Fridays, January 15, 22, 29, February 5, 4:00–6:00pm
\$18 members, \$27 non-members,
Series price discount
for four classes: \$64 members, \$96 non-members. Free for community gardeners (your donation is appreciated.)

ORGANIC CONTAINER GARDENING
by Dianne Norman
Don't have enough space

to grow your favorite herbs and vegetables? Container Gardening may be your answer.
Wednesday, January 13,
6:30–9:00pm
\$22 members, \$33 non-members

GROWING GREAT TOMATOES
by Diana Liga
Foolproof tips on dealing with pests, diseases, caging, harvesting and plant rotation.
Wednesday, January 26
6:30–9:00pm
\$22 members, \$33 non-members

**INTRODUCTION TO
PERMACULTURE** by Shawn
McFarland & Cas Van Woerden
Permaculture is the most advanced design concept for creating gardens, landscapes, farms and ecosystems. NOTE: This class is a prerequisite for all other permaculture classes.
Tuesday, January 12
6:30–9:00pm, \$10 all students
Pre-registration is required.

PERMACULTURE BASICS by the
Permaculture Guild of Houston
This class examines permaculture concepts and principles that will help you design sustainable landscapes. This is one of a six-class permaculture series that leads to a permaculture designer's certificate. It is a natural follow-up to

the introduction and is a prerequisite for the other four courses to follow. CPE credit is available.
Sunday, January 17
9:30am–5:30pm
Please bring a sack lunch.
\$87 all students



**DESIGNING OUR GREEN HOMES
& COMMUNITIES** by the
Permaculture Guild of Houston
This course begins with an informative guided tour of two energy efficient green homes. CPE credit is available.
Saturday, January 30
9:30am–5:00pm
Sunday, January 31
1:00–5:00pm (location TBA)
Sunday, February 14
9:30am–5:00pm
Sunday, February 28
9:30am–5:00pm
(at Animal Farm)

There are more classes continued
on the back cover.

For more information, or to join,
donate or volunteer, please call
713.880.5540 or visit
www.urbanharvest.org.



Urban Harvest

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The Urban Harvest newsletter, Growing Season, is generously underwritten in memory of Jake Hershey who believed strongly that environmental education and knowledge are key to a better life for all.



Winter Classes

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DESIGNING OUR GREEN HOMES & COMMUNITIES (continued)

Sunday, March 7

9:30am–5:00pm

Pre-registration is required.

\$240 members

\$349 non-members

Bring lunch to the classes at Urban Harvest.

Pre-registration is required.

GRAFTING FRUIT TREES

by Bonnie Childers

Learn several grafting techniques so you will be able to graft any type tree. In this class, each student will graft a citrus to take home. CPE credit is available.

Saturday, March 6, 9:30am–noon

Saturday, March 6, 12:30–3:00pm

\$57 members, \$68 non-members includes \$10 for the grafting root stock and scion materials & \$22 for cleft grafting and budding knife. You need to sign up at least 14 days before the class.

BUILDING THE HOME FRUIT & VEGETABLE GARDEN

by Gary Edmondson

This class is for anyone who wants to build a vegetable or fruit garden at their home.

Thursday, February 18,

6:30–9:30pm

\$22 members, \$33 non-members

PLANNING THE SPRING & SUMMER GARDEN

by Diana Liga & Ray Sher

Learn what varieties to

plant and when, soil prep, seed germination and transplanting.

Tuesday, February 16

6:30–9:00pm

\$22 members, \$33 non-members

SELLING AT A FARMERS MARKET

by Jim Bundscho and Ray Sher

This class provides information on the techniques of market gardening. Preregistration by the preceding Thursday is required.

Monday, January 25

4:00–6:00pm (Sher)

Monday, February 22

4:00–6:00pm (Bundscho)

\$22 members, \$33 non-members

PROPAGATE YOUR OWN PLANTS

by Jean Fefer, Ph.D.

Topics include the proper storage of seeds, seed dormancy, and methods of sprouting hard-to-sprout seeds. There will also be a hands-on workshop on propagation by cuttings. Bring a pair of small pruning shears.

Saturday, February 13

9:30am–12:30pm

\$22 members, \$33 non-members

If you would like for any of our classes to be taught at your site, call Gary Edmondson 713.880.5540 to set up times. A class must be scheduled a month in advance.