2009 annual benefit plant sale

UNIVERSITY OF DELAWARE, Botanic Gardens
Design for Inclusive Habitat
Distinctive gardens

RODNEY ROBINSON LANDSCAPE ARCHITECTS, Inc.
I WELCOME YOU to the seventeenth annual UDBG Plant Sale. Your continuing support has grown over the years and has allowed UDBG to further its educational mission. I always look forward to the plant sale. It is enjoyable to see many familiar faces; the excitement as they interact with the plant experts and learn about new plants, and the wonderment in children’s eyes as they explore the world of plants in a completely new way.

We have modified the preorder system. Last year, the number of preorders was great enough to overload our staff and volunteer resources. Based on this continuing growth, we have decided to limit preorders to UDBG Friends members only. Members will receive a web address to access online presale ordering and will be mailed a preorder form that can be filled out and returned. This is a great new benefit of membership. I hope those of you who have placed preorders in the past and are not Friends members, will continue your support of the gardens by joining the Friends and placing a preorder again this year.

Rather than a featured plant genus, this year we are focusing on plants that increase biodiversity. Much more than mere ornaments, these plants will contribute meaningfully to the sustainability of your landscape. They feed birds, nurture pollinators, support butterflies and caterpillars, enhance wildlife habitat, and improve the environment. Rather than buying plants simply as individuals, think of your home garden as part of the larger ecosystem in which you live. Want great fall color and shade? Consider scarlet oak which offers fabulous fall foliage and shade, plus is a significant wildlife food source. Want a plant for wet soils? Consider black willow which supports 350 species of butterflies and moths. Want beautiful flowers and colorful fruit? Consider blackhaw viburnums: the flowers are an excellent resource for insect pollinators and the fruits are high energy food for wildlife.

The new bird and butterfly icons associated with the plant descriptions provide additional guidance as to the possible benefits of individual plants. Also read the article written by Dr. Doug Tallamy for a broader view on plants and building biodiversity. Doug is an expert who recently published a bestselling book and has given many presentations on the topic. We are fortunate to have him collaborating with us in the garden and plant sale.

Dr. John Frett, Ph.D.
University of Delaware Botanic Gardens Director
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Plant Sale Preordering

The plant sale and preorder pick up are located inside the fenced-in area across from Fischer Greenhouse on the University of Delaware south campus (north of the UD football stadium, adjacent to the Blue Ice Arena). The plant sale is organized by the UDBG staff in conjunction with the UDBG Friends and countless volunteers. Preordering is only available to UDBG Friends members. You can join using the membership form on page 18.

Plant Sale Preorder Deadline, Wed., April 8, 2009

A hard copy of the order form and a link to the online form will be mailed to UDBG Friends members via postal and email addresses. All preorders must be entered via the web or mailed to the address listed on the form with enclosed payment.

Preorders may be picked up in the preorder pick up area on Friday, April 24, 8:00–11:30 am during UDBG Friends members-only admission or during general admission on Friday, April 24, 4:00–7:00 pm, and Saturday, April 25, 9:30 am–4:00 pm. Additional plants may be purchased during these times.

Preorders are processed in the order received.

To ensure that you receive what you want, we encourage you to send your order in early. Orders cannot be shipped. We encourage members to pick up their preorders and/or purchase plants during members-only time. Credit cards will be accepted at the sale. Orders exceeding $350 will receive a FREE 1 gallon *Daphniphyllum macropodum*. (Limit one plant per customer)

Catalog on the Web

The plant sale catalog is available on the Web at:

http://ag.udel.edu/udbg/events/annualsale.html

Members may also place preorders online (see above) or by using order forms mailed to their home addresses.

Benefits of membership in the UDBG Friends

The UDBG Friends' members-only admission to the sale will be Friday morning from 8:00–11:30 am. *Those who join for the first time will receive a free 1 gallon plant*. To join, refer to the membership form in this catalog on p. 18, or call (302) 831-0153.
Why We Need Native Plants?

Doug Tallamy, Ph.D.

There is movement afoot. Homeowners across America are taking conservation into their own hands by sharing their yards and gardens with our native plants and animals. Rather than destroying natural food webs to landscape our homes and businesses, we are learning how to use our landscapes to bring nature into our everyday lives. Just in time, we are starting to garden as if life depended on it . . . and we are doing it with native plants.

For the past century we have been painting an American landscape with plants chosen for their beauty rather than their ecological function. Our canvas has been our yards, our parks, our roadsides, and the landscapes owned by our employers. We have been unimaginably successful. In 54% of the U.S., we have transformed the natural world into a suburban/urban savannah in which our North American food webs have collapsed. The impact on our wildlife — our insects, amphibians, mammals, and birds — has been devastating. Scientists now estimate that 33,000 species of plants and animals in the U.S. are on the brink of extinction: no longer common enough to perform their roles in the ecosystems that sustain us.

How has this happened? Easily: we have forgotten why we need plants. It is plants — and plants alone — that transform energy from the sun into simple sugars and carbohydrates, the food that keeps all animals on the planet, including humans, alive every day. We have forgotton that it is plants that supply water and homes for most animals. So when we bulldoze forests to make way for our lawns and sparsely planted developments, we are hugely reducing the carrying capacity — the ability of the land to support life.

Why don’t our ornamental gardens support more life? Because we have selected plants less suited to keeping our North American animals alive.
No plant wants to be eaten. Over immense periods of time, plants have developed the ability to produce nasty-tasting chemicals, which they store in their leaves. This strategy of defense is very effective; most animals that eat plants cannot digest the defensive chemicals produced by most plants. Yet, over equally long periods of time, each herbivorous animal species has “learned” how to circumvent the chemical defenses of a particular plant lineage. That is, herbivores have become specialists that rely exclusively on the few plants they can detoxify for food and water.

One of the traits we have valued most in landscape plants is their ability to be “pest free.” We quickly learned that plants that evolved on other continents meet this criterion well, because our animals, particularly our insects, have not had the time to evolve the ability to break their chemical defenses. And so most of our landscape plants are indeed pest-free; they capture energy from the sun, but are less able to pass it on to our local wildlife. The food created by our ornamental plants remains locked in their leaves and our food webs are shattered.

We now know better. More and more homeowners are rebuilding natural food webs in their gardens with the native plants our wildlife need most. We needn’t worry that natives will become defoliated; a diverse planting of natives supports a diverse community of herbivores that, in turn, becomes food for a diverse community of natural enemies, including the birds we would like so much to see in our gardens. Studies have shown that there is no more leaf damage in a garden of native plants than in a garden of non-native plants that are “pest free,” yet the native gardens are full of life.

The University of Delaware Botanic Gardens is leading the way in ecological gardens. Visit our new Lepidoptera Trail, part of the Native Plant Garden to see milkweeds, turtleheads, asters, viburnums, eupatoriums, violets, and rudbeckias in action as they serve as host plants for a variety of moths and butterflies and their larval stages. Watch the buttonbush, oaks, winterberry and willows in our new Wetland Garden raise the carrying capacity of a degraded pasture as they filter nitrogen from the waste water of our dairy herd. Don’t miss the large selection of native plants in this year’s UDBG Spring Plant Sale to help you transform your own yard into a safe haven for our birds and the insects they eat.

Douglas W. Tallamy is Professor and Chair of the Department of Entomology and Wildlife Ecology at the University of Delaware in Newark, Delaware. Chief among his research goals is to better understand the many ways insects interact with plants and how such interactions determine the diversity of animal communities.
**Trees**

_Acer griseum_ Paperbark Maple 20-35'  ○  ○  15 g, 6'  $165

This slow growing tree has exquisite peeling brown bark and red fall color. A long-time favorite of plant enthusiasts and a Pennsylvania Horticultural Society Gold Medal Plant Award winner.

_Acer japonicum_ ‘Green Cascade’ Fullmoon Maple 4-5'  ○  ○  3 g, 1-2'  $35

Deeply cut leaves on a mounded plant create the impression of a cascading waterfall. The delicate texture is enhanced by the brilliant orange and red fall color.

_Acer palmatum_ ‘Chishio Improved’ Japanese Maple 8-10'  ○  ○  1 g, 1-2'  $35

Brilliant crimson foliage emerging in the spring steals the show. The leaves change to green in the summer, and in the fall, turn a spectacular orange red.

_Acer rubrum_ ‘Sun Valley’ Red Maple 40-60'  ○○○○  1 g, 2-3'  $15

Sun Valley was selected at the U.S. National Arboretum for its brilliant red fall foliage and leafopper resistance. All red maples, it thrives in wet and compacted soils frequently found in home landscapes. N

_Acer saccharum_ Sugar Maple 60-75'  ○○○○  3 g, 4-6'  $30

Sugar maple is renowned for outstanding yellow and orange fall color throughout the eastern U.S. This genus also hosts 258 species of Lepidoptera. N

_Altis serrulata_ Hazel Alder 18-20'  ○  ○  1 g, 1-2'  $15

Alder rarely occur outside of wetlands in the wild although show much broader adaptability in the landscape. Additionally, they add nitrogen to the soil and support over 160 species of Lepidoptera. N

_Betula lenta_ Sweet Birch 40-50'  ○○○○  2 g, 2-4'  $20

Known for its resistance to many of the damaging insects that plague other birches, sweet birch also supports nearly 240 different Lepidoptera. Plants also have a smooth cherry-like bark and clear yellow fall color.

_Carpinus betulus_ ‘Fastigiata’ European Hornbeam 30'  ○○○○○  2 g, 3-4'  $25

Akin to our native, this European counterpart has a distinctly upright habit, lending formality to the landscape.

_Carpinus caroliniana_ American Hornbeam 20-30'  ○○○○  3 g, 4-6'  $25

A common understorey tree in our local woodlands which often turns bright red and orange in the fall. The handsome smooth grey bark reminds you of a beech and like beech its fruits serve to their long 2-3 inch spines. N

_Celtis occidentalis_ Common Hackberry 60-80'  ○○○○○  1 g, 1-2'  $15

Often maligned, this plant lacks in ornamentation it more than makes up for in durability. It is often identified by the unique wart-like protuberances on the bark. Sweet fruits are very tasty as well. N

_Cercidiphyllum japonicum_ ‘Amazing Grace’ Japanese Katsura 15-25'  ○○○○  15 g, 5-7'  $120

The distinctive pendulous habit creates a graceful accent in the garden. Young leaves emerge reddish-purple, turn blue-green during summer, and finally orange-yellow in fall, fall foliage has lovely fragrance too.

_Claudis kentuckea_ American Yellowwood 30-50'  ○○○○○  1 g, 1-2'  $15

A true star in the garden with a heavenly fragrance. The nearly 12-inch long terminal white clusters provide quite a display in mid May. A great small to medium sized tree for residential landscapes with clear yellow fall foliage.

_Cornus kousa_ ‘Blue Shadow’ Kousa Dogwood 15-30'  ○○○○○  7 g, 4-6'  $65

The dark blue-green foliage sets this apart from other Chinese dogwoods. It still boast large white flowers in June, deer resistance, red fall color, and cherry red fruit, which is particularly attractive to birds.

_Craeagus crugallii_ Cockspur Hawthorn 20-30'  ○○○○○  3 g, 1-4'  $20

How can you resist — white spring flowers loved by pollinators, deep red fruits eaten by birds, and bronze red to purple red fall foliage. These large shrubs also offer great cover for birds due to their long 3-3 inch spines.

