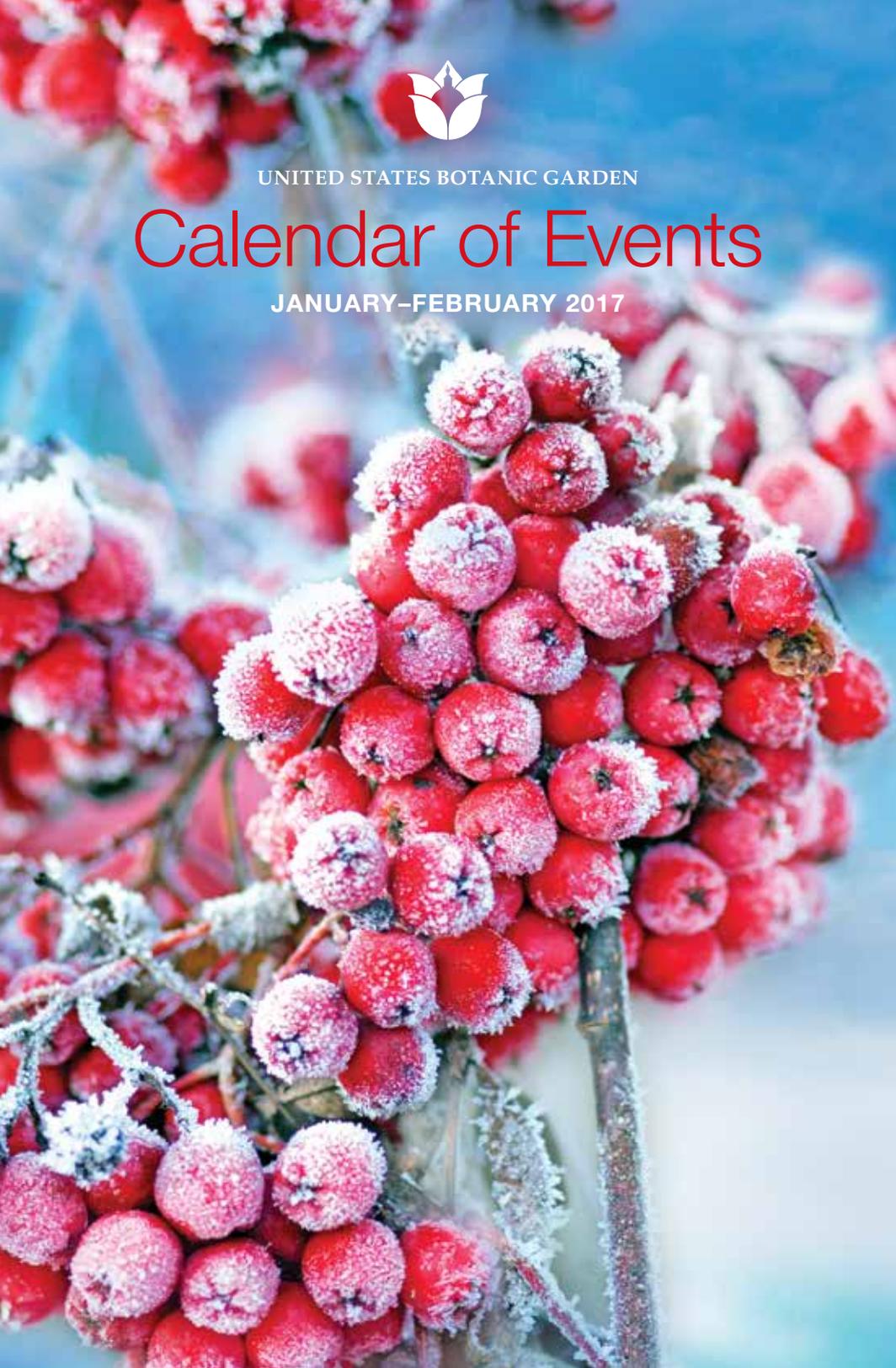




UNITED STATES BOTANIC GARDEN

# Calendar of Events

JANUARY–FEBRUARY 2017



# The United States Botanic Garden

**The United States Botanic Garden** (USBG) is a living plant museum. It is open daily from 10 a.m. to 5 p.m., free of charge. Exhibits interpret the role of plants in supporting earth's diverse and fragile ecosystems and in enriching human life. Established by Congress in 1820, the U.S. Botanic Garden is one of the oldest botanic gardens in North America. The Garden has been administered through the Architect of the Capitol since 1934. It is a museum accredited by the American Alliance of Museums.

The U.S. Botanic Garden **Conservatory** is located on the National Mall at the intersection of Maryland Avenue and First Street SW, adjacent to the U.S. Capitol. The address is 100 Maryland Avenue SW, Washington, DC 20001.

The **Conservatory** houses permanent collections of plants from subtropical, tropical, Mediterranean and arid regions, and showcases orchids, medicinal, economic, endangered, and Jurassic plants. From late May to mid-October, the Conservatory terrace and the East Gallery feature thematic displays and exhibits.

The **National Garden** is adjacent to the Conservatory. It features the Regional Garden, Rose Garden, First Ladies Water Garden, Butterfly Garden, and Amphitheater.

A showcase of beautiful, sustainable, and accessible landscape design, **Bartholdi Park** was renovated in 2016 using the principles of the Sustainable Sites Initiative™. The accessible garden design features native plants, water-conserving rain gardens, wildlife habitat, greater accessibility, and Bartholdi's historic *Fountain of Light and Water*.

**Parking** is not available at the U.S. Botanic Garden on weekdays. It is accessible by **public transportation**. The Federal Center SW Station on the Orange, Blue and Silver Lines of Metrorail is at Third and D Streets SW, four blocks from the USBG. Metrobuses 32, 34, and 36 stop at Independence Avenue and First Street SW, between the Conservatory and Bartholdi Park. The DC Circulator Bus (National Mall route) stops across the street from the Conservatory on 3<sup>rd</sup> Street.

Free 45-minute highlight **tours** of the U.S. Botanic Garden Conservatory may be available on the day of your visit. Groups of 10 to 25 adults may reserve a tour of the Conservatory Monday through Friday by calling (202) 226-2055 at least four weeks in advance.

The USBG strives to make its facilities and programs **accessible** to all visitors. Wheelchairs, Visitor Guides in braille and large print formats, sign language interpretation, and hearing-aid compatible assistive listening devices for tours are all available upon request. Handicap parking is available along Maryland Avenue, SW, in front of the Conservatory.

## **Visit our website for more info and to register for programs: [www.USBG.gov/Programs](http://www.USBG.gov/Programs) For More Information**

General Information & Accessibility at the USBG: 202-225-8333

Register for Programs: 202-225-1116

Request Tours: 202-226-2055

Plant Hotline: 202-226-4785

Volunteer Opportunities: 202-226-1047

Media Inquiries: 202-226-4145

National Fund for the USBG: 202-225-1281 (or see pg. 51)

cover image: *Sorbus aucuparia*

# AT A GLANCE

Programs are listed by starting date.

DATE	TIME	TITLE	PAGE
<b>JANUARY</b>			
4	10:30 a.m.	Children's Program: Sprouts	12
4	12:00 p.m.	Tour: Highlights of the Conservatory Collection	13
4	1:30 p.m.	Children's Program: Sprouts	12
4	2:00 p.m.	Tour: Highlights of the Conservatory Collection	13
5	10:30 a.m.	Parent & Child Program: Snugglers	14
5	10:30 a.m.	Tour: Highlights of the Conservatory Collection	13
5	2:00 p.m.	Tour: Highlights of the Conservatory Collection	13
6	10:30 a.m.	Children's Program: The Power of Plants and Music!	14
6	10:30 a.m.	Tour: Highlights of the Conservatory Collection	13
6	12:00 p.m.	Tour: Highlights of the Conservatory Collection	13
8	2:00 p.m.	Children's Program: Scout Day	15
9	10:30 a.m.	Tour: Highlights of the Conservatory Collection	13
9	12:00 p.m.	Tour: Highlights of the Conservatory Collection	13
9	2:00 p.m.	Tour: Highlights of the Conservatory Collection	13
10	10:30 a.m.	Children's Program: Seedlings	15
10	12:00 p.m.	Tour: Highlights of the Conservatory Collection	13
10	2:00 p.m.	Tour: Highlights of the Conservatory Collection	13
11	12:00 p.m.	Tour: Highlights of the Conservatory Collection	13
11	2:00 p.m.	Tour: Highlights of the Conservatory Collection	13
12	10:30 a.m.	Parent & Child Program: Snugglers	14
12	10:30 a.m.	Tour: Highlights of the Conservatory Collection	13
12	12:00 p.m.	Cooking Demonstration: Snow Under Snow	16
12	12:15 p.m.	Tour: Nature in Motion	16
12	12:50 p.m.	Cooking Demonstration: Snow Under Snow	16
12	2:00 p.m.	Tour: Highlights of the Conservatory Collection	13
13	10:30 a.m.	Tour: Highlights of the Conservatory Collection	13
13	12:00 p.m.	Tour: Marvelous Morphology	17
13	12:00 p.m.	Tour: Highlights of the Conservatory Collection	13
14	10:30 a.m.	Lecture: Rock Gardening: Reimagining a Classic Style	17
16	10:30 a.m.	Lecture: Sugar: History, Botany, Production, and Processing	18

