

Landscaping with Native Plants
Maryland Native Plant Society

# **Landscaping with Native Plants**

**Why this booklet?** This booklet is a guide for the home gardener who wants to enjoy and learn about native plants. It does not deal with restoration of natural areas; in those cases, the selection of plant species should be dictated by rigorous conservation considerations appropriate to the particular locale.

**Why landscape with native plants?** Native plants are the foundation of a healthy, functioning ecosystem. For example, most birds feed insects to their young and our native insects require native plants in order to develop. Unfortunately, many urban and suburban landscapes are filled with non-native plants that support very little biodiversity. Native plants and the wildlife communities they support are being lost to development, invasive plants, deer browsing, and introduced pests and diseases. The good news is that we can do something about that by planting a diversity of beautiful and life-sustaining plant species in our own yards.

By planting native plants, you provide food and habitat for native wildlife, thus bringing a bit of ecological balance back to the small piece of the planet you care for. Once established, a well-chosen native plant usually doesn't need much care because it is adapted to grow in our native soils. And you will have the pleasure of watching birds, butterflies, and other creatures in your own backyard, while learning about the plants of your region.

**What is a native plant?** A native plant is one that grows in a particular region without direct human intervention. On this continent, the plants that were established before European and African settlement are usually considered native species. Native plants and animals that have evolved together often depend on one another for their survival and reproduction.

**What is a non-native invasive plant?** A non-native invasive plant is one that has been introduced from another region, spreads aggressively, and displaces native plants. They arrive without the complement of pests, diseases, and predators with which they co-evolved and that keep them in check in their native region.

**Where do I start?** This brochure lists a few of the many beautiful native plants that are often available for purchase. Many retail nurseries sell at least some native plants and the Maryland Native Plant Society maintains a list of











local and regional nurseries where you can buy native plants. To view the list, go to www.mdflora.org/publications/nurseries.html. To learn more about the native plants that grow in your region, visit nearby natural areas and native plant gardens, as well as local nature centers for guided field trips.

**Plant with wildlife in mind.** Our fellow creatures need food, water, and shelter. Many native plants attract beneficial insects. Cherish them, and avoid using pesticides. If you see a modest amount of leaf damage on your plants, you will know you are helping to support wildlife in your garden. Pollinators such as bees and butterflies need blooms throughout the growing season. Seeds and berries provide additional food sources for birds. At the end of the growing season, leave perennial stalks and seed heads standing, and let leaf litter remain on the ground: they may shelter animals over the winter and become part of birds' nests in the spring. Provide one or more sources of water (preferably year round) and you will attract even more birds and other wildlife. Include trees, shrubs, and shorter plants in layers in order to replicate a natural setting, add beauty to your landscape, and enhance your wildlife habitat.

**Take one step at a time.** You don't need to replant your entire garden. Start with a small area of your yard, replacing mowed grass or English ivy with native woody and herbaceous plants. When you add new plants to your garden choose natives. Native ornamental plants support many more species of caterpillars than non-natives, and those caterpillars are food for birds. So every native plant that replaces a non-native will benefit native wildlife. Even a single oak tree can make a difference.

**Remove non-native invasive plants from your property.** The longer you wait, the more difficult it will be to eradicate invasive plants. When you eliminate invasive plants, such as English ivy, Japanese honeysuckle, and porcelainberry from your property, you may help natives reappear. See what comes up when you make room! You may discover existing native plants that have been crowded and overshadowed. Removing undesirable plants will keep them from spreading to any natural areas in the vicinity.

**Protect existing native plant communities.** Do your best to conserve existing natural native plant and animal communities, whether on your property or elsewhere. If you are lucky enough to have some natural areas close by, get to know those plants. Lend your support to the conservation of our remaining natural areas. And remember that removing native plants from the wild endangers native plant communities and is illegal on public lands.



