_Craeagus phoenicorynchus_ Washington Hawthorn 25-30'  ○○○○○  1 g, 1-2'  $15

The white spring flowers are frequently visited by bees which assure the production of abundant glossy red fruit in the fall. Those fruit not eaten by the birds will provide display well into the winter.

_Davidia involucrata_ Dove Tree 20-30'  ○○○○○  2 g, 3-4'  $35

The 2-4 inch long pure white bracts are likened to handkerchiefs, fluttering wings, and doves. This plant is highly prized for its flowers and bracts and hard to find in the trade.

_Diospyros virginiana_ Common Persimmon 35-60'  ○○○○○  3 g, 1-2'  $20

The small white flowers in early summer are prized by pollinators and produce 1-2 inch apricot colored fruit. The fall foliage often turns purplish-red about the time the fruit is being savored by wildlife.

_Franklinia alatamaha_ Franklin Tree 10-20'  ○  ○  1 g, 1'  $15

Difficult to find in the trade, the Franklin tree is worth growing for its history alone. Named for Benjamin Franklin, this native tree is now extinct in the wild. Plants produce fragrant, 3-inch wide, magnolia-shaped white flowers in summer (sporadically into fall) which attract a variety of pollinators. Leaves turn shades of maroon to bright red in fall.

_Fraxinus americana_ White Ash 50-80'  ○○○○  7 g, 6-8'  $60

A common forest tree in the mid-Atlantic area, white ash is fast growing for quick shade, strong wood for longevity, and quite adaptable to various site conditions. The deep purple-maron color is very attractive in the fall. N

_Lagerstroemia_ Natchez ‘Crape myrtle’ 15-25'  ○○○○  15 g, 5-7'  $120

One of the best of the large crape myrtles, the cinnamon brown, mottled bark, abundant white summer flowers, and bronze-red fall color make this a real show-stopper throughout the year.

_Liquidambar acalycina_ ‘Burgundy Flush’ Chinese Sweetgum 30-50'  ○○○○  10 g, 6-7'  $65

The new foliage emerges with an extraordinary burgundy flush in the spring that rivals fall color. The flush of color continues throughout the summer with each new growth spurt before the entire tree turns a deep red in the fall.

_liquidambar styraciflua_ Tuliptree 70-90'  ○○○○○  3 g, 3-4'  $65

This is possibly the most common tree in our local forest and recognized by its towering tall, straight trunks. The late spring flowers are attractive when viewed up close and the golden yellow foliage is a true sign of fall. The fruit is a major source of food for wildlife.

_Magnolia grandiflora_ ‘Kay Parris’ Southern Magnolia 30-40'  ○○○○  7 g, 3-5'  $65

The upright habit, half as wide as tall, is distinctive and allows for planting in more confined spaces than the species. It still offers the magnificently fragrant, white summer flowers, with rich coppery “fuzz” on the back of the leaves.

_Magnolia virginiana_ Sweetbay Magnolia 25'  ○○○○○  3 g, 4-5'  $35

The lemon-scented, creamy-white flowers ornament this tree in early summer. In fall, scarlet-red berries are enjoyed by various wildlife. The upright habit and shade tolerance accounts for the extensive use of this magnolia.

_Magnolia virginiana_ ‘Henry Hicks’ 25'  ○○○○○  7 g, 4-6'  $35

Difficulty propagating this outstanding magnolia has greatly limited its availability in the nursery trade. This cultivar retains its foliage as well as or better than all other sweetbays. The upright habit, white flowers, and stunning fragrance make this an ideal choice for nearly all gardens.

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**Quick Reference for Cultural Symbols**

In order to help you select the right plant for your gardening needs, we have included the symbols below to indicate plant needs. These are broad guidelines, as plants often can withstand a wider range of conditions. Plants that prefer part shade may grow well in full sun if there is adequate soil moisture during hot, dry spells. Similarly, plants that prefer moist soils may grow well in drier sites if some shade is provided, especially midday.

**Light Recommendations**

- ○  full sun
- ○  partial sun
- ●  full shade

**Soil Moisture Recommendations**

- ○  dry soil
- ●  moist soil
- ○  wet soil

**Attract Birds, Butterflies and Caterpillars**

- ○  birds
- ○  butterflies and caterpillars

**Nativity**

- N  “N” after the plant description indicates plants are native to the Eastern United States. Cultivars of native plants are also considered native, as these are a selection from variants in the population.
### Latin Name | Common Name | Mature Size | Light | Soil | Pot Size, Plant Size | Price
--- | --- | --- | --- | --- | --- | ---
**Morus alba** 'Chaparral' | Weeping Mulberry | 18-20' | ○  | ○  | 1 g, 2' | $20
The distinctive architecture of the twisted, weeping branches is best appreciated during the winter months but this weeping form, covered with glossy green leaves, makes a striking specimen throughout the year. Fall foliage is bright yellow. Don't worry, this is a fruits form.

**Nyssa sylvatica** 'Wildfire' | Black Tupelo | 30-50' | ○  | ○  | 15 g, 6-8' | $150
The brilliant red fall color is vivid and consistent on this selection of black tupelo. Containerized plants establish reliably, since the root system is completely intact. N  

**Oxydendrum arboreum** | Sourwood | 25-30' | ○  | ○  | 1 g, 3' | $25
An elegant understory tree, sourwood produces clusters of pendulous white flowers in the early summer that attract numerous pollinators. The developing fruit turns upright and contrast with the brilliant red autumn foliage to make it seem as though the plant is still in flower in the fall. N

**Persea palustris** | Swamp Redbay | 15-20' | ○  | ○  | 1 g, 4-5' | $20
The broadleaf evergreen foliage offers a real treat during the bleak winter months and can serve as a screen or a backdrop for heavily fruited shrubs. N  

**Platanus occidentalis** | Sycamore | 60-90' | ○  | ○  | 1 g, 4-5' | $15
A large and fast-growing tree, sycamores are most often seen in parks and large-scale landscapes, and along meandering waterways with their distinctly mottled, white-tan exfoliating bark. They endure for centuries. The dangling fruits provide winter interest. Our plants are grown from seed collected locally in southeastern Pennsylvania. N

**Prunus** 'Snofozam' | Snow Fountains® Weeping Cherry | 12' | ○  | ○  | 1 g, 1-2' | $15
An abundance of white flowers in the spring accentuate strongly weeping branches on plants as wide as they are tall. The foliage turns yellow, orange, and red in the autumn.

**Quercus** | Oak | We offer several native oaks in both the black and white oak groups. Black oaks fruit more regularly, making them good food trees for wildlife, while the white oaks tend to support more bird species. The genus Quercus supports over 400 species of Lepidoptera. Below are listed the species regularly, making them good food trees for wildlife, while the white oaks tend to support more bird species. The genus Quercus supports over 400 species of Lepidoptera. Below are listed the species

- **Quercus alba** | White Oak | 50-80' | ○  | ○  | 3 g, 3-4' | $35
Possible reddish purple fall color. N  

- **Quercus bicolor** | Swamp White Oak | 50-60' | ○  | ○  | 7 g, 4-6' | $65
Typically, a golden yellow fall color. N  

- **Quercus cocinea** | Scarlet Oak | 30-40' | ○  | ○  | 3 g, 4-5' | $35
Superior to pin oak with scarlet fall color and lower branches that do not droop. N  

- **Quercus ellipsoidalis** | Northern Pin Oak | 50-60' | ○  | ○  | 3 g, 3-4' | $25
Red fall color. N  

- **Quercus incana** | Shrub Oak | 12-18' | ○  | ○  | 1 g, 1' | $15
Shrubby oak well suited to dry soil. N  

- **Quercus marilandica** | Blackjack Oak | 20-40' | ○  | ○  | 2 g, 2-3' | $15
Red fall color, very glossy foliage. N  

- **Quercus prinus** | Chestnut Oak | 60-70' | ○  | ○  | 7 g, 1' | $65
Great dry soil tolerance and potential for golden yellow fall color. N  

**Salix** | Willow

- **Salix discolor** | Pussy Willow | 8-15' | ○  | ○  | 2 g, 2-3' | $20
Shrubby plant with white catkins (pussy willow flowers) in the early spring. N  

- **Salix exigua** | Sandbar Willow | 12-20' | ○  | ○  | 1 g, 1-2' | $15
Large shrub typical of sandbars in local streams. N  

- **Salix nigra** | Black Willow | 30-50' | ○  | ○  | 1 g, 2-3' | $15
The common wild willow tree seen in natural areas. N  

- **Salix sericea** | Silky Willow | 8-15' | ○  | ○  | 1 g, 1-2' | $15
Shrubby willow typical of low, wet woodlands. Flowers before the leaves emerge in the spring. N  

**Sassafras albidum** | Common Sassafras | 30-60' | ○  | ○  | 2 g, 3-4' | $25
This is one of the best trees for fall color. Colors range from yellow to vibrant orange to fiery red. It is an early successional plant that establishes readily from containers. N  

**Ulmus rubra** | Red Elm | 40-60' | ○  | ○  | 1 g, 1-2' | $15
This early successional plant grows rapidly and provides quick shade. It will develop a slight vase-shaped habit reminiscent of American Elm. Elms support over 180 species of Lepidoptera. Our plants are grown from locally collected seed in southeastern Pennsylvania. N  

**Zelkova serrata** 'Goshiki' | Japanese Zelkova | 20-30' | ○  | ○  | 1 g, 2-3' | $25
The distinctive variegation of the foliage adds a splash of color to the summer landscape. The mottled white variegation on the otherwise green foliage does best in partial shade to avoid sunburn.

**Zelkova serrata** 'Murasubino' | Japanese Zelkova | 40-60' | ○  | ○  | 10 g, 8-9' | $65
The narrow, nearly columnar form sets this plant apart from other Zelkova. Plant as a vertical accent in the landscape. The fall foliage is yellow orange.

**CONIFERS**

**Abies balsamea** var. *planicolepis* | Balsam Fir | 45-75' | ○  | ○  | 3 g, 2-3' | $20
The short needles and crisp habit make this the most popular Christmas tree and an elegant specimen for the landscape. This variety may boast greater heat tolerance than the species. N  

**Cedrus deodara** | 'Fastigiata' | Japanese Plum Yew | 5-10' | ○  | ○  | 1 g, 1' | $15
An extraordinary substitute for traditional yews, more heat and drought tolerant and deer will not eat. The dark evergreen foliage accents the vertical stems of this selection. Plants are 1/4 - 1/2 wide as tall.

**Cedrus deodara** | 'Prostrata' | Japanese Plum Yew | 2-3' | ○  | ○  | 1 g, 1/2' | $15
The low spreading habit makes this an excellent groundcover or foundation plant. The cultural adaptability and deer proof foliage make it a necessity!  

**Chamaecyparis obtusa** | 'Nana Gracilis' | Hinoki Falsecypress | 6' | ○  | ○  | 3 g, 3' | $25
The formal, pyramidal habit and slow growth rate make this an ideal conifer where winter interest is desired. The rich green color and dense, scalloped foliage provides an intriguing focal point.

**Chamaecyparis thyoides** | Atlantic White Cedar | 40-50' | ○  | ○  | 2 g, 4-5' | $20
Native from Maine to Florida, this plant has great adaptability. The typically narrow form makes this a good choice for a screen. Dense enough to break your view but open enough to see what lies beyond. N  

**Cupressus arizonica** var. *glaabra* | 'Spine' | Arizona Cypress | 15-25' | ○  | ○  | 7 g, 4-6' | $65
Young plants are undoubtedly one of the most striking ice-blue foliaged conifers. This cultivar differs in its gracefully weeping branches which offer a striking garden architectural statement.