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## AT A GLANCE

DATE	TIME	TITLE	PAGE
17	12:00 p.m.	Tour: Highlights of the Conservatory Collection	13
17	2:00 p.m.	Tour: Highlights of the Conservatory Collection	13

**Due to the 58th Presidential Inauguration, the U.S. Botanic Garden will be closed January 18–21, 2017. We will reopen at 10 a.m. on January 22.**

23	10:30 a.m.	Tour: Highlights of the Conservatory Collection	13
23	12:00 p.m.	Tour: Highlights of the Conservatory Collection	13
23	2:00 p.m.	Tour: Highlights of the Conservatory Collection	13
24	12:00 p.m.	Tour: Highlights of the Conservatory Collection	13
24	2:00 p.m.	Tour: Highlights of the Conservatory Collection	13
25	10:30 a.m.	Tour: Backstage Pass: The USBG Production Facility	18
25	12:00 p.m.	Tour: Highlights of the Conservatory Collection	13
25	2:00 p.m.	Tour: Highlights of the Conservatory Collection	13
26	10:30 a.m.	Parent & Child Program: Snugglers	14
26	10:30 a.m.	Tour: Behind the Scenes at the USBG Production Facility	19
26	10:30 a.m.	Tour: Highlights of the Conservatory Collection	13
26	11:00 a.m.	Tour: Travel the Tropics	19
26	12:00 p.m.	Cooking Demonstration: Snow Under Snow	16
26	12:15 p.m.	Tour: Nature in Motion	16
26	12:50 p.m.	Cooking Demonstration: Snow Under Snow	16
26	2:00 p.m.	Tour: Highlights of the Conservatory Collection	13
27	10:30 a.m.	Tour: Highlights of the Conservatory Collection	13
27	12:00 p.m.	Tour: Highlights of the Conservatory Collection	13
28	9:00 a.m.	Art Workshop: Plants & the Fibonacci Sequence	20
30	10:30 a.m.	Tour: Highlights of the Conservatory Collection	13
30	12:00 p.m.	Tour: Highlights of the Conservatory Collection	13
30	2:00 p.m.	Tour: Highlights of the Conservatory Collection	13
31	12:00 p.m.	Tour: Highlights of the Conservatory Collection	13
31	2:00 p.m.	Tour: Highlights of the Conservatory Collection	13

### FEBRUARY

1	10:30 a.m.	Children's Program: Sprouts	20
1	12:00 p.m.	Tour: Highlights of the Conservatory Collection	21
1	1:30 p.m.	Children's Program: Sprouts	20
1	2:00 p.m.	Tour: Highlights of the Conservatory Collection	21

DATE	TIME	TITLE	PAGE
2	10:30 a.m.	Parent & Child Program: Snugglers	24
2	10:30 a.m.	Tour: Highlights of the Conservatory Collection	21
2	2:00 p.m.	Tour: Highlights of the Conservatory Collection	21
3	10:30 a.m.	Tour: Highlights of the Conservatory Collection	21
3	12:00 p.m.	Lecture: Magnolias for the Home Landscape	24
3	12:00 p.m.	Tour: Highlights of the Conservatory Collection	21
4	10:30 a.m.	Lecture: Bananas: Botany, History, Agriculture, and Future	25
5	1:00 p.m.	Workshop: Slow Looking: Drawing as Contemplative Practice	25
6	10:30 a.m.	Tour: Highlights of the Conservatory Collection	21
6	12:00 p.m.	Tour: Highlights of the Conservatory Collection	21
6	2:00 p.m.	Tour: Highlights of the Conservatory Collection	21
7	10:30 a.m.	Children's Program: Seedlings	26
7	12:00 p.m.	Tour: Highlights of the Conservatory Collection	21
7	2:00 p.m.	Tour: Highlights of the Conservatory Collection	21
8	12:00 p.m.	Tour: Highlights of the Conservatory Collection	21
8	2:00 p.m.	Tour: Highlights of the Conservatory Collection	21
9	10:30 a.m.	Parent & Child Program: Snugglers	24
9	10:30 a.m.	Tour: Explore with the Executive Director	26
9	10:30 a.m.	Tour: Highlights of the Conservatory Collection	21
9	12:00 p.m.	Cooking Demonstration: Chocolate: Soup to Nuts	27
9	12:50 p.m.	Cooking Demonstration: Chocolate: Soup to Nuts	27
9	2:00 p.m.	Tour: Highlights of the Conservatory Collection	21
10	10:30 a.m.	Tour: Highlights of the Conservatory Collection	21
10	12:00 p.m.	Tour: Highlights of the Conservatory Collection	21
10	7:00 p.m.	Children's Program: Night Adventure	27
11	7:00 p.m.	Children's Program: Night Adventure	27
12	2:00 p.m.	Workshop: Making Chocolate: From Bean to Bar	28
12	3:00 p.m.	Workshop: Making Chocolate: From Bean to Bar	28
13	10:30 a.m.	Tour: Highlights of the Conservatory Collection	21
13	12:00 p.m.	Tour: Highlights of the Conservatory Collection	21
13	2:00 p.m.	Tour: Highlights of the Conservatory Collection	21
14	12:00 p.m.	Tour: Highlights of the Conservatory Collection	21
14	2:00 p.m.	Tour: Highlights of the Conservatory Collection	21
15	12:00 p.m.	Tour: Highlights of the Conservatory Collection	21

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## AT A GLANCE

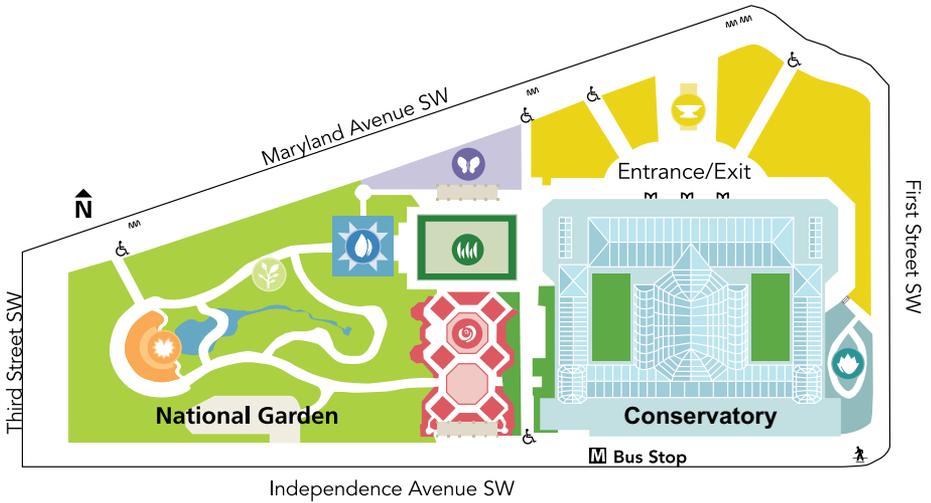
DATE	TIME	TITLE	PAGE
15	2:00 p.m.	Tour: Highlights of the Conservatory Collection	21
16	10:30 a.m.	Parent & Child Program: Snugglers	24
16	10:30 a.m.	Tour: Highlights of the Conservatory Collection	21
16	2:00 p.m.	Tour: Highlights of the Conservatory Collection	21
16	6:30 p.m.	Workshop: Plant Propagation for Beginners	28
17	10:30 a.m.	Tour: Highlights of the Conservatory Collection	21
17	12:00 p.m.	Tour: Highlights of the Conservatory Collection	21
18	10:30 a.m.	Lecture: Citrus: Botany, Chemistry, History, and Future	29
18	2:00 p.m.	Lecture: More than the "Peanut Wizard"	29
21	12:00 p.m.	Tour: Highlights of the Conservatory Collection	21
21	2:00 p.m.	Tour: Highlights of the Conservatory Collection	21
22	12:00 p.m.	Tour: Highlights of the Conservatory Collection	21
22	2:00 p.m.	Tour: Highlights of the Conservatory Collection	21
23	10:30 a.m.	Parent & Child Program: Snugglers	24
23	10:30 a.m.	Tour: Behind the Scenes at the USBG Conservatory	30
23	10:30 a.m.	Tour: Highlights of the Conservatory Collection	21
23	12:00 p.m.	Cooking Demonstration: Seasonal Soups	30
23	12:50 p.m.	Cooking Demonstration: Seasonal Soups	30
23	2:00 p.m.	Tour: Highlights of the Conservatory Collection	21
23	4:30 p.m.	Teacher Training: How Plants Work for Elementary School Teachers	31
24	10:30 a.m.	Tour: Highlights of the Conservatory Collection	21
24	12:00 p.m.	Tour: Highlights of the Conservatory Collection	21
24	7:00 p.m.	Special Event: Meet Our Botanical Illustrator	31
25	10:30 a.m.	Fitness Event: Practice with Love Yoga Gathering	32
25	11:00 a.m.	Workshop: Plants Through the Generations	32
26	9:00 a.m.	Photography Workshop: Flower Photography	33
27	10:30 a.m.	Tour: Highlights of the Conservatory Collection	21
27	12:00 p.m.	Tour: Highlights of the Conservatory Collection	21
27	2:00 p.m.	Tour: Highlights of the Conservatory Collection	21
28	12:00 p.m.	Tour: Highlights of the Conservatory Collection	21
28	2:00 p.m.	Tour: Highlights of the Conservatory Collection	21