# HERBACEOUS PERENNIALS Actaea racemosa • black cohosh

Name

Aquilegia canadensis • wild columbine

Arisaema triphyllum • Jack-in-the-pulpit

Aruncus dioicus • goat's beard Asarum canadense • wild ginger Asclepias incarnata • swamp milkweed Asclepias syriaca • common milkweed Asclepias tuberosa • butterfly milkweed Baptisia australis • wild blue indigo Chelone alabra • white turtle head Chrysogonum virginianum • green and gold Claytonia virginica - spring beauty Coreopsis verticillata • threadleaf coreopsis Dicentra canadensis - squirrel corn Dicentra cucularia • dutchman's breeches Dicentra eximia • wild bleeding heart

Eurybia divaricata • white wood aster

Geranium maculatum • wild geranium

Hepatica nobilis • round-lobed hepatica

Mar-Jun Mar-May lun—lul Apr-May Apr-May Apr-Oct Jul-Oct Eupatorium perfoliatum • common boneset Jul-Oct Eutrochium maculatum • spotted Joe Pye weed Jul-Sep Apr—Ju Helianthus divaricatus • woodland sunflower Jul-Aug

white red/vellow purple/green white maroon pink light purple orange blue white vellow white/pink vellow

white

white

white

white

lavender

lavender

yellow

lavender

pink/white

Flower

Color

Bloom

Time

Jun-Sep

Apr—Jun

Mar-Jun

May—Jul

Apr-May

Jun-Jul

Jun-Aua

Jun-Aug

May—Jun

Sep-Oct

Mar-lun

0.5 - 3'1-3' 4-6' 0.3 - 0.5'3-4' 4-5' 1-3' 3-5' 2-4 0.5-1'

0.5 - 1'

2-3'

0.5-1'

0.5 - 1'

1.5-2

0.5 - 3'

3-5'

4-6'

1-2'

3-4'

0.5 - 2'

Height

3-8'

S Ps Ps Sh S Ps Ps Sh S Ps S Ps S Ps S Ps

S Ps Sh

Ps Sh

S Ps

Ps Sh

Ps Sh

Ps SH

S Ps

Ps Sh

S Ps

S Ps

S Ps SH

Ps SH

Sun

Part shade

Shade

Ps SH

MDWMWMM WMD D D MDWM

M D

M

M D

M

M

M D

WM

MD

M

M D

D

MD

Wet

Moist

Dry

M

semi-evergreen ground cover butterfly plant; monarch host aggressive, spreads underground nectar plant, monarch host butterfly plant, poor soil OK butterflies, hummingbirds long blooms if kept moist early nectar plant, ephemeral nectar plant, spreader fern-like leaves, ephemeral ephemeral long blooms! butterfly magnet

nectar plant, spreads

showy flowers, spreads

showy; good for birds, butterflies

nectar plant

semi-everareen

Notes

midsummer flowers

hummingbird favorite

red berry clusters late summer

frothy, ornamental flowers









Heuchera americana • American alumroot	Apr—Jun	yellow/green	1-3.5'	Ps Sh	M D	semi-evergreen, forms clumps
Heuchera villosa • hairy alumroot	Jul—Oct	white/green	1-2.5'	Ps Sh	M D	showy flower, low maintenance
Iris cristata • dwarf crested iris	Apr—May	white	0.5-1'	Ps	M	spreads
Jeffersonia diphylla • twinleaf	Mar—Apr	white	0.5-1'	Ps Sh	M	lovely early spring flowers
Liatris spicata • dense blazing star	Jun <del>-</del> Aug	purple	3-4'	S Ps	M D	nectar plant
Lobelia cardinalis • cardinal flower	Jul <b>—</b> Sep	red	2-4'	S Ps	WM	long bloom time; hummingbirds!
Lobelia siphilitica • great blue lobelia	Aug—Sep	blue/violet	2-4'	S Ps	WM	suitable for water gardens
Mertensia virginica • Virginia bluebells	Mar <del></del> May	pink to blue	1-2.5'	Ps SH	M W	early nectar & pollen
Mimulus ringens • monkeyflower	Jun—Oct	blue	2-4'	S Ps	M W	long bloom time
Mitchella repens • partridgeberry	May—Jun	white	0.5-1"	Ps SH	M D	low, slow spreader
Monarda didyma • scarlet beebalm	Jun-Jul	red	2-5'	S Ps Sh	W M	showy! hummingbirds, butterflies
Mondarda fistulosa • wild bergamot	Jun—Jul	lavender	2-5'	S Ps	M D	spreader, nectar plant
Oenothera perennis • little sundrops	May—Jul	yellow	2-3'	S Ps	M D	early nectar plant
Opuntia humifusa • eastern prickly-pear	Jun-Jul	yellow	0.5-1'	S	D	showy flowers, edible fruit
Packera aurea • golden ragwort	May—Jun	yellow	0.5-2'	S Ps Sh	WMD	semi-evergreen, aggressive
Penstemon digitalis • foxglove beardtongue	Jun—Jul	white	2-3'	S Ps	W M	showy flowers, birds, butterflies
Phlox divaricata • wild blue phlox	Apr—Jun	lavender	1.5-2'	Ps SH	M	early nectar plant
Phlox paniculata • summer phlox	Jul—Oct	pink/purple	2-3'	S Ps Sh	M	butterflies, hummingbird moths
Phlox subulata • moss phlox	Apr—May	pink	0.2-0.5'	S	M D	groundcover, rock gardens
Rudbeckia fulgida • orange coneflower	Jul—Aug	yellow	1.5-3.5'	S Ps	M D	drought tolerant nectar plant
Sanguinaria canadensis • bloodroot	Mar—Apr	white	0.2-0.5'	SH	M	flowers fleeting but leaves persist
Sedum ternatum • wild stonecrop	Apr—May	white	0.1-0.5'	Ps Sh	M	outstanding for woodland garden
Solidago caesia • bluestem goldenrod	Aug-Oct	yellow	1-3.5'	S Ps Sh	M D	spreader, wand-like blooms
Solidago flexicaulis • zigzag goldenrod	Jul—Oct	yellow	1-3.5'	Ps SH	M D	fall nectar plant
Solidago nemoralis • gray goldenrod	Jul-Nov	yellow	0.5-3'	S Ps	D	butterfly gardens
Solidago rugosa • rough-stemmed goldenrod	Aug-Nov	yellow	1-3.5'	S Ps	W M	tough, aggressive