**Juniperus scopulorum** | 'Witchita Blue' | Colorado Rededar | 15-20' | ○  | ○  | 3 g, 3-4' | $25
A virtual blue spine in the landscape, this conifer demands attention. The very narrow habit lends itself to group plantings and screens. It is very adaptable to growing conditions. N  

**Juniperus virginiana** | Eastern Rededar | 20-30' | ○  | ○  | 2 g, 1-3' | $20
For a native plant that is readily seen in the natural landscape, this plant is rarely available in the trade. The medium green foliage bronzes in the winter months. Female plants produce attractive blue cones (~berries) and are attractive and enjoyed by wildlife. N  

**Juniperus virginiana** | 'Grey Owl' | Eastern Rededar | 3-4' | ○  | ○  | 3 g, 2-3' | $25
This is a shrubby version of the species with distinctive blue foliage. Mature plants are 3 feet tall and 6 feet wide. This is a female clone. N  

**Microbiota decussata** | Russian Arborvitae | 2-3' | ○  | ○  | 1 g, 1/2' | $15
This plant makes a handsome, spreading groundcover, especially for light shade, with purple winter foliage. Great looking when planted in drifts, where it provides a fern-like ground layer

**Pinus banksiana** | Jack Pine | 35-50' | ○  | ○  | 3 g, 3-2' | $25
A great pioneer species for sandy soils, this is a very tough pine that flourishes in poor, dry soils. N  

**Pinus echinata** | Shortleaf Pine | 60-80' | ○  | ○  | 2 g, 1-2' | $20
Another tough native pine with great adaptability. Plants can be used to provide filtered shade for shrubs planted beneath. Mature plants develop an attractive scaly, reddish brown bark. N  

**Pinus koraiensis** | Korean White Pine | 30-40' | ○  | ○  | 1 g, 1-2' | $20
The blue green foliage and elegant habit of this medium-sized pine make it the envy of conifer lovers. The graceful foliage has a soft texture and excellent winter color.

2009 SPRING PLANT SALE CATALOG WEB SITE: http://ag.udel.edu/udbg/events/annualsale.html
### Conifers

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<tr>
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<th>Common Name</th>
<th>Mature Size</th>
<th>Light</th>
<th>Soil</th>
<th>Pot Size, Plant Size</th>
<th>Price</th>
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<td>‘Juddellii’ Hemlock</td>
<td>4-7'</td>
<td>☀</td>
<td>☀</td>
<td>1 g, 1/2'</td>
<td>$15</td>
</tr>
</tbody>
</table>

### Shrubs

<table>
<thead>
<tr>
<th>Latin Name</th>
<th>Common Name</th>
<th>Mature Size</th>
<th>Light</th>
<th>Soil</th>
<th>Pot Size, Plant Size</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Amelanchier grandiflora</strong></td>
<td>‘Robin Hill’ Apple Serviceberry</td>
<td>20-30'</td>
<td>☀</td>
<td>☀</td>
<td>1 g, 2-3'</td>
<td>$20</td>
</tr>
<tr>
<td><strong>Amelanchier laevis</strong></td>
<td>Alleghany Serviceberry</td>
<td>15-25'</td>
<td>☀</td>
<td>☀</td>
<td>2 g, 3-4'</td>
<td>$20</td>
</tr>
<tr>
<td><strong>Arctostaphylos uva-ursi</strong></td>
<td>Bearberry</td>
<td>1'</td>
<td>☀</td>
<td>☀</td>
<td>1 g, 1/2'</td>
<td>$15</td>
</tr>
<tr>
<td><strong>Amelanchier canadensis</strong></td>
<td>Shadbush Serviceberry</td>
<td>6-20'</td>
<td>☀</td>
<td>☀</td>
<td>2 g, 3-4'</td>
<td>$20</td>
</tr>
<tr>
<td><strong>Amelanchier laevis</strong></td>
<td>Alleghany Serviceberry</td>
<td>15-25'</td>
<td>☀</td>
<td>☀</td>
<td>3 g, 3-4'</td>
<td>$20</td>
</tr>
</tbody>
</table>

### SHRUBS

**Abelia chinensis** | Chinese Abelia | 5-7' | ☀ | ☀ | 1g, 1' | $15 |

The compact habit is a result of its origin as a variegated sport of A. × grandiflora ‘Compacta’. The leaves are edged in silver to cream creating a plant that appears to always be in flower. The white fragrant flowers are produced throughout much of the summer and fall, a real treat for pollinators.

**Abelia × grandiflora** | ‘Confetti’ Glossy Abelia | 2-3' | ☀ | ☀ | 1g, 1' | $15 |

This cultivar is prized for the creamy-colored margins of the leaves that turn rose by the later fall months, adding color throughout the year. Combined with the fragrant white flowers during the summer and fall this plant provides tremendous food for pollinators.

**Abelia × grandiflora** | ‘Mardi Gras’ Glossy Abelia | 2-3' | ☀ | ☀ | 3 g, 2-3' | $25 |

If you like ‘Confetti’ you will love this! The same variegated foliage, flower fragrance, and flowering time but with pink-white flowers.

**Abelia xanthophyllum distichum** | ‘Roseum’ White Forsythia | 3-5' | ☀ | ☀ | 1g, 1-2' | $15 |

The ‘white forsythia’ with pale pink flowers! Flowering early in the spring, Abelia xanthophyllum is not a forsythia, but a close relative with exceptionally fragrant flowers. Flowers outside in March to April; however, bring spring inside by cutting branches to force.

**Aesculus parviflora** | Bottletbrush Buckeye | 8-12' | ☀ | ☀ | 3 g, 1-2' | $25 |

Multi-stemmed and wide spreading, this shrub is well suited for massing, and does best in shade conditions. A handsome specimen, pollinators will be lured to the candelabra-like white flowers in June, and then in the fall, the nuts will be coveted by wildlife.

**Aesculus parviflora** | ‘Humulis’ Red Buckeye | 15' | ☀ | ☀ | 1g, 1' | $20 |

This adaptable plant can be grown as a large shrub. The pure red flowers appear in late spring and contrast well against the deep green foliage. While leaves do not have any significant fall color, they are free from disease. The nuts, produced in the fall, are a good food source for many animals.

**Akebia quinata** | Shadbush Serviceberry | 6-20' | ☀ | ☀ | 2 g, 3-4' | $20 |

The suckering stems produce dense shrubs that often occur in wetlands in their native habitat. Numerous white flowers in early April entice early pollinators. Sweet, edible black fruit mature in June. Fall color typically golden yellow with red or orange tints.

**Amelanchier canadensis** | ‘Beverly Hills’ Eastern Arborvitae | 4-8' | ☀ | ☀ | 1 g, 1-2' | $15 |

Evergreen groundcovers are so valuable to the landscape and this is one of the best. The white flowers tinged with pink appear in late April to May, followed by showy red fruit in fall. Plants thrive in poor sandy soils and show good salt tolerance.

**Amelanchier × grandiflora** | ‘Robin Hill’ Apple Serviceberry | 20-30' | ☀ | ☀ | 1 g, 2-3' | $20 |

What’s not to love about this small tree! Deep pink buds opening to white flowers in April; sweet edible fruit in June; and yellow to red fall color. Add this to the smooth grey stems in the winter and you have four seasons of outstanding display!

**Akebia quinata** | ‘Beverly Hills’ Eastern Arborvitae | 4-8' | ☀ | ☀ | 1 g, 1-2' | $15 |

Culturally adaptable, A. melanocarpa is a compact plant that sucking, creating attractive masses. Clear white flowers in spring are followed by abundant black fruits that are often eaten by wildlife. Glossy foliage turns red to wine color in fall.

**Amelanchier × grandiflora** | ‘Confetti’ Glossy Abelia | 2-3' | ☀ | ☀ | 3 g, 2-3' | $25 |

Despite the common name, this plant has many appealing attributes that make it a very popular shrub. Abundant white April flowers—excellent red fall foliage color; and abundant red fruit in the fall, to be enjoyed by birds.

**Amelanchier × grandiflora** | ‘Mardi Gras’ Glossy Abelia | 2-3' | ☀ | ☀ | 3 g, 2-3' | $25 |

The tight pyramidal habit makes this a useful large screen that shows good resistance to deer browsing. Fast growth, combined with a good dark green foliage color in the winter, and you have a real winner.

**Amelanchier × grandiflora** | ‘Juddellii’ Hemlock | 4-6' | ☀ | ☀ | 1 g, 1/2' | $15 |

A slow growing, very compact form of Canadian hemlock with a broadly pyramidal habit.

**Amelanchier × grandiflora** | ‘Robin Hill’ Apple Serviceberry | 20-30' | ☀ | ☀ | 1 g, 2-3' | $20 |

What’s not to love about this small tree! Deep pink buds opening to white flowers in April; sweet edible fruit in June; and yellow to red fall color. Add this to the smooth grey stems in the winter and you have four seasons of outstanding display!