DATE	TIME	TITLE	PAGE
<b>EARLY MARCH</b>			
2	10:30 a.m.	Parent & Child Program: Snugglers	34
4	10:00 a.m.	Tour: Winter Tree Tour of the Capitol Grounds	34
4	10:30 a.m.	Lecture: Tropical Fruits	35
4	10:30 a.m.	Fitness Event: Practice with Love Yoga Gathering	35
7	10:30 a.m.	Children's Program: Seedlings	36
8	10:30 a.m.	Children's Program: Sprouts	36
8	1:30 p.m.	Children's Program: Sprouts	36
10	12:00 p.m.	Lecture: Plants with an Attitude	37
11	10:00 a.m.	Special Event: The USBG Production Facility Open House	37
11	10:30 a.m.	Fitness Event: Practice with Love Yoga Gathering	35
24	7:00 p.m.	Special Event: Escape the Botanic Garden	38

*Helleborus niger*



# U.S. Botanic Garden



Amphitheater



Butterfly Garden



First Ladies Water Garden



Lawn Terrace



Regional Garden



Rose Garden



Rain Garden



Terrace Gardens

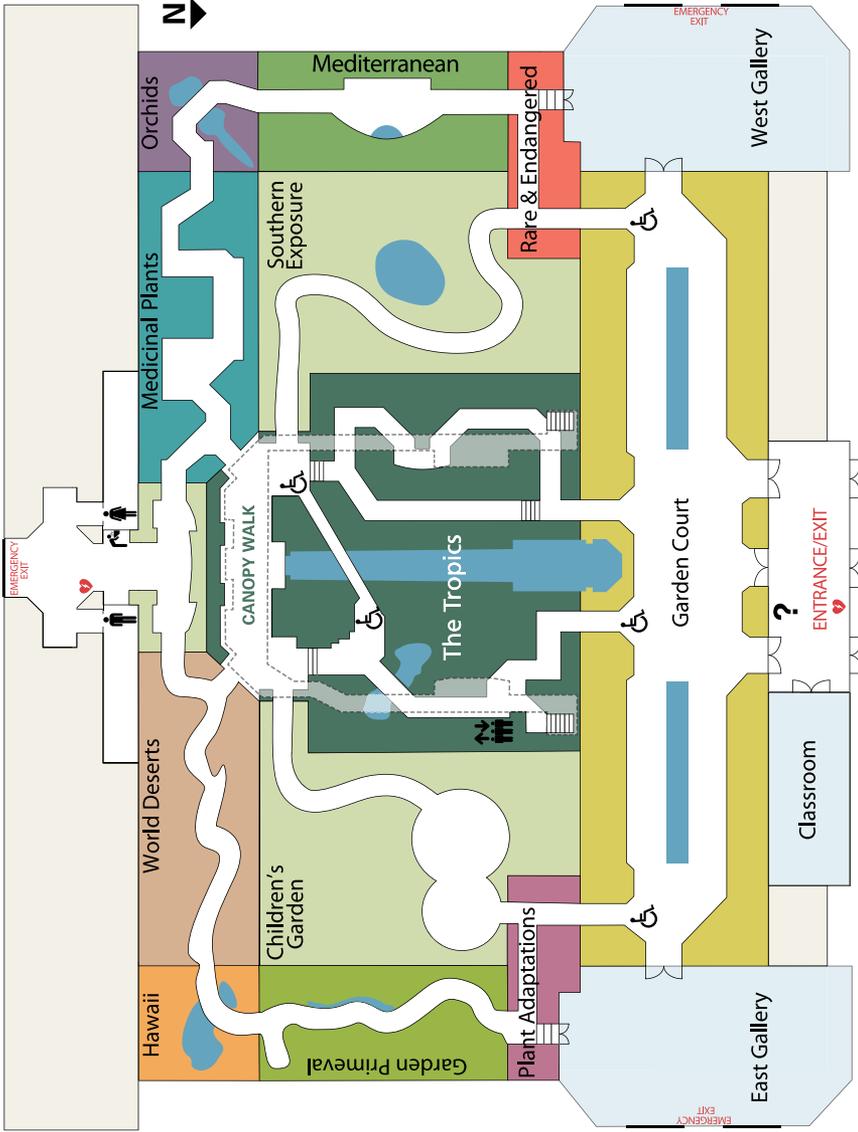


Bartholdi Fountain



-  Accessible Route
-  Bicycle Parking
-  Pedestrian Crosswalk

# Conservatory



Rest Rooms 
 Water Fountain 
 Information 
 Elevator 
 Accessible Route 
 Automated External Defibrillator (AED)

# EXHIBITS

## You Can Grow It!

**FEBRUARY 18 THROUGH OCTOBER 15**  
CONSERVATORY TERRACE AND EAST GALLERY

The world of horticulture is for everyone-- those with green thumbs and those green with envy. Growing and caring for plants might seem daunting, but this exhibit will help experienced and novice gardeners alike have more fruitful indoor and outdoor gardening experiences. Wander the Terrace and the exhibit Gallery to explore the basics of growing plants and investigate solutions for many common plant problems. Along the way, discover foolproof plants, learn about the right plant for the right place and person, and even pick up a few specialty horticulture techniques for plants requiring a little extra care. Whatever your skill level, *You Can Grow It* has something for you!



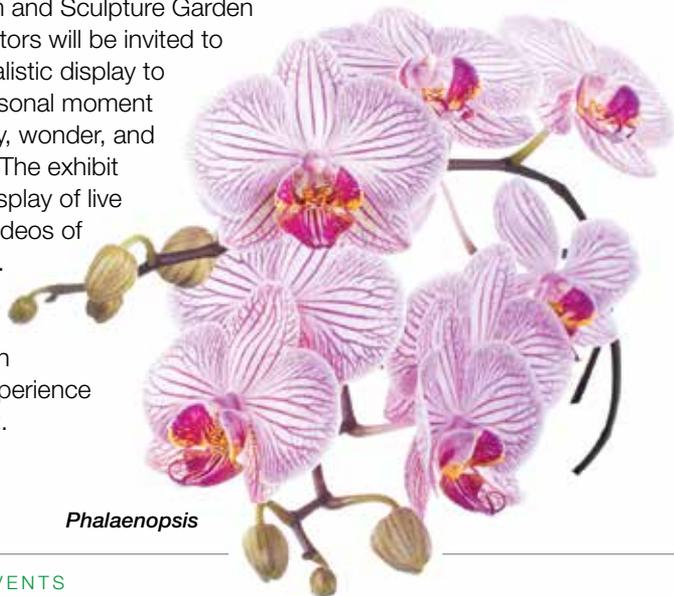
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## Orchids: A Moment

**JANUARY 14 THROUGH MAY 14**  
SMITHSONIAN'S HIRSHHORN MUSEUM

*Presented in conjunction with Smithsonian Gardens and the U.S. Botanic Garden*

The 2017 Orchid Exhibit, a collaborative effort between Smithsonian Gardens, the U.S. Botanic Garden, and Smithsonian Exhibits, will be held at the Hirshhorn Museum and Sculpture Garden for the very first time. Visitors will be invited to move through the minimalistic display to experience their own personal moment as they take in the beauty, wonder, and alluring scent of orchids. The exhibit will feature a changing display of live orchids and time-lapse videos of orchids going into bloom. Orchids, exotic and alluring, fill our senses with color and scent. Plan a visit to the exhibit to experience your own orchid moment.



*Phalaenopsis*

# CELEBRATE THE 10TH ANNIVERSARY OF THE NATIONAL GARDEN

Join in celebrating the 10th anniversary of the National Garden this winter at the USBG. A natural extension of the U.S. Botanic Garden, the three-acre National Garden highlights the amazing diversity of American plants through the Mid-Atlantic Regional Garden, Rose Garden, and Butterfly Garden. Conceived as an outdoor laboratory for gardening in harmony with natural ecosystems, the National Garden opened in fall 2006.

Explore the National Garden through historic photos and videos, and find associated programming, at [www.USBG.gov/Programs/NationalGarden10](http://www.USBG.gov/Programs/NationalGarden10)

**10<sup>th</sup>**  
Anniversary  
National Garden

Look for this icon throughout the calendar of events to find activities that celebrate the 10<sup>th</sup> Anniversary of the National Garden.



# PROGRAMS

Programs are listed by start date.



## CHILDREN'S PROGRAM

### Sprouts

*Lee Coykendall, USBG Children's Education Specialist, and Alex Torres, USBG Education Specialist*

Dig in to plants with your preschooler (ages 3-5). Join us for four weeks of art, science, and a walking adventure in our gardens as we explore the fascinating world of plants. *Please note:* Children must be accompanied by an adult. Participating children must be at least 3 years of age. The 1:30 p.m. program is a repeat of the 10:30 a.m. program.

**DATES:** Wednesdays, January 4, 11, 25

**TIME:** 10:30 a.m. to 11:30 a.m.  
or 1:30 p.m. to 2:30 p.m.

**LOCATION:** Conservatory Classroom

**FREE:** Pre-registration required,  
visit [www.USBG.gov/Programs](http://www.USBG.gov/Programs)\*

*\*Please note: Registration opens on  
Wednesday, December 7 at 10 a.m.*

**TOUR****Highlights from the Conservatory Collection***USBG Volunteer Docent*

Want to visit a jungle, desert, and tropical paradise? Want to travel back to the U.S. Exploring Expedition and the Jurassic period? Take a tour with a knowledgeable guide who will connect the exotic plant world to everyday life. You might see bananas, cacao, and coffee ripening on the tree or learn about the next big breakthrough in medicinal plant research. *Please note:* This tour is offered throughout the month on various dates at various times. See listing below for date and time options.

**MORNING TOUR****TIME:** 10:30 a.m. to 11:30 a.m.

**DATES:** Mondays, January 9, 23, 30  
 Thursdays, January 5, 12, 26  
 Fridays, January 6, 13, 27

**LUNCHTIME TOUR****TIME:** 12 p.m. to 1 p.m.

**DATES:** Mondays, January 9, 16, 30  
 Tuesdays, January 10, 17, 24, 31  
 Wednesdays, January 4, 11, 25  
 Fridays, January 6, 13, 27

**AFTERNOON TOUR****TIME:** 2 p.m. to 3 p.m.

**DATES:** Mondays, January 9, 16, 30  
 Tuesdays, January 10, 17, 24, 31  
 Wednesdays, January 4, 11, 25  
 Thursdays, January 5, 12, 26

**LOCATION:** Tours meet in the Conservatory Garden Court**FREE:** No pre-registration required

**PARENT & CHILD PROGRAM****Snugglers***USBG Volunteer Docent*

Do you have a tiny treasure in a snuggly? Looking for ways to get out of the house and learn? Join us each Thursday for a 45-minute guided tour of the Conservatory. Each week will be a different exploration. This program is designed for parents and care providers who have a tiny one in a snuggly. *Please note:* You are welcome to arrive with a stroller, however, due to our narrow paths and the nature of this program, we cannot support strollers or older siblings during the actual program.

**DATE** (choose any or all of the following): Thursdays, January 5, 12, 26

**TIME:** 10:30 a.m. to 11:30 a.m.

**LOCATION:** Conservatory Classroom

**FREE:** Pre-registration required, visit [www.USBG.gov/Programs](http://www.USBG.gov/Programs)

**CHILDREN'S PROGRAM****The Power of Plants and Music!***Musicians from the National Symphony Orchestra and USBG Staff*

Music can be magical—but did you know that it wouldn't be possible without plants? Come hear musicians from the National Symphony Orchestra perform, get an up-close look at their instruments made of wood, and hear all about the wonderful plants that help make music possible!

**DATE:** Friday, January 6

**TIME:** 10:30 a.m. to 11:30 a.m.

**LOCATION:** Conservatory Classroom

**FREE:** Pre-registration required, visit [www.USBG.gov/Programs](http://www.USBG.gov/Programs)



The duduk is made from the wood of the *Prunus armeniaca*, or apricot tree.

**YOUTH EVENT****Scout Day!**

*Lee Coykendall, USBG Children's Education Specialist,  
and Alex Torres, USBG Education Specialist*

Join us for our first ever Scout Day! Participate in hands-on activities, such as making a terrarium or dissecting a flower, while exploring the Garden and working to complete achievement requirements. Designed for boy and girl scouts, this program is fun for everyone—scout's honor! *Please note:* This program is being held inside and outside. Please dress accordingly. In the event of rain or extreme cold, the program will only occur indoors.



**DATE:** Sunday, January 8

**TIME:** 2 p.m. to 4 p.m.

**LOCATION:** Conservatory Classroom

**FREE:** Pre-registration required, visit [www.USBG.gov/Programs](http://www.USBG.gov/Programs)

**PROGRAM****Seedlings**

*Lee Coykendall, USBG Children's Education Specialist,  
and Alex Torres, USBG Education Specialist*



Join us for four weeks of hands-on plant science for our Seedlings class (ages 6–10). Each week we will explore the amazing world of plants through science, art, and scientific inquiry. *Please note:* Seedlings is designed for a more advanced level of plant science education. For the benefit of all participants, we request that only children ages 6 and up attend and participate in class activities.

**DATES:** Tuesdays, January 10, 17, 24, 31

**TIME:** 10:30 a.m. to 12 p.m.

**LOCATION:** Conservatory Classroom

**FREE:** Pre-registration required,  
visit [www.USBG.gov/Programs](http://www.USBG.gov/Programs)\*

*\*Please note: Registration opens on  
Wednesday, December 7 at 10 a.m.*

**DEMONSTRATION****Snow Under Snow**

*Adrienne Cook, Gardening and Cooking Writer, and Danielle Cook, MS, Nutritionist and Cooking Instructor*

Too often unheralded, the sometimes gnarly tubers of winter-hardy root crops peel back to reveal snowy flesh and cook up for unmatched sweetness and flavor. Intriguing and tasty, celery root, parsley root, and parsnips are legitimate candidates for the comfort food category. Join the Cook Sisters to learn more about how to select and savor these lesser gems. *Please note:* The 12:50 p.m. program is a repeat of the 12 p.m. program.



**DATES:** Thursdays, January 12 and 26

**TIME:** 12 p.m. to 12:45 p.m. and 12:50 p.m. to 1:30 p.m.

**LOCATION:** Conservatory Garden Court

**FREE:** No pre-registration required

**Nature in Motion**

*Alexandra Torres, USBG Education Specialist, and Claire Alrich, Staff, National Fund for the U.S. Botanic Garden*

Taking time to enjoy nature has been shown to reduce stress, increase productivity, and improve overall wellness. Join us on a guided nature walk of the USBG indoor gardens that explores our relationship with plants and the natural world. Throughout this tour we will intermittently stop to connect with our bodies through guided stretching and calming exercises. Themes will vary by class.

**DATES** (choose one or both of the following): Thursdays, January 12 and 26

**TIME:** 12:15 p.m. to 1 p.m.

**LOCATION:** Tour meets in the Conservatory Garden Court

**FREE:** Pre-registration required, visit [www.USBG.gov/Programs](http://www.USBG.gov/Programs)



## TOUR

## Marvelous Morphology: Stems



*Dr. Susan Pell, USBG Science and Public Programs Manager*

Ever wonder what the spots and rings on branches are or how to identify trees in winter? Join Susan as she discusses stem structures and their various functions. Learn the features of branches and twigs that help with winter tree and shrub identification. Topics such as vascular bundle scars, terminal buds, bark, and aging branches by counting their scars will be explored and explained. *Please note:* This tour may go outdoors. Please dress accordingly.

**DATE:** Friday, January 13

**TIME:** 12 p.m. to 1 p.m.

**LOCATION:** Tour meets in the Conservatory Lobby

**FREE:** Pre-registration required, visit [www.USBG.gov/Programs](http://www.USBG.gov/Programs)



## LECTURE

## Rock Gardening: Reimagining a Classic Style

*Joseph Tychoneivich, Author and Plantsman*

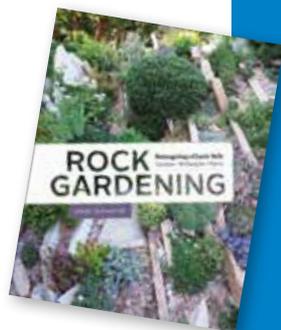
In researching his new book, *Rock Gardening: Reimagining a Classic Style*, Joseph traveled all over the U.S. and U.K. visiting and photographing rock gardens. Join Joseph as he shares some of his favorite images, ideas, and plants from his travels as he gets you excited and thinking in new directions about your own rock garden! *Please note:* This program is being offered in conjunction with the Potomac Valley Chapter of the National Rock Garden Society.

**DATE:** Saturday, January 14

**TIME:** 10:30 a.m. to 12 p.m.

**LOCATION:** Conservatory Classroom

**FREE:** Pre-registration required, visit [www.USBG.gov/Programs](http://www.USBG.gov/Programs)



## LECTURE

## Sugar: History, Botany, Production, and Processing

*Todd Brethauer, USBG Science Education Volunteer*

Discover the history, botany, production, and processing of sugarcane, sugar beets, and palm sugar. Come trace the movement of this major commodity over thousands of years as it moves from the jungle, fields, and forests to your kitchen table. See how the plant product is transformed and how it transformed countries along the way. Learn about the important roles played by Alexander the Great, Columbus, and Napoleon in sugar production and the special role of Norbert Rillieux (1806–1894), the black American engineer seen by many as the father of the chemical engineering profession.



**DATE:** Monday, January 16

**TIME:** 10:30 a.m. to 12 p.m.

**LOCATION:** Conservatory Classroom

**FREE:** Pre-registration required, visit [www.USBG.gov/Programs](http://www.USBG.gov/Programs)



## TOUR

## Backstage Pass: The U.S. Botanic Garden Production Facility

*USBG Staff*

Go behind-the-scenes on this guided highlights tour of the U.S. Botanic Garden Production Facility. Featuring almost two acres of greenhouses, this facility is the largest support facility for a public garden in the U.S. Explore unique and unusual plants from the USBG collection and witness gardeners and horticulturists in action. *Please note:* This is a working greenhouse facility. Some rooms may not be available for viewing due to horticultural need. Please wear comfortable shoes, bring water, and dress in layers, as greenhouse bays may become quite warm. Directions to the facility can be found with the online listing.

**DATE:** Wednesday, January 25

**TIME:** 10:30 a.m. to 12 p.m.

**LOCATION:** Tour will meet at the entrance to the Production Facility

**FREE:** Pre-registration required, visit [www.USBG.gov/Programs](http://www.USBG.gov/Programs)

**TOUR**

## Behind-the-Scenes at the U.S. Botanic Garden Production Facility

*Ian Donegan, USBG Facility Manager*

Join Ian and see what it takes to keep the USBG Production Facility functioning properly, from the various types of water used and ventilation needs of the Garden to the intricate steam systems and controls of the different environmental zones. Take a peek behind-the-scenes during this lively tour and experience the life of USBG Operations personnel. *Please note:* Directions to the Production Facility can be found with the online listing.