**Amelanchier × grandiflora** | ‘Mardi Gras’ Glossy Abelia | 2-3' | ☀ | ☀ | 3 g, 2-3' | $25 |

This hybrids produces double yellow flowers. Cooler temperatures foster the yellow coloration which fades to creamy white as the spring warms up. Clear, evergreen foliage is appealing throughout the year.
<table>
<thead>
<tr>
<th>Latin Name</th>
<th>Common Name</th>
<th>Mature Size</th>
<th>Light</th>
<th>Soil</th>
<th>Pot Size, Plant Size</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td><em>Pagoda Dogwood</em></td>
<td>15-25'</td>
<td>Sun</td>
<td>Average</td>
<td>Average</td>
<td>1 g, 1-2'</td>
<td>$15</td>
</tr>
<tr>
<td><em>Cornus alternifolia</em></td>
<td>Tea-ol Camellia</td>
<td>6-10'</td>
<td>Full Sun</td>
<td>Average</td>
<td>1 g, ½-1'</td>
<td>$15</td>
</tr>
<tr>
<td><em>Comptonia peregrina</em></td>
<td>'Young Lady' was selected for the precocious mauve-pink flowers produced from June through August. The white, smoke-like flower stems remain on the plant and contrast well with the red orange fall color. Cross of <em>C. obaeatus</em> and <em>C. coggyria</em>.</td>
<td>6-8'</td>
<td>1 g, ¾-1'</td>
<td>$15</td>
<td></td>
<td></td>
</tr>
<tr>
<td><em>Cephalanthus occidentalis</em></td>
<td>'Sputnik'</td>
<td>3-6'</td>
<td>Full Sun</td>
<td>Average</td>
<td>1 g, 1-2'</td>
<td>$8</td>
</tr>
<tr>
<td><em>Cercis canadensis</em></td>
<td>'Hearts of Gold'</td>
<td>15-25'</td>
<td>Sun</td>
<td>Average</td>
<td>3 g, 2-3'</td>
<td>$45</td>
</tr>
<tr>
<td><em>Cercis chinensis</em></td>
<td>'Shirobana' Chinese Redbud</td>
<td>6-10'</td>
<td>Sun</td>
<td>Average</td>
<td>1 g, 2'</td>
<td>$35</td>
</tr>
<tr>
<td><em>Cotinus coggyria</em></td>
<td>'Mt. Airy'</td>
<td>10-15'</td>
<td>Full Sun</td>
<td>Average</td>
<td>1 g, &lt;1'</td>
<td>$20</td>
</tr>
<tr>
<td><em>Cotinus cundata</em></td>
<td>'Pride of Augusta'</td>
<td>10-15'</td>
<td>Sun</td>
<td>Average</td>
<td>1 g, 2-3'</td>
<td>$20</td>
</tr>
<tr>
<td><em>Corylus americana</em></td>
<td>'Illinois Native'</td>
<td>8-10'</td>
<td>Sun</td>
<td>Average</td>
<td>3 g, 2-4'</td>
<td>$35</td>
</tr>
<tr>
<td><em>Corylus avellana</em></td>
<td>'Contorta'</td>
<td>8-10'</td>
<td>Sun</td>
<td>Average</td>
<td>1 g, 1'</td>
<td>$15</td>
</tr>
<tr>
<td><em>Cotinus</em></td>
<td>'Snow Flurry' Camellia</td>
<td>4-6'</td>
<td>Sun</td>
<td>Average</td>
<td>3 g, 2-3'</td>
<td>$30</td>
</tr>
<tr>
<td><em>Deutzia gracilis</em></td>
<td>'Nikko' Slender Deutzia</td>
<td>3 g, 1'</td>
<td>$25</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><em>Distylium racemósus</em></td>
<td>Isu Tree</td>
<td>6-10'</td>
<td>Sun</td>
<td>Average</td>
<td>3 g, 2-3'</td>
<td>$20</td>
</tr>
<tr>
<td><em>Daphne x burkwoodii</em></td>
<td>'Carol Mackie' Daphne</td>
<td>1-2'</td>
<td>Sun</td>
<td>Average</td>
<td>1 g, &lt;1'</td>
<td>$20</td>
</tr>
<tr>
<td><em>Daphne tangutica</em></td>
<td>The glossy, semi-evergreen foliage is a nice backdrop to the rose purple buds that open to fragrant white flowers with a purple throat.</td>
<td>1-2'</td>
<td>Sun</td>
<td>Average</td>
<td>1 g, &lt;1'</td>
<td>$20</td>
</tr>
<tr>
<td><em>Daphniphyllum macropodií</em></td>
<td>Japanese Japanese Akebono</td>
<td>6-10'</td>
<td>Sun</td>
<td>Average</td>
<td>1 g, 1'</td>
<td>$15</td>
</tr>
<tr>
<td><em>Deutzia gracilis</em></td>
<td>'Nikko' Slender Deutzia</td>
<td>3 g, 1'</td>
<td>$25</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><em>Edgeworthia chrysantha</em></td>
<td>Paperbush</td>
<td>3-5'</td>
<td>Sun</td>
<td>Average</td>
<td>3 g, 1-2'</td>
<td>$25</td>
</tr>
<tr>
<td><em>Eurya japonica</em></td>
<td>Paperbush</td>
<td>3-5'</td>
<td>Sun</td>
<td>Average</td>
<td>1 g, 1'</td>
<td>$15</td>
</tr>
<tr>
<td><em>Forsythia x intermedia</em></td>
<td>'Ford Freeway' Fothergilla</td>
<td>8-10'</td>
<td>Sun</td>
<td>Average</td>
<td>1 g, 2-3'</td>
<td>$15</td>
</tr>
<tr>
<td><em>Forsythia x intermedia</em></td>
<td>'Mt. Airy' Hybrid Fothergilla</td>
<td>6'</td>
<td>Sun</td>
<td>Average</td>
<td>3 g, 1-3'</td>
<td>$25</td>
</tr>
<tr>
<td><em>Fothergilla × intermedia</em></td>
<td>'Blue Shadow' Fothergilla</td>
<td>6-10'</td>
<td>Sun</td>
<td>Average</td>
<td>1 g, 1'</td>
<td>$15</td>
</tr>
<tr>
<td><em>Gelsemium sempervirens</em></td>
<td>'Pride of Augusta' Carolina Jessamine Vine</td>
<td>6-10'</td>
<td>Sun</td>
<td>Average</td>
<td>3 g, Trellis</td>
<td>$35</td>
</tr>
<tr>
<td><em>Hamamelis virginiana</em></td>
<td>Vernal Witchhazel</td>
<td>6-10'</td>
<td>Sun</td>
<td>Average</td>
<td>3 g, 2-3'</td>
<td>$20</td>
</tr>
<tr>
<td><em>Hamamelis koreana</em></td>
<td>'Mt. Airy'</td>
<td>6-10'</td>
<td>Sun</td>
<td>Average</td>
<td>3 g, 1-3'</td>
<td>$25</td>
</tr>
<tr>
<td><em>Hydrangea anomala</em></td>
<td>'Petiolaris'</td>
<td>3-4'</td>
<td>Sun</td>
<td>Average</td>
<td>1 g, 1-2'</td>
<td>$15</td>
</tr>
<tr>
<td><em>Hydrangea anomala</em></td>
<td>'Petiolaris' Hydrangea Vine</td>
<td>3 g, Trellis</td>
<td>$35</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><em>Hydrangea anomala</em></td>
<td>'Petiolaris'</td>
<td>3 g, Trellis</td>
<td>$35</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><em>Hydrangea anomala</em></td>
<td>'Petiolaris'</td>
<td>3 g, Trellis</td>
<td>$35</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

2009 SPRING PLANT SALE CATALOG WEB SITE: http://ag.udel.edu/udbg/events/annualsale.html

Note: All prices are subject to change without notice. Prices may vary depending on availability and quantity. For more information, please visit the website or contact the nursery directly.
<table>
<thead>
<tr>
<th>Latin Name</th>
<th>Common Name</th>
<th>Mature Size</th>
<th>Light</th>
<th>Soil</th>
<th>Pot Size, Plant Size</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hydrangea arborescens</td>
<td>'Hayes Starburst' Smooth Hydrangea</td>
<td>3-4'</td>
<td>⬤</td>
<td>1 g, 1'</td>
<td>$15</td>
<td></td>
</tr>
<tr>
<td>Hydrangea macrophylla</td>
<td>'Nikko Blue' Japanese Hydrangea</td>
<td>3-5'</td>
<td>⬤</td>
<td>3 g, 1-2'</td>
<td>$25</td>
<td></td>
</tr>
<tr>
<td>Hydrangea quercifolia</td>
<td>'Alice' Oakleaf Hydrangea</td>
<td>8-12'</td>
<td>⬤</td>
<td>3 g, 2-4'</td>
<td>$25</td>
<td></td>
</tr>
<tr>
<td>Ilex crenata</td>
<td>'Sikes Dwarf' Oakleaf Hydrangea</td>
<td>3-4'</td>
<td>⬤</td>
<td>3 g, 1'</td>
<td>$25</td>
<td></td>
</tr>
<tr>
<td>Hypericum calycinum</td>
<td>'Olympic' Blue Velvet™ St. John's-Wort</td>
<td>2-3'</td>
<td>⬤</td>
<td>3 g, 1-2'</td>
<td>$25</td>
<td></td>
</tr>
<tr>
<td>Ilex × attenuata</td>
<td>'Loeson Gold' Holly</td>
<td>8-12'</td>
<td>⬤</td>
<td>3 g, 1-2'</td>
<td>$25</td>
<td></td>
</tr>
<tr>
<td>Ilex crenata</td>
<td>'Chesapeake' Japanese Holly</td>
<td>6-7'</td>
<td>⬤</td>
<td>3 g, 1-2'</td>
<td>$25</td>
<td></td>
</tr>
<tr>
<td>Ilex crenata</td>
<td>'Sky Pencil' Japanese Holly</td>
<td>6-8'</td>
<td>⬤</td>
<td>3 g, 2-4'</td>
<td>$25</td>
<td></td>
</tr>
<tr>
<td>Ilex glabra</td>
<td>'Nova Scotia' Inkberry</td>
<td>2-4'</td>
<td>⬤</td>
<td>3 g, 2-3'</td>
<td>$25</td>
<td></td>
</tr>
<tr>
<td>Ilex x keboeana</td>
<td>'Ajack' Drooping Leucothoe</td>
<td>20-30'</td>
<td>⬤</td>
<td>1 g, 1'</td>
<td>$15</td>
<td></td>
</tr>
<tr>
<td>Ilex latifolia</td>
<td>Lusterleaf Holly</td>
<td>8-15'</td>
<td>⬤</td>
<td>1 g, 1'</td>
<td>$15</td>
<td></td>
</tr>
<tr>
<td>Illicium henryi</td>
<td>Henry's Anise-tree</td>
<td>4-6'</td>
<td>⬤</td>
<td>1 g, 1/2'</td>
<td>$15</td>
<td></td>
</tr>
<tr>
<td>Illicium floridanum</td>
<td>'Alba' Florida Anise-tree</td>
<td>4-6'</td>
<td>⬤</td>
<td>1 g, 1/2'</td>
<td>$15</td>
<td></td>
</tr>
<tr>
<td>Illicium floridanum</td>
<td>'Waterlily' Star Magnolia</td>
<td>25'</td>
<td>⬤</td>
<td>3 g, 3-4'</td>
<td>$25</td>
<td></td>
</tr>
<tr>
<td>Magnolia 'Non'</td>
<td>Magnolia</td>
<td>8-10'</td>
<td>⬤</td>
<td>1 g, 1/2-1'</td>
<td>$15</td>
<td></td>
</tr>
<tr>
<td>Magnolia stellata</td>
<td>'Waterlily' Star Magnolia</td>
<td>25'</td>
<td>⬤</td>
<td>3 g, 3-4'</td>
<td>$25</td>
<td></td>
</tr>
<tr>
<td>Mahonia x media</td>
<td>'Winter Sun' Mahonia</td>
<td>4-6'</td>
<td>⬤</td>
<td>3 g, 3-4'</td>
<td>$25</td>
<td></td>
</tr>
<tr>
<td>Osmanthus americanus</td>
<td>Holly Osmanthus</td>
<td>8-15'</td>
<td>⬤</td>
<td>1 g, 1/2-1'</td>
<td>$20</td>
<td></td>
</tr>
<tr>
<td>Osmanthus heterophyllus</td>
<td>Fortune's Osmanthus</td>
<td>15-20'</td>
<td>⬤</td>
<td>1 g, 2-2'</td>
<td>$25</td>
<td></td>
</tr>
<tr>
<td>Paronix suffruticosa</td>
<td>Tree Pecoy</td>
<td>2-4'</td>
<td>⬤</td>
<td>1 g, 1/2-1'</td>
<td>$15</td>
<td></td>
</tr>
<tr>
<td>Paeonia suffruticosa</td>
<td>Tree Pecoy</td>
<td>2-4'</td>
<td>⬤</td>
<td>1 g, 1/2-1'</td>
<td>$15</td>
<td></td>
</tr>
<tr>
<td>Paeonia suffruticosa</td>
<td>Tree Pecoy</td>
<td>2-4'</td>
<td>⬤</td>
<td>1 g, 1/2-1'</td>
<td>$15</td>
<td></td>
</tr>
<tr>
<td>Pithecolobium undulatum</td>
<td>'Woodlander's Ruby' Mexican Anise-tree</td>
<td>4-6'</td>
<td>⬤</td>
<td>3 g, 2-4'</td>
<td>$25</td>
<td></td>
</tr>
<tr>
<td>Prunus americana</td>
<td>American Plum</td>
<td>15-25'</td>
<td>⬤</td>
<td>2 g, 3-4'</td>
<td>$20</td>
<td></td>
</tr>
</tbody>
</table>