**DATE:** Thursday, January 26

**TIME:** 10:30 a.m. to 11:30 a.m.

**LOCATION:** Tour meets in the lobby of the Production Facility

**FREE:** Pre-registration required, visit [www.USBG.gov/Programs](http://www.USBG.gov/Programs)

**TOUR**

## Travel the Tropics

*Angela Weber Hetrick, USBG Gardener*

Join Angela for a talk and walk on the 'wild side' as you explore the Tropics in our Conservatory. Discover some of the many plants found on our diverse planet, from the Amazon Rainforest to the Yucatan Peninsula, as you trek through our canopy walk and view some spectacular bloomers. Come for a 45-minute tour and learn about a new plant or two!

**DATE:** Thursday, January 26

**TIME:** 11 a.m. to 11:45 a.m.

**LOCATION:** Tour meets in the Conservatory Garden Court

**FREE:** Pre-registration required, visit [www.USBG.gov/Programs](http://www.USBG.gov/Programs)





## ART WORKSHOP

### Plants and the Fibonacci Sequence

*Mary Ellen Carsley, Professional Artist/Illustrator and Visual Arts Coordinator at Severn School*

Different plants grow in a variety of predictable and measurable patterns. Understanding these patterns can develop the artistic eye and drawing skill. This course is designed for artists of all levels of experience wishing to develop their skill in recognizing mathematical and geometric patterns in both two and three dimensions to hone their observation and drawing skills. Basic-to-advanced drawing and composition skills with a variety of botanical subjects will be covered and fundamental geometric constructions and aesthetic mathematic functions will be explored. *Please note:* A materials list can be found with the online listing. Doors open at 8:45 a.m. Please bring a lunch.

**DATE:** Saturday and Sunday, January 28 and 29

**TIME:** 9 a.m. to 4:30 p.m.

**LOCATION:** Conservatory Classroom

**FREE:** Pre-registration required, visit [www.USBG.gov/Programs](http://www.USBG.gov/Programs)

## CHILDREN'S PROGRAM

### Sprouts

*Lee Coykendall, USBG Children's Education Specialist, and Alex Torres, USBG Education Specialist*

Dig in to plants with your preschooler (ages 3-5). Join us for four weeks of art, science, and a walking adventure in our gardens as we explore the fascinating world of plants. *Please note:* Children must be accompanied by an adult. Participating children must be at least 3 years of age. The 1:30 p.m. program is a repeat of the 10:30 a.m. program. February program is a repeat of the January program.

**DATES:** Wednesdays, February 1, 8, 15, 22

**TIME:** 10:30 a.m. to 11:30 a.m. or 1:30 p.m. to 2:30 p.m.

**LOCATION:** Conservatory Classroom

**FREE:** Pre-registration required, visit [www.USBG.gov/Programs](http://www.USBG.gov/Programs)\*

*\*Please note: Registration opens on Wednesday, January 4 at 10 a.m.*

**TOUR****Highlights from the Conservatory Collection***USBG Volunteer Docent*

Want to visit a jungle, desert, and tropical paradise? Want to travel back to the U.S. Exploring Expedition and the Jurassic period? Take a tour with a knowledgeable guide who will connect the exotic plant world to everyday life. You might see bananas, cacao, and coffee ripening on the tree or learn about the next big breakthrough in medicinal plant research. *Please note:* This tour is offered throughout the month on various dates at various times. See listing below for date and time options.

**MORNING TOUR****TIME:** 10:30 a.m. to 11:30 a.m.

**DATES:** Mondays, February 6, 13, 27  
 Thursdays, February 2, 9, 16, 23  
 Fridays, February 3, 10, 17, 24

**LUNCHTIME TOUR****TIME:** 12 p.m. to 1 p.m.

**DATES:** Mondays, February 6, 13, 27  
 Tuesdays, February 7, 14, 21, 28  
 Wednesdays, February 1, 8, 15, 22  
 Fridays, February 3, 10, 17, 24

**AFTERNOON TOUR****TIME:** 2 p.m. to 3 p.m.

**DATES:** Mondays, February 6, 13, 27  
 Tuesdays, February 7, 14, 21, 28  
 Wednesdays, February 1, 8, 15, 22  
 Thursdays, February 2, 9, 16, 23

**LOCATION:** Tours meet in the Conservatory Garden Court**FREE:** No pre-registration required

# BECOME A U.S. BOTANIC GARDEN VOLUNTEER!

U.S. Botanic Garden volunteers have a common sense of purpose in identifying with the Garden's mission of demonstrating the aesthetic, cultural, ecological, economic, and therapeutic importance of plants to humankind.

Volunteers are professionals, hobbyists, retirees, or employed full-time. Volunteers must be 18 years of age. Through their time at the Garden, volunteers develop new skills, explore their personal interests, and make significant contributions that enable the Garden to fulfill its mission. Volunteering is a great way to meet others and connect with the community.

If you are interested in volunteering, please contact Maura Nelson, USBG Volunteer Coordinator, at 202-226-1047 or email her at [mnelson@aoc.gov](mailto:mnelson@aoc.gov).





## PARENT &amp; CHILD PROGRAM

## Snugglers

*USBG Volunteer Docent*

Do you have a tiny treasure in a snuggly? Looking for ways to get out of the house and learn? Join us each Thursday for a 45-minute guided tour of the Conservatory. Each week will be a different exploration. This program is designed for parents and care providers who have a tiny one in a snuggly.

*Please note:* You are welcome to arrive with a stroller, however due to our narrow paths and the nature of this program, we cannot support strollers or older siblings during the actual program.

**DATE** (choose any or all of the following): Thursdays, February 2, 9, 16, 23

**TIME:** 10:30 a.m. to 11:30 a.m.

**LOCATION:** Conservatory Classroom

**FREE:** Pre-registration required, visit [www.USBG.gov/Programs](http://www.USBG.gov/Programs)



## LECTURE

## Magnolias for the Home Landscape

*Andrew Bunting, Assistant Director of the Garden and Director of Plant Collections, Chicago Botanic Garden*



*Magnolia 'Gold Crown'*



Join Andrew as he discusses the breadth of magnolias that can be cultivated in the Washington, D.C. area. He will show how magnolias can be used in the landscape and discuss their many attributes such as fragrance, flower color, evergreen types, native species, great magnolias for small spaces, and how to best grow and cultivate magnolias.

**DATE:** Friday, February 3

**TIME:** 12 p.m. to 1 p.m.

**LOCATION:** Conservatory Classroom

**FREE:** Pre-registration required, visit [www.USBG.gov/Programs](http://www.USBG.gov/Programs)



*Musa velutina*

Todd Brethauer

**LECTURE****Bananas: Botany, History, Agriculture, and Future***Todd Brethauer, USBG Science Education Volunteer*

Bananas are the most popular fruit in the world and a major food staple for hundreds of millions of people in the tropics. Join Todd as he traces the 7,000-year journey of the banana from the jungles of Southeast Asia to your breakfast table. Learn how humans have guided the development of the banana for many different uses—dessert, plantains, fiber, and beer. In the American grocery store, we see only a tiny fraction of the varieties that are grown around the world. Explore how knowledge of the genome of one of the wild ancestors of cultivated bananas helps breeders counter new fungal, bacterial, and viral diseases that threaten production.

**DATE:** Saturday, February 4**TIME:** 10:30 a.m. to 12 p.m.**LOCATION:** Conservatory Classroom**FREE:** Pre-registration required, visit [www.USBG.gov/Programs](http://www.USBG.gov/Programs)**WORKSHOP****Slow Looking: Drawing as Contemplative Practice***Mara Menahan, Botanical Illustrator*

Spend an afternoon with our botanical illustrator, slowing down and taking a closer look at the plants in our conservatory. Mara invites students to draw, breathe deeply and contemplate the incredible world of plants. This workshop is welcome to students of all artistic abilities as the benefits of nature and mindfulness are available to anyone who tries. All sketching materials are provided.

**DATE:** Sunday, February 5**TIME:** 1 p.m. to 4 p.m.**LOCATION:** Conservatory Classroom**FREE:** Pre-registration required, visit [www.USBG.gov/Programs](http://www.USBG.gov/Programs)*Coffea arabica*

## CHILDREN'S PROGRAM

### Seedlings

*Lee Coykendall, USBG Children's Education Specialist,  
and Alex Torres, USBG Education Specialist*



Join us for four weeks of hands-on plant science for our Seedlings class (ages 6–10). Each week we will explore the amazing world of plants through science, art, and scientific inquiry. Seedlings is designed for a more advanced level of plant science education. For the benefit of all participants, we request that only children ages 6 and up attend and participate in class activities. *Please note:* The February program is a repeat of the January program.

**DATES:** Tuesdays, February 7, 14, 21, 28

**TIME:** 10:30 a.m. to 12 p.m.

**LOCATION:** Conservatory Classroom

**FREE:** Pre-registration required, visit [www.USBG.gov/Programs](http://www.USBG.gov/Programs)\*

*\*Please note: Registration opens on Wednesday, January 4 at 10 a.m.*

## TOUR

### Explore with the Executive Director



*Dr. Ari Novy, USBG Executive Director*

Join USBG Executive Director Dr. Ari Novy on an expedition through the collections of the U.S. Botanic Garden. Dr. Novy will share stories of his favorite plants, the history of the institution, and the many unique treasures contained within the Garden's walls during the winter season.

**DATE:** Thursday, February 9

**TIME:** 10:30 a.m. to 12 p.m.

**LOCATION:** Tour meets in the Conservatory Garden Court

**FREE:** Pre-registration required, visit [www.USBG.gov/Programs](http://www.USBG.gov/Programs)

**DEMONSTRATION****Chocolate: Soup to Nuts**

*Adrienne Cook, Gardening and Cooking Writer, and Danielle Cook, MS, Nutritionist and Cooking Instructor*

One of the Cook Sisters' most popular programs, the all-chocolate meal is back again just in time for Valentine's Day. Learn how to incorporate chocolate into every course and sample two new recipes using chocolate. *Please note:* The 12:50 p.m. program is a repeat of the 12 p.m. program.



**DATES:** Thursday, February 9

**TIME:** 12 p.m. to 12:45 p.m. and 12:50 p.m. to 1:30 p.m.

**LOCATION:** Conservatory Garden Court

**FREE:** No pre-registration required

**CHILDREN'S PROGRAM****Night Adventure at the USBG!**

*Lee Coykendall, USBG Children's Education Specialist, and Alex Torres, USBG Education Specialist*

Ever wonder what it's like to be at the U.S. Botanic Garden late at night after the public and gardeners have gone home? A night adventure awaits you as you venture out on a flashlight tour of the Jungle, explore night-blooming flowers and night pollinators, experience the cool of the night desert, and participate in several hands-on plant science experiments. *Please note:* Participants must be between the ages of 9 and 12 and be accompanied by an adult. No adults may enroll without registered children. Parents must remain on-site during the program. Program on Saturday is a repeat of the program on Friday. Doors will open for this program at 6:45 p.m.



**DATE:** Friday, February 10

**TIME:** 7 p.m. to 9:30 p.m.

**LOCATION:** Conservatory

**FREE:** Pre-registration required, visit [www.USBG.gov/Programs](http://www.USBG.gov/Programs)

**DATE:** Saturday, February 11

**TIME:** 7 p.m. to 9:30 p.m.

**LOCATION:** Conservatory

**FREE:** Pre-registration required, visit [www.USBG.gov/Programs](http://www.USBG.gov/Programs)

**DEMONSTRATION****Making Chocolate: From Bean to Bar**

*Adam Kavalier, Founder and CEO, Undone Chocolate*

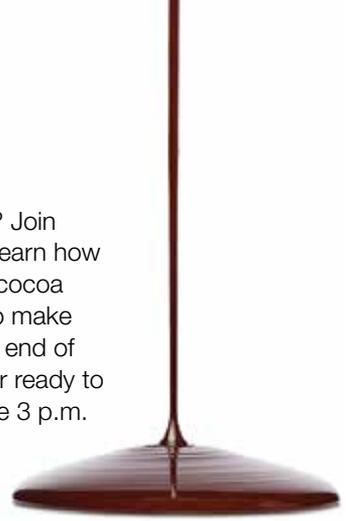
Where does chocolate come from and how is it made? Join Adam in this special pre-Valentine's Day program and learn how chocolate is made from scratch. Starting with the raw cocoa bean, Adam will guide us through the 9-step journey to make a chocolate bar using basic kitchen equipment. By the end of the program you will be a professional chocolate maker ready to return home and impress your friends! *Please note:* The 3 p.m. workshop is a repeat of the 2 p.m. workshop.

**DATE:** Sunday, February 12

**TIME:** 2 p.m. to 2:45 p.m. and 3 p.m. to 3:45 p.m.

**LOCATION:** Conservatory Classroom

**FREE:** Pre-registration required, visit [www.USBG.gov/Programs](http://www.USBG.gov/Programs)

**WORKSHOP****Plant Propagation for Beginners**

*Kenny Silveira, USBG Gardener, and Lee Coykendall, USBG Children's Education Specialist*

Come in from the cold to learn how you can increase your plant collection through propagation. Explore the many kinds of propagation and learn how to propagate your own plants through demonstrations and hands-on activities. Materials will be provided; if you have a manageable-size house plant you wish to bring in to divide, please feel free to do so.

**DATE:** Thursday, February 16

**TIME:** 6:30 p.m. to 8:30 p.m.

**LOCATION:** Conservatory Classroom

**FREE:** Pre-registration required, visit [www.USBG.gov/Programs](http://www.USBG.gov/Programs)

## LECTURE

## Citrus: Botany, Chemistry, History, and Future

Todd Brethauer, USBG Science Education Volunteer

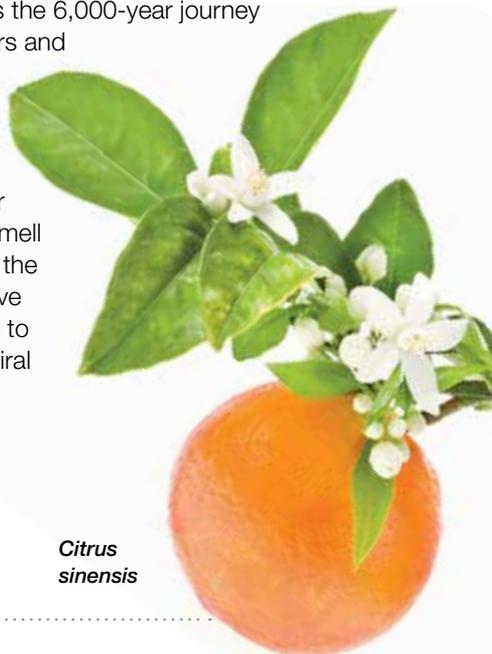
Not so long ago, citrus fruits were eaten only by the few and then only on special occasions. Now they are an important part of the healthy diet of billions of people around the world. Join Todd as he traces the 6,000-year journey of citrus out of Asia with traders, explorers and conquerors. See how the fruit has changed and how it has changed our landscape and the way we live. Explore the fascinating chemistry of oranges and lemons and how their major aroma chemicals can be so similar, yet smell so different. Learn how recent studies of the genomes of wild and cultivated citrus have expanded the tools available to breeders to help counter new fungal, bacterial, and viral diseases that threaten production.

**DATE:** Saturday, February 18

**TIME:** 10:30 a.m. to 12 p.m.

**LOCATION:** Conservatory Classroom

**FREE:** Pre-registration required, visit [www.USBG.gov/Programs](http://www.USBG.gov/Programs)



*Citrus  
sinensis*

## LECTURE

## More than the “Peanut Wizard”: The George Washington Carver We Forgot (...And Perhaps Never Knew)



*Kobinah Abdul-Salim, Ph.D., Medgar Evers College,  
City University of New York*

Although George Washington Carver is revered in history for his well-known inventions of products derived from peanuts and sweet potatoes, we are generally less aware of the true impact that his work made on American industry and commerce. In this presentation, Dr. Abdul-Salim will explore several facets of this amazing story, and will also re-introduce us to the human face of a magnificent life known to most of us in only its most fabled form.

**DATE:** Saturday, February 18

**TIME:** 2 p.m. to 3:30 p.m.

**LOCATION:** Conservatory Classroom

**FREE:** Pre-registration required, visit [www.USBG.gov/Programs](http://www.USBG.gov/Programs)

**TOUR****Behind-the-Scenes at the U.S. Botanic Garden Conservatory***Ian Donegan, USBG Facility Manager*

Join Ian and see what it takes to keep the USBG Conservatory functioning properly, from the various types of water used and ventilation needs of the Garden to the intricate steam systems and controls of the different environmental zones. Take a peek behind-the-scenes during this lively tour and experience the life of USBG Operations personnel.

**DATE:** Thursday, February 23**TIME:** 10:30 a.m. to 11:30 a.m.**LOCATION:** Tour meets in the Conservatory Garden Court**FREE:** Pre-registration required, visit [www.USBG.gov/Programs](http://www.USBG.gov/Programs)**DEMONSTRATION****Seasonal Soups***Adrienne Cook, Gardening and Cooking Writer, and  
Danielle Cook, MS, Nutritionist and Cooking Instructor*

Nothing warms winter spirits and stomachs like hot soup. The Cook Sisters will bring you two new recipes for soups filled with seasonal ingredients that can be served to start a meal or take center stage as a main course. Get ready to fill up and feel better. *Please note:* The 12:50 p.m. program is a repeat of the 12 p.m. program.

**DATE:** Thursday, February 23**TIME:** 12 p.m. to 12:45 p.m. and 12:50 p.m. to 1:30 p.m.**LOCATION:** Conservatory Garden Court**FREE:** No pre-registration required

**TEACHER TRAINING****How Plants Work for Elementary School Teachers***Lee Coykendall, USBG Children's Program Specialist*

Join Lee for a behind-the-scenes workshop and learn how to use the Garden as an extension of your classroom. This workshop is designed for elementary school teachers.

**DATE:** Thursday, February 23**TIME:** 4:30 p.m. to 7 p.m.**LOCATION:** Conservatory Classroom**FREE:** Pre-registration required, visit [www.USBG.gov/Programs](http://www.USBG.gov/Programs)**SPECIAL EVENT****Meet Our Botanical Illustrator***Mara Menahan, Botanical Illustrator*

Join us in celebrating Mara's residency at the USBG. Mara will show her work and share reflections from a year and a half of illustrating and studying at the Garden.

*Please note:* Small bites will be provided. Doors will open at 6:30 p.m.