*Price includes planting, hardiness and care as well as easy to grow and low maintenance.*
<table>
<thead>
<tr>
<th>Latin Name</th>
<th>Common Name</th>
<th>Mature Size</th>
<th>Light</th>
<th>Soil</th>
<th>Pot Size, Plant Size</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prunus pensylvanica</td>
<td>Wild Red Cherry</td>
<td>2'–4'</td>
<td>☀☀</td>
<td>7 g</td>
<td>1–5'</td>
<td>$35</td>
</tr>
<tr>
<td>Rhododendron catawbiense</td>
<td>‘Nova Zembla’</td>
<td>6–10'</td>
<td>☀</td>
<td>3–2'</td>
<td>1–3'</td>
<td>$25</td>
</tr>
<tr>
<td>Spiraea tomentosa</td>
<td>'Ogon'</td>
<td>3–5'</td>
<td>☀</td>
<td>1–2'</td>
<td>1–2'</td>
<td>$15</td>
</tr>
<tr>
<td>Sambucus canadensis</td>
<td>Elderberry</td>
<td>5–12'</td>
<td>☀</td>
<td>3–4'</td>
<td>2–3'</td>
<td>$15</td>
</tr>
<tr>
<td>'Gro-Lo' Fragrant Sumac</td>
<td></td>
<td>1–2'</td>
<td>☀</td>
<td>1 g</td>
<td>&lt;1'</td>
<td>$8</td>
</tr>
<tr>
<td>Rhus copallina</td>
<td>Starleaf sumac</td>
<td>20–30'</td>
<td>☀</td>
<td>2 g</td>
<td>4'</td>
<td>$20</td>
</tr>
<tr>
<td>Rhus typhina</td>
<td>Staghorn Sumac</td>
<td>15–25'</td>
<td>☀</td>
<td>2 g</td>
<td>4'</td>
<td>$20</td>
</tr>
<tr>
<td>Rosa carolina</td>
<td>Carolina Rose</td>
<td>3–6'</td>
<td>☀</td>
<td>1 g</td>
<td>1–2'</td>
<td>$15</td>
</tr>
<tr>
<td>Sambucus canadensis</td>
<td>Elderberry</td>
<td>5–12'</td>
<td>☀</td>
<td>3 g</td>
<td>3–4'</td>
<td>$25</td>
</tr>
<tr>
<td>Spiraea japonica</td>
<td>Golden Elf</td>
<td>1/2–1'</td>
<td>☀</td>
<td>1 g</td>
<td>&lt;1'</td>
<td>$8</td>
</tr>
<tr>
<td>Sambucus canadensis</td>
<td>Elderberry</td>
<td>5–12'</td>
<td>☀</td>
<td>3 g</td>
<td>3–4'</td>
<td>$25</td>
</tr>
<tr>
<td>Styrax japonica</td>
<td>Golden Elf</td>
<td>1/2–1'</td>
<td>☀</td>
<td>1 g</td>
<td>&lt;1'</td>
<td>$8</td>
</tr>
<tr>
<td>Steudleria monadelpha</td>
<td>Tall Stewartia</td>
<td>20–25'</td>
<td>☀</td>
<td>1 g</td>
<td>1–2'</td>
<td>$20</td>
</tr>
<tr>
<td>Syzygium sinensis</td>
<td>Chinese Fighual</td>
<td>18–15'</td>
<td>☀</td>
<td>3 g</td>
<td>1–3'</td>
<td>$20</td>
</tr>
<tr>
<td>Syringa vulgaris</td>
<td>Prairie Petite Lilac</td>
<td>3–4'</td>
<td>☀</td>
<td>1 g</td>
<td>1–2'</td>
<td>$20</td>
</tr>
<tr>
<td>Vaccinium angustifolium</td>
<td>Lowbush Blueberry</td>
<td>1–2'</td>
<td>☀</td>
<td>1 g</td>
<td>1–2'</td>
<td>$15</td>
</tr>
</tbody>
</table>

As an early successional plant, it demonstrates fast growth and great adaptability. The white flower clusters are produced in May to June, followed by small red fruit July through August. Fall color ranges from yellow to red, adding significantly to your fall garden. N ☀ ☀

Shrubs

<table>
<thead>
<tr>
<th>Latin Name</th>
<th>Common Name</th>
<th>Mature Size</th>
<th>Light</th>
<th>Soil</th>
<th>Pot Size, Plant Size</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Viburnum × burkwoodii</td>
<td>‘Mohawk’</td>
<td>6–8'</td>
<td>☀</td>
<td>1 g</td>
<td>1–2'</td>
<td>$15</td>
</tr>
<tr>
<td>Viburnum carlesii</td>
<td>‘Diane’</td>
<td>3–4'</td>
<td>☀</td>
<td>1 g</td>
<td>1–2'</td>
<td>$15</td>
</tr>
<tr>
<td>Viburnum dentatum</td>
<td>Nervood Viburnum</td>
<td>6–8'</td>
<td>☀</td>
<td>2 g</td>
<td>2–3'</td>
<td>$15</td>
</tr>
</tbody>
</table>

A more compact selection of Burkwood viburnum, ‘Mohawk’ also has more intensely red flower buds that open to fragrant white flowers in April. The foliage can turn an attractive burgundy color in the fall and persist on the plant into the winter. N ☀ ☀

Viburnum opalus ‘Pink Harvest’ European Cranberrybush 8–12' ☀ ☀ 3 g, 1-2' $20

One of the red-fruited viburnums, the glossy fruit holds well through the winter. This selection produces red new foliage that quickly turns yellow, lasting through the summer. N ☀ ☀

Viburnum plicatum var. tomentosum ‘Mareiss’ Doubledelight Viburnum 8–10' ☀ ☀ 3 g, 3-4' $25

You cannot beat this plant for spring flower display. Showy outer ring of pure white, sterile flowers surround the non-stere, flattened-flowered cluster. The fruit is red but matures to black. Combine these with burgundy fall color and you have 3 great seasons of display. N ☀ ☀

Viburnum × pragense          | Viburnum                     | 8–10'       | ☀     | 3 g  | 1–2'                 | $20   |

Fully evergreen, glossy foliage provides a good screen during the winter months. The white flowers are mildly fragrant and open in May. N ☀ ☀

Viburnum propinquum          | Service Viburnum             | 4–6'        | ☀     | 1 g  | 1½–1'                | $20   |

The very clean, evergreen foliage is the star show of emerging with a bronzy cast, and soon turning green for the rest of the year. Creamy white flowers appear in April. An outstanding plant for winter display in foundation plantings. N ☀ ☀

Viburnum prunifolium         | Blackhaw Viburnum            | 15–20'      | ☀     | 2 g  | 2–3'                 | $20   |

Common in open fields and woodlands alike, this large shrub or small tree offers a lot. White flowers adorn the ends of the branches in May followed by clusters of fruit in late summer and fall. The fruit starts green, turning to pink, then blue, and finally purple before being consumed by wildlife. The fall foliage is a good red or burgundy. N ☀ ☀

Viburnum × rhytidophylloides ‘Allegheym’ Service Viburnum 8–10' ☀ ☀ 3 g, 2–3' $20

This hybrid has taken the best from its parent: moderate size, medium-foliage texture, and semi-evergreen nature. Creamy white flowers in May mature to red fruit in late summer before turning black. Fall color is absent as plant retains its green foliage into and somewhat through the winter. N ☀ ☀

Viburnum trilobum ‘Wentworth’ Service Viburnum 8–12' ☀ ☀ 3 g, 1–2' $20

The white, lacecap inflorescences in May are very showy and give rise to the bright red fruit in the fall. Fruit persists for some time before eventually being eaten by birds. Plants may develop a yellow or purple red fall color. N ☀ ☀

Wisteria frutescens ‘Mammoth Falls’ Service Viburnum 3 g, Trellis $35

Fragrant, 6-inch long, purple-blue racemes hang like bunches of grapes. N ☀ ☀

Wisteria macrostachya ‘Blue Moon’ Service Viburnum 3 g, Trellis $35

A native wisteria with 8 to 12-inch long, pendulous flower clusters. Fragrant, blue flowers begin in spring and continue into the summer, producing at least three flushes. N ☀ ☀

Zenobia pulverulenta ‘Woodlander’s Blue’ Service Viburnum 2–3' ☀ ☀ 3 g, 2–3' $25

A personal favorite of many a plant connoisseur. Belonging to the Heath family, with pendant, white, bell-shaped flowers in the spring. Semi-evergreen, distinctly colored blue-grey foliage turn a unique pumpkin orange color in the fall. N ☀ ☀