**DATE:** Friday, February 24**TIME:** 7 p.m. to 8:30 p.m.**LOCATION:** Conservatory**FREE:** Pre-registration required, visit [www.USBG.gov/Programs](http://www.USBG.gov/Programs)*Punica granatum*

**FITNESS EVENT**

## Practice with Love Yoga Gathering: Stop and Smell the Roses

Heather Markowitz, Founder, WithLoveDC

WithLoveDC is a movement to spread love, joy, and acceptance throughout the District. The Practice With Love classes aim to create an accessible space for all people to tune into their breath while enjoying the amazing spaces around our beautiful city. WithLoveDC is thrilled to offer their free yoga gatherings at the U.S. Botanic Garden; come flow with us! *Please note:* This program is first-come, first served with limited space available. Visitors are encouraged to bring their own mats.

**DATE:** Saturday, February 25

**TIME:** 10:30 a.m. to 11:30 a.m.

**LOCATION:** Conservatory West Gallery

**FREE:** No pre-registration required

**WORKSHOP**

## Plants Through the Generations

USBG Staff

This workshop will empower “grandparents” to use the U.S. Botanic Garden to connect the younger generation to the magical world of plants. We will introduce books and activities to engage children before their Garden visit. Participants will learn about plants in each room of the Conservatory and become plant storytellers. This workshop concludes with the creation of a toolkit filled with hands-on activities to continue the plant adventures at home. *Please note:* Please bring a lunch. Adults only, please. Come back with the children later!



**DATE:** Saturday, February 25

**TIME:** 11 a.m. to 3 p.m.

**LOCATION:** Conservatory Classroom

**FREE:** Pre-registration required, visit [www.USBG.gov/Programs](http://www.USBG.gov/Programs)

**PHOTOGRAPHY WORKSHOP****Flower Photography***Joshua Taylor, Jr., Photographer*

The U.S. Botanic Garden is the perfect setting to learn, explore, and capture stunning flower images. Learn techniques to get the best images from your camera while photographing colorful and unique flowers, including thorny desert plants and colorful tropical blossoms. This workshop offers a combination of classroom instruction and shooting sessions with the instructor. The instructor will cover close-up techniques, photographing with props, light control, and visual design for impact. The workshop includes online pre-workshop instruction, an illustrated handout, and a critique/sharing of participants' images. The afternoon session will be devoted to timesaving and enhancement techniques using Lightroom, Photoshop, and Photoshop Elements. Participants' images will be used to introduce and demonstrate techniques. *Please note:* Participants should have a working knowledge of their camera. Some activities are *NOT* applicable to point-and-shoot cameras. A materials list can be found with the online listing. Doors open at 8:45 a.m. Please bring a lunch.

**DATE:** Sunday, February 26**TIME:** 9 a.m. to 4:30 p.m.**LOCATION:** Conservatory Classroom**FREE:** Pre-registration required, visit [www.USBG.gov/Programs](http://www.USBG.gov/Programs)*Strelitzia reginae*

Joshua Taylor, Jr.

# UPCOMING PROGRAMS

Mark your calendars for these programs in early March!

## PARENT & CHILD PROGRAM

### Snugglers

USBG Volunteer Docent

Do you have a tiny treasure in a snuggly? Looking for ways to get out of the house and learn? Join us each Thursday for a 45-minute guided tour of the Conservatory. Each week will be a different exploration. This program is designed for parents and care providers who have a tiny one in a snuggly. *Please note:* You are welcome to arrive with a stroller, however due to our narrow paths and the nature of this program, we cannot support strollers or older siblings during the actual program.

**DATE** (choose any or all of the following): Thursdays, March 2, 9, 16, 23, 30

**TIME:** 10:30 a.m. to 11:30 a.m.

**LOCATION:** Conservatory Classroom

**FREE:** Pre-registration required, visit [www.USBG.gov/Programs](http://www.USBG.gov/Programs)

## TOUR

### Winter Tree Tour of the Capitol Grounds



Melanie Choukas-Bradley, Author of *City of Trees*

Winter is the best time to appreciate the architecture of the historic trees gracing the U.S. Capitol grounds. Stroll around the Capitol with Melanie, admiring and learning about its magnificent trees from around the country and

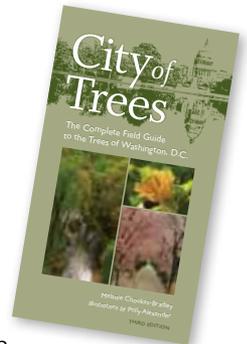
the world. Learn to identify Kentucky coffee-trees, Japanese pagoda trees, beeches, magnolias, and dogwoods during winter. Melanie will focus on the bark, buds, and overall growth habit of grand old trees, including many official state trees and memorial plantings. Giant sequoias and a massive willow oak are among the trees on the tour. Melanie will share history of the Capitol grounds and the city of Washington throughout the tour. *Please note:* This tour is held outdoors. Please come prepared to be outside in the winter weather. The tour is canceled if it rains or snows.

**DATE:** Saturday, March 4

**TIME:** 10 a.m. to 1 p.m.

**LOCATION:** Tour will meet in front of the Conservatory entrance on the Terrace

**FREE:** Pre-registration required, visit [www.USBG.gov/Programs](http://www.USBG.gov/Programs)



**LECTURE****A Tropical Fruit Salad: Papaya, Mango, Star Fruit, Soursop, and Lychee***Todd Brethauer, USBG Science Education Volunteer*

Their images and even their names conjure up fantasies of warm trade winds and beautiful sandy beaches. The flavors, textures and even the colors of papaya, mango, star fruit, soursop, and lychee are distinctive and provide treats for the senses. Come learn about the fascinating botany, production, and uses of these wonderful tropical fruits.

**DATE:** Saturday, March 4**TIME:** 10:30 a.m. to 12 p.m.**LOCATION:** Conservatory Classroom**FREE:** Pre-registration required, visit [www.USBG.gov/Programs](http://www.USBG.gov/Programs)*Carica papaya*

Todd Brethauer

**FITNESS EVENT****Practice with Love Yoga Gathering: Stop and Smell the Roses***Heather Markowitz, Founder, WithLoveDC*

WithLoveDC is a movement to spread love, joy, and acceptance throughout the District. The Practice With Love classes aim to create an accessible space for all people to tune into their breath while enjoying the amazing spaces around our beautiful city. WithLoveDC is thrilled to offer their free yoga gatherings at the U.S. Botanic Garden; come flow with us! *Please note:* This program is first-come, first served with limited space available. Visitors are encouraged to bring their own mats.

**DATES:** Saturdays, March 4, 11, 18, 25**TIME:** 10:30 a.m. to 11:30 a.m.**LOCATION:** Conservatory West Gallery**FREE:** No pre-registration required

**CHILDREN'S PROGRAM****Seedlings**

*Lee Coykendall, USBG Children's Education Specialist, and  
Alex Torres, USBG Education Specialist*

Join us for four weeks of hands-on plant science for our Seedlings class (ages 6–10). Each week we will explore the amazing world of plants through science, art, and scientific inquiry. *Please note:* Seedlings is designed for a more advanced level of plant science education. For the benefit of all participants, we request that only children ages 6 and up attend and participate in class activities.

**DATES:** Tuesdays, March 7, 14, 21, 28

**TIME:** 10:30 a.m. to 12 p.m.

**LOCATION:** Conservatory Classroom

**FREE:** Pre-registration required, visit [www.USBG.gov/Programs](http://www.USBG.gov/Programs)\*

*\*Please note: Registration opens on Wednesday, February 1 at 10 a.m.*

**CHILDREN'S PROGRAM****Sprouts**

*Lee Coykendall, USBG Children's Education Specialist,  
and Alex Torres, USBG Education Specialist*

Dig in to plants with your preschooler (ages 3-5). Join us for four weeks of art, science, and a walking adventure in our gardens as we explore the fascinating world of plants. *Please note:* Children must be accompanied by an adult. Participating children must be at least 3 years of age. The 1:30 p.m. program is a repeat of the 10:30 a.m. program.

**DATES:** Wednesdays, March 8, 15, 22, 29

**TIME:** 10:30 a.m. to 11:30 a.m. or  
1:30 p.m. to 2:30 p.m.

**LOCATION:** Conservatory Classroom

**FREE:** Pre-registration required,  
visit [www.USBG.gov/Programs](http://www.USBG.gov/Programs)\*

*\*Please note: Registration opens on  
Wednesday, February 1 at 10 a.m.*

## LECTURE

## Plants with an Attitude



*Bruce Crawford, Director Rutgers Gardens*

Within numerous cultures throughout history, there has long been a fascination for poisonous plants. Often, they served the very functional purpose of eliminating unwanted animals from home and garden or eliminating an unwanted foe! Bruce will look at a number of these very attractive and garden worthy plants and how they impart their dire consequences upon living creatures!

**DATE:** Friday, March 10

**TIME:** 12 p.m. to 1 p.m.

**LOCATION:** Conservatory Classroom

**FREE:** Pre-registration required, visit [www.USBG.gov/Programs](http://www.USBG.gov/Programs)

## SPECIAL EVENT

## U.S. Botanic Garden Production Facility Open House

*USBG Staff and Volunteers*

**\*\*Not to be Missed!\*\*** Rarely does the public get to see our growing facility, the largest greenhouse complex supporting a public garden in the United States. The site, completed in 1994, includes 85,000 square feet under glass, divided into 34 greenhouse bays and 17 environmental zones. In addition to foliage and nursery crops, you'll see all of the USBG collection not currently on display, including orchids, medicinal plants, carnivorous plants, and rare and endangered species. Register for one of the open house times to get a brief orientation to the facility, meet the gardeners, ask questions, and wander through this working wonderland of plants. *Please note:* Limit of 50 people per entry time. Light snacks and beverages will be provided. No registrations will be taken at the door. Doors open 15 minutes prior to entry time. The Open House ends at 2:30 p.m.