2009 SPRING PLANT SALE CATALOG WEB SITE: http://ag.udel.edu/udbg/events/annualsale.html
PERENNIALS

<table>
<thead>
<tr>
<th>Latin Name</th>
<th>Common Name</th>
<th>Mature Size</th>
<th>Light</th>
<th>Soil</th>
<th>Pot Size, Plant Size</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Agastache</td>
<td>'Blue Fortune'</td>
<td>Giant Hyssop</td>
<td>2-3'</td>
<td>☀️</td>
<td>1 g</td>
<td>$10</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
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<td>☀️</td>
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<tr>
<td></td>
<td></td>
<td>Whorls of delicate lavender-blue blooms complement the minty-anise aroma of the foliage. Butterflies abound during the long bloom period from summer to early fall.</td>
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<tr>
<td></td>
<td>Summer Glow</td>
<td>PPAF</td>
<td>1-5'</td>
<td>☀️</td>
<td>1 g</td>
<td>$10</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Hummingbird Mint</td>
<td></td>
<td>☀️</td>
<td></td>
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<tr>
<td></td>
<td></td>
<td>Pale flowers glow against dark calyces and bright green leaves. Hummingbirds flock to the nectar all summer long. Drought-tolerant, good drainage required.</td>
<td></td>
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<tr>
<td></td>
<td>Summer Sky</td>
<td>PPAF</td>
<td>1-5'</td>
<td>☀️</td>
<td>1 g</td>
<td>$10</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Hummingbird Mint</td>
<td></td>
<td>☀️</td>
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<tr>
<td></td>
<td></td>
<td>Glowing blue-violet flowers echo the ephemeral colors of twilight through its long summer bloom is anything but fleeting. Compact habit, attracts hummingbirds. Needs good drainage.</td>
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<tr>
<td></td>
<td>'Blue Ice'</td>
<td>Blue Star</td>
<td>1-5'</td>
<td>☀️</td>
<td>1 g</td>
<td>$9</td>
</tr>
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<td></td>
<td></td>
<td>☀️</td>
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<tr>
<td></td>
<td>'Hubrichtii'</td>
<td>Blue Star</td>
<td>2-3'</td>
<td>☀️</td>
<td>1 g</td>
<td>$9</td>
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<td></td>
<td></td>
<td>☀️</td>
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<td></td>
<td></td>
<td>Durable and drought tolerant perennial, with soft, fern-like foliage topped by blue flowers in spring and pumpkin-colored in the fall. Takes 2-3 years to fully mature.</td>
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<tr>
<td></td>
<td>latifolia 'Little Lanterns'</td>
<td>Columbine</td>
<td>10'</td>
<td>☀️</td>
<td>1 g</td>
<td>$12</td>
</tr>
<tr>
<td></td>
<td></td>
<td>☀️</td>
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<td></td>
<td></td>
<td>A diminutive form of this northeast wildflower, spring blooming, drooping, bell-shaped red and yellow flowers. Shows greater resistance to leaf miner. Foliage usually declines by midsummer and can be cut to ground.</td>
<td></td>
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<tr>
<td></td>
<td>racemosa American Spirea</td>
<td>3-5'</td>
<td>☀️</td>
<td>☀️</td>
<td>1 g</td>
<td>$12</td>
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<td></td>
<td></td>
<td>☀️</td>
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<tr>
<td></td>
<td></td>
<td>Occurring in our local woodlands, seldom planted in gardens. Elegant, with architecturally bold, deep cut leaves and greenish-white flower umbels in large spikes June-August.</td>
<td></td>
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<tr>
<td></td>
<td>arilicum Italian Arum</td>
<td>1-1.5'</td>
<td>☀️</td>
<td>☀️</td>
<td>1 g</td>
<td>$12</td>
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<tr>
<td></td>
<td></td>
<td>☀️</td>
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<tr>
<td></td>
<td></td>
<td>In fall, when everything else is winding down, silver-reined arrowhead-shaped leaves appear. In spring, the spathe flowers are followed by bright orange berries lasting into fall. Collector's plant.</td>
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<tr>
<td></td>
<td>aethusifolius</td>
<td>Goose's Beard</td>
<td>6-12&quot;</td>
<td>☀️</td>
<td>1 g</td>
<td>$10</td>
</tr>
<tr>
<td></td>
<td></td>
<td>☀️</td>
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<td></td>
<td></td>
<td>A delicate, slow-growing Korean groundcover introduced by plantsman Dick Lighty. Deep green, fern-like foliage forms the perfect backdrop for plumes of ivory flowers that arise in late spring.</td>
<td></td>
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<tr>
<td></td>
<td>canadensis Wild Ginger</td>
<td>&lt;1'</td>
<td>☀️</td>
<td>☀️</td>
<td>1 g</td>
<td>$10</td>
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<tr>
<td></td>
<td></td>
<td>☀️</td>
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<tr>
<td></td>
<td></td>
<td>Not a culinary ginger, this heart-shaped leaved groundcover can be seen in our regional woodlands where it perches rich soils. Tolerates deep shade and mixes well with almost any other shade-loving denizen.</td>
<td></td>
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</tr>
<tr>
<td></td>
<td>incarnata</td>
<td>Swamp Millwork</td>
<td>3-5'</td>
<td>☀️</td>
<td>1 qt</td>
<td>$8</td>
</tr>
<tr>
<td></td>
<td></td>
<td>☀️</td>
<td>☀️</td>
<td></td>
<td></td>
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<tr>
<td></td>
<td>tuberosa</td>
<td>Butterfly Weed</td>
<td>1-3'</td>
<td>☀️</td>
<td>1 g</td>
<td>$10</td>
</tr>
<tr>
<td></td>
<td></td>
<td>☀️</td>
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<tr>
<td></td>
<td></td>
<td>Quintessential butterfly plant with bright orange to yellow flowers occurring June - August. Be sure to provide well-drained soil. Seed pods are decorative in winter.</td>
<td></td>
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<tr>
<td></td>
<td>verticillata</td>
<td>Whirled Millwork</td>
<td>1-1.5'</td>
<td>☀️</td>
<td>1 qt</td>
<td>$8</td>
</tr>
<tr>
<td></td>
<td></td>
<td>☀️</td>
<td>☀️</td>
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<td></td>
<td></td>
<td>Swoetly-scented white flowers appear midsummer for several weeks. In autumn, needle-thin leaves turn yellow to amber, and seed capsules are decorative once they split open.</td>
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<tr>
<td></td>
<td>paniculata</td>
<td>Butterfly Weed</td>
<td>6-8&quot;</td>
<td>☀️</td>
<td>1 g</td>
<td>$10</td>
</tr>
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<td></td>
<td></td>
<td>☀️</td>
<td>☀️</td>
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<tr>
<td></td>
<td></td>
<td>(Syn: Symphyotrichum paniculatum) Statusqueas with beauty with violet-blue flowers in August-September. Naturalizes easily in moist or wet meadows, cut back by half by late June to control height or make sturdier.</td>
<td></td>
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<tr>
<td></td>
<td>paniculata</td>
<td>Butterfly Weed</td>
<td>2-2.5'</td>
<td>☀️</td>
<td>1 g</td>
<td>$10</td>
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<td></td>
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<td>☀️</td>
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<td></td>
<td></td>
<td>Lacy plumes of frothy white blooms glow in the early summer garden. Glossy, rich green, fern-like leaves provide a fine-textured background. A garden classic.</td>
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<tr>
<td></td>
<td>paniculata</td>
<td>Butterfly Weed</td>
<td>1.5-2.5'</td>
<td>☀️</td>
<td>1 g</td>
<td>$10</td>
</tr>
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<td></td>
<td></td>
<td>☀️</td>
<td>☀️</td>
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<td></td>
<td></td>
<td>A stunning selection with arching plumes of tiny pink flowers and blue- to bronze-tinted, finely-textured foliage. Blooms late spring-early summer, requires consistently moist soil.</td>
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<tr>
<td></td>
<td>felix femina</td>
<td>Lady in Red</td>
<td>1.5'</td>
<td>☀️</td>
<td>1 g</td>
<td>$9</td>
</tr>
<tr>
<td></td>
<td></td>
<td>☀️</td>
<td>☀️</td>
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<td></td>
<td></td>
<td>Lacy, upright, dark-green fronds provide a fine-textured background. A garden classic.</td>
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</tr>
<tr>
<td></td>
<td>niponicum var. pictum</td>
<td>'Regal Red' Japanese Painted Fern</td>
<td>1-1.5'</td>
<td>☀️</td>
<td>1 g</td>
<td>$10</td>
</tr>
<tr>
<td></td>
<td></td>
<td>☀️</td>
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<tr>
<td></td>
<td></td>
<td>This classy fern offers a stunning tapestry for the woodland garden, especially as a groundcover. Ruffled fronds glimmer with violet-red interiors and contrasting silver edges.</td>
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<tr>
<td></td>
<td>niponicum var. pictum</td>
<td>'Twilite Prairieblues™ False Indigo</td>
<td>4-5'</td>
<td>☀️</td>
<td>1 g</td>
<td>$12</td>
</tr>
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<td></td>
<td></td>
<td>☀️</td>
<td>☀️</td>
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<tr>
<td></td>
<td></td>
<td>Superbly-colored blooms with golden-yellow stamens and delicate blue to purple flowers. Fine for cutting. A must in the butterfly garden.</td>
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<tr>
<td></td>
<td>niponicum var. pictum</td>
<td>'Ocean's Fury' False Indigo</td>
<td>6-12&quot;</td>
<td>☀️</td>
<td>1 g</td>
<td>$12</td>
</tr>
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<td></td>
<td></td>
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<tr>
<td></td>
<td>niponicum var. pictum</td>
<td>'Regal Red' Japanese Painted Fern</td>
<td>1-1.5'</td>
<td>☀️</td>
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</tbody>
</table>

PPAF: Plant Patent Applicants File

Szikman plants such as heucheras, hellebores, and wild ginger. N

Lacy, upright, dark-green fronds provide a fine-textured background. A garden classic. |       |     |                      |       |

Athyrium niponicum var. pictum | 'Regal Red' Japanese Painted Fern | 1-1.5' | ☀️ | 1 g                  | $10   |
<p>|            |             | ☀️ | ☀️ |     |                      |       |
|            |             | This classy fern offers a stunning tapestry for the woodland garden, especially as a groundcover. Ruffled fronds glimmer with violet-red interiors and contrasting silver edges. |       |     |                      |       |</p>
<table>
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<th>Common Name</th>
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<th>Light</th>
<th>Soil</th>
<th>Pot Size</th>
<th>Plant Size</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Epimedium brevicornum</td>
<td>Barrenwort</td>
<td>1-2'</td>
<td>● ●</td>
<td>● ●</td>
<td>1 qt</td>
<td>1 g</td>
<td>$12</td>
</tr>
<tr>
<td>Epimedium pachycephalum</td>
<td>Barrenwort</td>
<td>6&quot;</td>
<td>● ●</td>
<td>● ●</td>
<td>1 qt</td>
<td>1 g</td>
<td>$12</td>
</tr>
<tr>
<td>Equisetum alissimum</td>
<td>Tall Buckset</td>
<td>3'-4'</td>
<td>○ ○</td>
<td>● ○</td>
<td>1 g</td>
<td>$9</td>
<td></td>
</tr>
<tr>
<td>Esparcia dioica</td>
<td>'Little Joe' PP</td>
<td>3-5'</td>
<td>● ● ●</td>
<td>▲ ▲</td>
<td>1 g</td>
<td>$10</td>
<td></td>
</tr>
<tr>
<td>Gailardia Burgundy</td>
<td>Blanket Flower</td>
<td>2'-5'</td>
<td>○ ○</td>
<td>● ●</td>
<td>1 g</td>
<td>$9</td>
<td></td>
</tr>
<tr>
<td>Geranium Gerwat</td>
<td>Rozanne® Craneblad</td>
<td>1-1.5'</td>
<td>○ ○</td>
<td>● ●</td>
<td>1 g</td>
<td>$9</td>
<td></td>
</tr>
<tr>
<td>Helleborus × hybriden</td>
<td>Royal Heritage™ Lenten Rose</td>
<td>1-1.5'</td>
<td>○ ○</td>
<td>● ●</td>
<td>1 g</td>
<td>$16</td>
<td></td>
</tr>
<tr>
<td>Helleborus Black Diamond</td>
<td>Lenten Rose</td>
<td>1-1.5'</td>
<td>○ ○</td>
<td>● ●</td>
<td>1 g</td>
<td>$19</td>
<td></td>
</tr>
<tr>
<td>Helleborus Golden Lotus</td>
<td>Lenten Rose</td>
<td>1-1.5'</td>
<td>○ ○</td>
<td>● ●</td>
<td>1 g</td>
<td>$24</td>
<td></td>
</tr>
<tr>
<td>Helleborus Mellow Yellow</td>
<td>Lenten Rose</td>
<td>1-1.5'</td>
<td>○ ○</td>
<td>● ●</td>
<td>1 g</td>
<td>$16</td>
<td></td>
</tr>
<tr>
<td>Helleborus Regal Ruffles</td>
<td>Lenten Rose</td>
<td>1-1.5'</td>
<td>○ ○</td>
<td>● ●</td>
<td>1 g</td>
<td>$24</td>
<td></td>
</tr>
<tr>
<td>Helleborus Splashdown</td>
<td>Lenten Rose</td>
<td>1-1.5'</td>
<td>○ ○</td>
<td>● ●</td>
<td>1 g</td>
<td>$19</td>
<td></td>
</tr>
<tr>
<td>Helonia bullata</td>
<td>Swamp Pink</td>
<td>6&quot;</td>
<td>○ ○</td>
<td>● ●</td>
<td>1 g</td>
<td>$14</td>
<td></td>
</tr>
<tr>
<td>Hemerocallis Daylily</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hemerocallis 'Eenie Wennie'</td>
<td></td>
<td>10&quot;</td>
<td>● ● ●</td>
<td>▲ ▲</td>
<td>2 g</td>
<td>$12</td>
<td></td>
</tr>
<tr>
<td>Hemerocallis 'Pandora's Box'</td>
<td></td>
<td>2'</td>
<td>○ ○</td>
<td>● ●</td>
<td>1 g</td>
<td>$12</td>
<td></td>
</tr>
<tr>
<td>Hemerocallis 'Pardon Me'</td>
<td></td>
<td>1-1.5'</td>
<td>○ ○</td>
<td>● ●</td>
<td>1 g</td>
<td>$12</td>
<td></td>
</tr>
<tr>
<td>Hemerocallis Rose' 'Returns'</td>
<td></td>
<td>1-1.5'</td>
<td>○ ○</td>
<td>● ●</td>
<td>1 g</td>
<td>$12</td>
<td></td>
</tr>
</tbody>
</table>

**Perennials**

<table>
<thead>
<tr>
<th>Latin Name</th>
<th>Common Name</th>
<th>Mature Size</th>
<th>Light</th>
<th>Soil</th>
<th>Pot Size</th>
<th>Plant Size</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hesperis 'Miracle' PPAF Alum Root</td>
<td></td>
<td>1&quot;</td>
<td>● ●</td>
<td>● ●</td>
<td>1 g</td>
<td>$12</td>
<td></td>
</tr>
<tr>
<td>Hesperis 'Obsidian' PP Alum Root</td>
<td></td>
<td>1&quot;</td>
<td>● ●</td>
<td>● ●</td>
<td>1 g</td>
<td>$12</td>
<td></td>
</tr>
<tr>
<td>Hosta 'Dhofeld' Plantain Lily</td>
<td></td>
<td>1-5'-2'</td>
<td>● ●</td>
<td>● ●</td>
<td>2 g</td>
<td>$10</td>
<td></td>
</tr>
<tr>
<td>Iris cristata</td>
<td>Powder Blue Giant</td>
<td>6'-8&quot;</td>
<td>● ●</td>
<td>● ●</td>
<td>1 g</td>
<td>$10</td>
<td></td>
</tr>
<tr>
<td>Lobelia cardinalis</td>
<td>Cardinal flower</td>
<td>1&quot;</td>
<td>● ●</td>
<td>● ●</td>
<td>1 g</td>
<td>$9</td>
<td></td>
</tr>
<tr>
<td>Lobelia cardinalis</td>
<td>Golden Torch PPAF</td>
<td>1&quot;</td>
<td>● ●</td>
<td>● ●</td>
<td>1 g</td>
<td>$10</td>
<td></td>
</tr>
<tr>
<td>Matteuccia stratiotes</td>
<td>Ostrich Fern</td>
<td>3'-5'</td>
<td>● ●</td>
<td>● ●</td>
<td>1 g</td>
<td>$10</td>
<td></td>
</tr>
<tr>
<td>Mitella repens</td>
<td>Partridge Berry</td>
<td>1&quot;</td>
<td>● ●</td>
<td>● ●</td>
<td>1 g</td>
<td>$14</td>
<td></td>
</tr>
<tr>
<td>Monarda Dark Ponticum</td>
<td>Bees Balm</td>
<td>3'-5'</td>
<td>● ●</td>
<td>● ●</td>
<td>1 g</td>
<td>$10</td>
<td></td>
</tr>
<tr>
<td>Mulelenbergia capillaris</td>
<td>Pink Muhly Grass</td>
<td>2'-3&quot;</td>
<td>● ●</td>
<td>● ●</td>
<td>1 g</td>
<td>$10</td>
<td></td>
</tr>
<tr>
<td>Nasella (Stipa) tenueissa</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Nepeta 'Dawn to Dusk' Catmint</td>
<td></td>
<td>2'-3&quot;</td>
<td>● ●</td>
<td>● ●</td>
<td>1 g</td>
<td>$9</td>
<td></td>
</tr>
<tr>
<td>Oenothera fruticosa</td>
<td>'Pyreverkeri'</td>
<td>1-1.5&quot;</td>
<td>● ●</td>
<td>● ●</td>
<td>1 g</td>
<td>$12</td>
<td></td>
</tr>
<tr>
<td>Onoclea sensibilis</td>
<td>Sensitive Fern</td>
<td>1-5'-2&quot;</td>
<td>● ●</td>
<td>● ●</td>
<td>1 g</td>
<td>$10</td>
<td></td>
</tr>
<tr>
<td>Osmunda cinnamomea</td>
<td>Cinnamon Fern</td>
<td>2'-5&quot;</td>
<td>● ●</td>
<td>● ●</td>
<td>1 g</td>
<td>$10</td>
<td></td>
</tr>
</tbody>
</table>

2009 SPRING PLANT SALE CATALOG WEB SITE: http://ag.udel.edu/udbg/events/annualsale.html
<table>
<thead>
<tr>
<th>Latin Name</th>
<th>Common Name</th>
<th>Mature Size</th>
<th>Light</th>
<th>Soil</th>
<th>Pot Size, Plant Size</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Osmunda regalis var. spectabilis</td>
<td>Royal Fern</td>
<td>2-5'</td>
<td></td>
<td></td>
<td>1 g</td>
<td>$10</td>
</tr>
<tr>
<td>Parvanda candra noris</td>
<td>Candy Lily</td>
<td>2-3'</td>
<td></td>
<td></td>
<td>1 g</td>
<td>$12</td>
</tr>
<tr>
<td>Penstemon 'Dark Towers'</td>
<td>PP A Beardedg</td>
<td>3'</td>
<td></td>
<td></td>
<td>1 g</td>
<td>$12</td>
</tr>
<tr>
<td>Penstemon digitalis</td>
<td>'Hosker Red' Beardedg</td>
<td>2.5'</td>
<td></td>
<td></td>
<td>1 g</td>
<td>$9</td>
</tr>
<tr>
<td>Petasites frigidas var. palmatus</td>
<td>'Golden Palms'</td>
<td>1'</td>
<td></td>
<td></td>
<td>1 g</td>
<td>$10</td>
</tr>
<tr>
<td>Phlox divaricata</td>
<td>'Manita' Woodland Phlox</td>
<td>1'</td>
<td></td>
<td></td>
<td>1 g</td>
<td>$9</td>
</tr>
<tr>
<td>Phlox paniculata</td>
<td>'Stairway to Heaven' PP</td>
<td>2-4'</td>
<td></td>
<td></td>
<td>1 g</td>
<td>$9</td>
</tr>
<tr>
<td>Platycodon grandiflora</td>
<td>'Sentimental Blue'</td>
<td>6-12'</td>
<td></td>
<td></td>
<td>1 g</td>
<td>$10</td>
</tr>
<tr>
<td>Polemonium reptans</td>
<td>'Stairway to Heaven' PP</td>
<td>1-2'</td>
<td></td>
<td></td>
<td>1 g</td>
<td>$10</td>
</tr>
<tr>
<td>Polystichum acrostichoides</td>
<td>Christmas Fern</td>
<td>1-2'</td>
<td></td>
<td></td>
<td>1 g</td>
<td>$12</td>
</tr>
<tr>
<td>Pulmonaria</td>
<td>'Silver Bouquet' PP</td>
<td>8'</td>
<td></td>
<td></td>
<td>1 g</td>
<td>$12</td>
</tr>
<tr>
<td>Ruellia humilis</td>
<td>Wild Petunia</td>
<td>1.5'</td>
<td></td>
<td></td>
<td>1 g</td>
<td>$9</td>
</tr>
<tr>
<td>Sedum sieboldii</td>
<td>Stonecrop</td>
<td>6-12'</td>
<td></td>
<td></td>
<td>1 g</td>
<td>$9</td>
</tr>
<tr>
<td>Sedum ternatum</td>
<td>'Larinen Park'</td>
<td>6'</td>
<td></td>
<td></td>
<td>1 g</td>
<td>$10</td>
</tr>
<tr>
<td>Senecio aureus</td>
<td>Golden Groundsel</td>
<td>1.5'</td>
<td></td>
<td></td>
<td>1 g</td>
<td>$9</td>
</tr>
<tr>
<td>Sporobolus heterolepis</td>
<td>Prairie Dropseed</td>
<td>1-1.5'</td>
<td></td>
<td></td>
<td>1 g</td>
<td>$9</td>
</tr>
<tr>
<td>Thalictrum rochebrunianum</td>
<td>Meadow Rue</td>
<td>6'</td>
<td></td>
<td></td>
<td>1 g</td>
<td>$10</td>
</tr>
<tr>
<td>Tiarella cordifolia</td>
<td>'Springwood' PP</td>
<td>6-8'</td>
<td></td>
<td></td>
<td>1 g</td>
<td>$10</td>
</tr>
<tr>
<td>Tradescantia ohiensis</td>
<td>Ohio Spiderwort</td>
<td>1.5-2.5'</td>
<td></td>
<td></td>
<td>1 g</td>
<td>$9</td>
</tr>
<tr>
<td>Veronicastrum virginicum</td>
<td>Calver's Root</td>
<td>4-7'</td>
<td></td>
<td></td>
<td>1 g</td>
<td>$9</td>
</tr>
<tr>
<td>Viola</td>
<td>'Heartthrob' PP A Hardy Violet</td>
<td>8'</td>
<td></td>
<td></td>
<td>1 g</td>
<td>$9</td>
</tr>
<tr>
<td>Zizia aurea</td>
<td>Golden Alexander</td>
<td>1.5-3'</td>
<td></td>
<td></td>
<td>1 g</td>
<td>$10</td>
</tr>
</tbody>
</table>

*Fertile fronds appear at tip of fronds, resembling flower buds, later they look like dried ashy flowers. Given perfect moisture, the deciduous Royal Fern can reach lofty heights of up to 6 feet. In fall, the color rivals of that shrubs—bright yellow-g.*

*Irising-likes leaves topped by summer blooms sporting vibrant patterns of rich orange-red, cheery yellow-gold, and/or deep burgundy-violet, sometimes with speckles. Shiny black berries provide continuing interest. Cross of Balcanica chinosia and Parvanda dichotoma.*

*New introduction with deep bronze-red, glossy foliage and tall stature. Pink flowers arise in profusion from July-August. Thrives in hot heat and humidity.*

*Plants can also be mown over for groundcover in the woodland garden. Drought tolerant once established, plants can also be mown over for neat mpatches.*

*Your garden will be a whirl of activity July through September, as butterflies, birds (especially sparrows), and other garden pests come to feast on the nectar of your flowers.*

*All-silver foliage and flowers of this summer blooming Phlox is a favorite with butterflies.*

*Bright red flowers with pale yellow throats attract hummingbirds and people passing by. Flowers appear profusely in the early summer and sporadically thereafter. Another understated native that deserves more attention.*

*One of the best short clumping grasses that never needs dividing! In spring, bulbs are excellent coming up around the grass before it fades out and in fall, pumpkin-colored blades reward you.*

*Originating in Dick and Sally Lighty’s garden, white frothy flowers appear just above the foliage in spring. Drought tolerant once established.*

*Three-petaled, deep blue flowers appear late May into early June; reblooms if cut back mid-summer. Klamath Weed with the “shoulders” of other plants. Easy to care for.*

*Great vertical accent plant for back of the border.*

*Bright red flowers with pale yellow throats attract hummingbirds and people passing by. Flowers appear profusely in the early summer and sporadically thereafter. Another understated native that deserves more attention.*