**DATE:** Saturday, March 11

**ENTRY TIMES:** 10 a.m., 10:30 a.m., 11 a.m., 11:30 a.m., 12:30 p.m., 1 p.m., 1:30 p.m.

**LOCATION:** USBG Production Facility (directions can be found with the online listing)

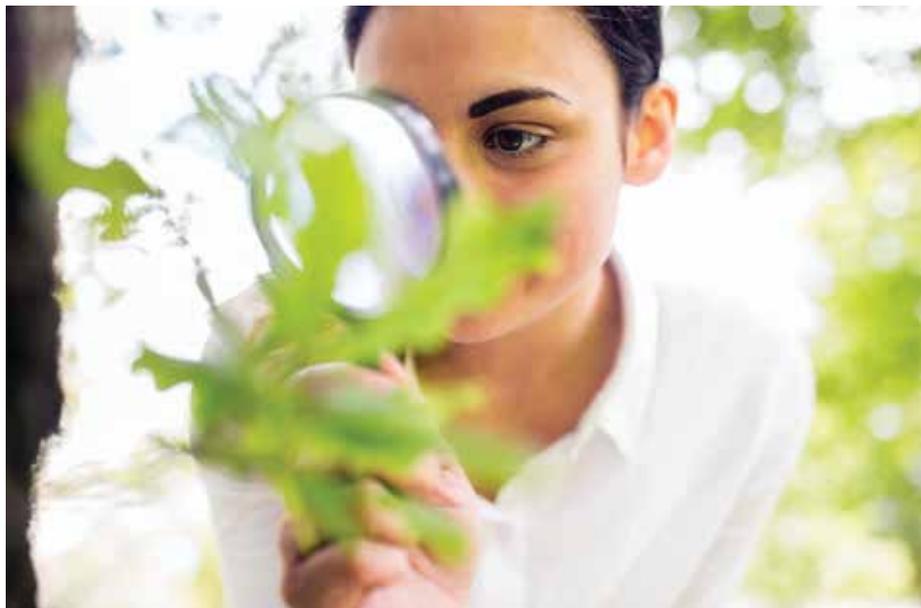
**FRIENDS:** \$5

**NON-MEMBERS:** \$10

Pre-registration required, visit [www.USBG.gov/Programs](http://www.USBG.gov/Programs)

**SPECIAL EVENT****Escape the Botanic Garden!***USBG Staff*

You are being summoned to the U.S. Botanic Garden to solve a plant forensics case! As part of a team, you will be challenged to investigate the Conservatory after dark, using exploratory stations to discover clues and information that might be key to the case. Even while enjoying the food and drink, your mission must not be shared with the others in the building as the suspect might be among us. *Please note:* This event is intended for those 21 years of age and older. Small bites and beverages will be provided. Doors will open at 6:45 p.m.

**DATE:** Friday, March 24**TIME:** 7 p.m. to 9:30 p.m.**LOCATION:** Conservatory**MEMBERS:** \$40**NON-MEMBERS:** \$45Pre-registration required, visit [www.USBG.gov/Programs](http://www.USBG.gov/Programs)

*Hamamelis virginiana*





# GARDEN TOURS ON YOUR MOBILE PHONE

Use your mobile phone to have a private tour of the gardens and plants at the United States Botanic Garden.

## PHONE CALL OPTION

1. Dial the tour number: 202-730-9303.
2. Enter the stop number on the sign.

## SMARTPHONE OPTION

1. Dial the tour number: 202-730-9303.
2. You will be sent a text message with instructions for streaming audio.

## QR CODE OPTION

Scan the QR codes on the signs with your smart phone or tablet.

### CONSERVATORY

- 1 USBG Brief History
- 10 Garden Court
- 30 Rare & Endangered Plants
- 50 Orchids
- 60 Medicinal Plants
- 70 World Deserts
- 80 Hawaii
- 90 Garden Primeval
- 100 Plant Adaptation
- 120 Children's Garden
- 130 The Tropics
- 140 Southern Exposure

### NATIONAL GARDEN

- 700 National Garden Overview
- 705 Regional Garden
- 710 Butterfly Garden
- 715 Rose Garden
- 720 Piedmont vs. Coastal Plain
- 725 Stream
- 730 Cycle of Fire
- 735 Sustainability
- 740 Amphitheater
- 745 First Ladies Water Garden
- 750 Lawn Terrace

You may hang up and redial the tour at any time. During the tour, you can control the audio by pressing 1 to rewind the recording, 2 to pause/play the recording, or press # to skip the recording.

*Normal fees apply to your call.*

# BECOME A JUNIOR BOTANIST!

Hey kids! The U.S. Botanic Garden is looking for Junior Botanists. Who are these strange green life forms among us? Since they make our lives possible, it is a good idea to get to know them! When you visit the USBG bring along an adult advisor with an official ID (such as a driver's license) and check out a Junior Botanist Adventure Field Kit. The backpack is filled with cool tools to use during your explorations. When you complete each of the Adventure Sheets you will become an Apprentice Junior Botanist. Follow up your visit to the USBG with an at-home activity, then apply to our botanist and become an official USBG Junior Botanist. Please note that completion of the Adventure Sheets usually takes an individual several visits. The program is free. *Please note:* Schools may reserve Junior Botanist on a limited basis by contacting our Children's Education Specialist at [lcoykend@aoc.gov](mailto:lcoykend@aoc.gov).

Upon successful completion of the Adventure Sheets, Junior Botanists will receive a certificate signed by our botanist, a field journal, an explorer's lens, and an invitation for a behind-the-scenes tour with our botanist.



# BECOME A FRIEND OF THE NATIONAL FUND



The National Fund for the United States Botanic Garden was initially established as a 501(c)3 in 1989 to fund and build the National Garden. The National Fund now supports the educational activities of the USBG, including the Hands On Plant Science (HOPS) summer program, the National Garden Internship, Landscape for Life, and D.C. Teachers Night.

## Partners in Education

The U.S. Botanic Garden and the National Fund for the United States Botanic Garden jointly sponsor public programs. Registration fees for programs are administered by the Fund. These fees allow the Garden to provide a range of educational programs, led by to outstanding instructors and lecturers. Please consider becoming a Friend of the National Fund to help support the U.S. Botanic Garden's many on-site educational programs and events.

## Contributions are tax-deductible. Membership benefits are listed below:

### **FRIEND** (\$75 per year)

- Complimentary admission for you and your family to the Holiday Show Preview event
- Discounted registration fees for programs sponsored by the USBG
- National Fund Newsletter
- Quarterly USBG Calendar of Events

### **JUNIOR FRIEND** (for First Friends under 40; \$150 per year)

- All benefits listed previously plus:
- Two complimentary admissions to the spring Cocktails in the Garden event

### **FIRST FRIEND** (\$250 per year)

- All benefits listed previously

### **NATIONAL FRIEND** (\$500 per year)

- All benefits listed previously plus:
- Two additional admissions (4 total) to the spring Cocktails in the Garden event

### **CAPITOL FRIEND** (\$1,000 per year)

- All benefits listed previously plus:
- Two additional admissions (6 total) to the spring Cocktails in the Garden event

To learn more visit [www.nfusbg.org/membership](http://www.nfusbg.org/membership)

## About Registration

- Class sizes are limited. Early registration is recommended.
- To register online for programs, go to the U.S. Botanic Garden website at [www.USBG.gov/Programs](http://www.USBG.gov/Programs).
- To register by mail, complete the form and send to:  
Registrar, U.S. Botanic Garden  
245 First St SW  
Washington, DC 20515
- To register by telephone with a credit card, call 202-225-1116.
- Registration fees must be paid in advance. Payment cannot be accepted at the door.
- The U.S. Botanic Garden reserves the right to substitute instructors or cancel programs when necessary.
- Registration fees will be refunded only in the case of program cancellation by the U.S. Botanic Garden.

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## National Fund Membership and USBG Program Registration Form *Please print*

Name: Mr. & Mrs./Mr./Ms./Dr. \_\_\_\_\_

Street Address \_\_\_\_\_

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

Phone Daytime \_\_\_\_\_ Evening \_\_\_\_\_

E-mail Address \_\_\_\_\_

### Please indicate (X)

- I am a current FRIEND.
- I would like to become a FRIEND: \$75
- I would like to become a JUNIOR FRIEND: For First Friends under 40; \$150 per year
- I would like to become a FIRST FRIEND: \$250
- I would like to become a NATIONAL FRIEND: \$500
- I would like to become a CAPITOL FRIEND: \$1,000
- I am not interested in membership at this time

Program Title	# of Participants	Fees
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_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

FRIEND membership \_\_\_\_\_

Total Fees \_\_\_\_\_

Make check payable to **NFUSBG** or charge to:  Visa  Mastercard  Discover

Card Number \_\_\_\_\_ Expiration Date \_\_\_\_\_

Signature \_\_\_\_\_



**United States Botanic Garden**

245 First Street, SW  
Washington, DC 20515