*One of the best short clumping grasses that never needs dividing! In spring, bulbs are excellent coming up around the grass before it fades out and in fall, pumpkin-colored blades reward you.*

*Deep purple flowers top deep wine-purple stems in July. A very robust species, perfect for the back of the border.*

*Regal and elegant Japanese native with rounded, finely cut attractive foliage. Airy sprays of dainty, bicolor lavender and yellow flowers top deep wine-purple stems in July. A very robust species, perfect for the back of the border.*

*Spring flowers emerge bright pink and transform to vivid hues of purple and blue. All-silver leaves present an occasional splash of mottled green along the margins. An enchanting groundcover for the woodland garden.*

*Flat-topped clusters of bright yellow flowers above clean green foliage lend cheer to the late spring garden. The foliage of this carrot family plant attracts black swallowtail caterpillars and the blooms are cherished by a host of butterfly species.*

*Fruiting male flower clusters are creamy yellow and female blooms are bright pink. Fruits ripen in fall to deep rich purple with bright yellow seed heads.*

*Bright, heart-shaped green foliage accented by a splash of rich red. Lavender spring flowers appear before the leaves. Charming choice for a groundcover or container.*

*Flat-topped clusters of bright yellow flowers above clean green foliage lend cheer to the late spring garden. The foliage of this carrot family plant attracts black swallowtail caterpillars and the blooms are cherished by a host of butterfly species.*
**Plant Sale Highlights**
*Tuesday, March 17, 7:00–9:00 pm*
Free UDBG Friends members; $10 nonmembers

- **Member**
  - No. attending ____

- **Nonmember**
  - No. attending ____

**Total ____

**Roundtable Discussion: Environmental Issues**
*What Can We Do?*
*Tuesday, March 24, 3:30 p.m.*
$5 UDBG Friends members; $10 nonmembers

- **Member**
  - No. attending ____

- **Nonmember**
  - No. attending ____

**Total ____

**Guided Walk of 2009 Plant Sale Highlights**
*Thursday, March 26, 4:00–5:30 pm*
Free to UDBG Friends members; $5 nonmembers

Max 35 people.

- **Member**
  - No. attending ____

- **Nonmember**
  - No. attending ____

**Total ____

**Four Season Container Gardening and Annual Meeting**
*Tuesday, May 12, 7:00–9:00 pm*
Free to UDBG Friends members; $10 nonmembers

- **Member**
  - No. attending ____

- **Nonmember**
  - No. attending ____

**Total ____

**PAYMENT INFORMATION**

Payment Amount $______________

- Check (payable to University of Delaware)
- Credit Card: 
  - Visa
  - MasterCard
  - Discover
  - AmEx

Cardholder’s Name____________________________
Card Number_____________________________ Exp. Date_______
Billing address (if different than above):
____________________________________________________________________
____________________________________________________________________

Mail completed registration form to:
UDBG Plant Sale
152 Townsend Hall
University of Delaware

**CURRENT UDBG FRIEND?**

- Check box if you are a current member of UDBG Friends. If not, you can rejoin on the back of this form. See other side for membership details and form.

**SPECIAL OFFER FOR NEW UDBG MEMBERS**

- If you join as a first time member with this registration form or the UDBG membership form on the other side, you will receive a free 1 gallon plant at pick-up.
What is the UDBG?
The University of Delaware Botanic Gardens is a research center, a laboratory, and a classroom in which studies in horticulture, landscape design, plant biology, botany, plant pathology, entomology, and wildlife ecology are pursued through experiential learning. UDBG maintains a diverse and dynamic living plant collection that stimulates and engages, with more than 3,000 species and cultivars of perennials, shrubs, and trees. UDBG provides a welcoming environment for visitors to learn about trees, shrubs, and other plants.

What are the benefits of membership in the UDBG Friends?

- **General Membership Benefits**
  - Free admission to UDBG semi-annual meeting lectures
  - Exclusive right to place a preorder for the Spring Plant Sale
  - Notice of upcoming events
  - Discounted admission to events
  - Invitation to special-member events
  - Special mailings
  - Subscription to newsletter (3 times/year)
  - Early entrance to members' hours during Plant Sale in spring and fall
  - Reciprocal admission privileges to over 225 gardens and arboreta through the American Horticultural Society

- **$10 Student Membership Benefits**
  - General Membership benefits

- **$40 Individual Membership Benefits**
  - General Membership benefits
  - 2 herbaceous plant dividends per year
    - (1 in spring; 1 in fall)

- **$60 Family Membership Benefits**
  - All the Individual membership benefits for two family members, and
  - 4 herbaceous plant dividends per year
    - (2 in spring; 2 in fall)

- **Nonprofit/Garden Club Membership Benefits**
  - $85 Nonprofit/Garden Club Membership Benefits
    - All the Individual membership benefits for 1 representative of nonprofit/garden club, and
    - 1 free guided garden tour per year

- **$185 Sustaining Membership Benefits**
  - All the Family membership benefits, and
  - 4 herbaceous or woody plant dividends per year
    - (2 in spring; 2 in fall)

- **$500 Benefactor Membership Benefits**
  - All the Sustaining membership benefits for 3 family members or guests

- **$1,000 or above DIRECTOR’S FRIEND Benefits**
  - All the Benefactor membership benefits for 4 family members or guests
  - Personal tour around UDBG with Director
  - Connoisseur plant

Who are the UDBG Friends?
The UDBG Friends, a membership organization, was organized to play a vital part in funding, volunteering, and helping with the further development of the UDBG. The Friends help UDBG establish new and improved programs for research, education, and natural beauty. Anyone with a lively interest in horticulture, education, landscape design, and nature is encouraged to join. As a member of UDBG Friends, you are a partner in the future of the gardens.

How can I join?
Please complete the membership form and return it with your annual dues. Membership year begins on the date that we receive your application. For more information, call UDBG at (302) 831-0153 or visit our Web page at: [http://ag.udel.edu/udbg](http://ag.udel.edu/udbg)

**Membership Category (check Membership box below)**

- **UDBG Friends Memberships**
  - Student .....................................$10
  - Individual..................................$40
  - Family .......................................$60
  - Nonprofit/Garden Clubs ...........$85
  - Sustaining ...............................$185
  - Benefactor ..............................$500
  - Director’s Friend..................$1,000

Your name (as you would like it to appear in correspondence)

_______________________________________________

Organization name (if you check Nonprofit/Garden Clubs)

_____________________________________________________

Street Address & Apt. # ___________________________

City ___________________________________________

State ___________ Zip ___________________________

Phone (home)___________________________________

Phone (work)_____________________________________

Phone (cell)_____________________________________

E-mail address  __________________________________

MEMBER PAYMENT INFORMATION can be found on the Preorder Form on the previous page (page 15).

- Please send me information about volunteering for the UD Botanic Garden Friends.
LEPIDOPTERA (BUTTERFLIES, SKIPPERS, MOTHS & THEIR CATERPILLARS)

PERENNIALS
Agastache cvs.
Aquilegia canadensis ‘Little Lanterns’ (N)
Amsonia hubrichtii (N)
Asarum canadense (N)
Asclepias spp. & cvs. (N)
Aster paniculatus (N)
Baptisia spp. & cvs. (N)
Calamintha nepeta ‘Blue Cloud’
Carex faxii (N)
Chelone glabra (N)
Coreopsis ‘Creme Brulee’
Echinacea ‘Matthew Saul’ (N)
Eupatorium spp. & cvs. (N)
Gaillardia ‘Burgundy’
Geranium ‘Gerwat’
Heliotrope belianthoides (N)
Hemerocallis cvs.
Hibiscus coccineus (N) DOS
Iris versicolor (N)
Lobelia cardinalis spp. & cvs. (N)
Mimulus ringens (N)
Monarda ‘Dark Ponticium’
Neepeta ‘Dawn to Dusk’
Penstemon spp. & cvs.
Phlox divaricata cvs. (N)
Phlox paniculata cvs. (N)
Phlox stolonifera cvs. (N)
Salvia spp. & cvs. DOS
Scabiosa ‘Butterfly Blue’ DOS
Sedum spp. & cvs.
Senecio aureus (N)
Veronicastrum virginicum (N)
Viola spp. & cvs.
Zizia aurea (N)

HUMMINGBIRDS

PERENNIALS
Agastache cvs.
Aquilegia canadensis ‘Little Lanterns’ (N)
Baptisia spp. & cvs. (N)
Dicentra eximia (N)
Hibiscus coccineus (N) DOS
Hosta cvs.
Lobelia cardinalis spp. & cvs. (N)
Monarda ‘Dark Ponticium’
Penstemon spp. & cvs.
Phlox divaricata spp. & cvs. (N)
Phlox paniculata spp. & cvs. (N)
Ruellia humilis (N)
Spigelia marilandica (N)

TREES & SHRUBS
Abelia spp. & cvs.
Acer rubrum ‘Sun Valley’ (N)
Acer saccharum & cvs. (N)
Aesculus parviflora & cvs. (N)
Alnus serrulata (N)
Amelanchier spp. & cvs. (N)
Betula lentia (N)
Celtis occidentalis (N) DOS
Cephalanthus occidentalis (N)
Cercis canadensis ‘Hearts of Gold’ (N)
Clethra alnifolia ‘Hummingbird’ (N) DOS
Cornus spp. & cvs. (N)
Crataegus spp. (N)
Fraxinus americana (N)
Hydrangea quercifolia cvs. (N)

HONEYBEES

PERENNIALS
Agastache spp. & cvs.
Aquilegia canadensis ‘Little Lanterns’ (N)
Aesculus spp. & cvs. (N)
Aster paniculatus (N)
Baptisia spp. & cvs. (N)
Calamintha nepeta ‘Blue Cloud’
Coreopsis ‘Creme Brulee’
Echinacea ‘Matthew Saul’ (N)
Eupatorium spp. & cvs. (N)
Gaillardia ‘Burgundy’
Heliotrope belianthoides (N)
Hibiscus coccineus (N) DOS
Hypericum cvs. (N)
Mimulus ringens (N)
Monarda ‘Dark Ponticium’
Neepeta ‘Dawn to Dusk’
Oenothera fruticosa ‘Perverkeri’
Penstemon spp. & cvs.
Salvia spp. & cvs. DOS
Scabiosa ‘Butterfly Blue’ DOS
Sedum spp. & cvs.
Senecio aureus (N)
Veronicastrum virginicum (N)
Zizia aurea (N)

TREES & SHRUBS
Abelia spp. & cvs.
Acer rubrum ‘Sun Valley’ (N)
Aesculus parviflora (N)
Amelanchier spp. & cvs. (N)
Arctostaphylos uva-ursi (N)
Aronia spp. & cvs. (N)
Cornus spp. & cvs. (N)
Corylus americana (N)
Crataegus spp. (N)
Diospyros virginiana (N)
Prunus spp. & cvs. (N)
Rhus spp. & cvs. (N)
Rosa carolina (N)
Sambucus canadensis (N)
Sassafras albidum (N)
Symphoricarpos spp. (N)

This is only a partial list of plants that provide food for wildlife.

KEY:
spp. = species
 cvs. = cultivars
(N) = native
DOS = available day of sale only

food plants for wildlife
OUR SINCERE APPRECIATION to the individuals listed below for their generosity to the 2009 Spring Plant Sale. Your gifts directly support the student Internship Program, a vital component of the UDBG which provides students an opportunity to gain practical experience and training.

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