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Dicentra cucularia	3
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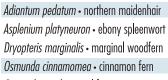








Tiarella cordifolia • foamflower



Name

Symphyotrichum cordifolium • heart-leaved aster

Symphyotrichum laeve • smooth blue aster

Symphyotrichum puniceum • purplestem aster

*Tradescantia virginiana* • Virginia spiderwort

Vernonia noveboracensis • New York ironweed

Thalictrum thalictroides • rue anemone

Thalictrum pubescens • tall meadow rue



Hepatica nobilis	Thelypteris noveboracensis • New York ferr
	GRASSES AND SEDGES  Carex pensylvanica • Pennsylvania sedge Carex glaucodea • blue sedge
S. Sakara	Eragrostis spectabilis • purple lovegrass
Hydrophyllum virginianum	Schizachyrium scoparium • little bluestem

# Aug-Oct Apr—Jun Jun-Aug Apr—Jun

Apr—Jun

Jul-Oct

Bloom

Time

Sep-Oct

Aug-Oct

white white purple

purple

Flower

Color

violet

violet

white

pale violet

1-2 0.5 - 1.5'1-3' 2-5' 3-6' 1-2 1-2

Height

1-4'

1-5'

1-7

0.5-1'

1.5-9'

0.5-1'

1-3'

4-7'

Ps Sh S Ps SH S Ps SH Ps Sh Ps SH Ps Sh

S

M M MDM D WMM WM

Wet

Moist

Dry

WM

WMD

D

MD

WM

M

M

WMD

Sun

Part shade

Shade

Ps Sh

S Ps

S Ps

Ps Sh

S Ps SH

S Ps SH

S Ps SH

S Ps

Ps SH

S Ps SH

evergreen groundcover showy fertile frond tolerates drought evergreen groundcover slow spreader grassy foliage blue-green leaves

bronze-red

beautiful seed head

UV	2FD(	GF2	
lvai	nica •	Pennsylvania	sedge

*Sorghastrum nutans* • indiangrass



Aug-Oct

Aug/Sep



bronze

yellow



1.5-2

1.5-2'

3-8



MDMD

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MD

blue-green leaves, winter interest

Notes

cut down in Jun to reduce height

long-blooming, clump-forming

showy flowers, early bloom, spreads

excellent nectar plant

lovely, delicate flowers

showy white plumes

brilliant flowers

tolerates heavy shade

delicate evergreen

plentiful fall blooms









## LARGE SHADE TREES

Acer saccharum • sugar maple	Feb—Mar	yellow/green	50-100'	S Ps	WM	lovely fall color
Celtis occidentalis • common hackberry	Apr—May	yellow/green	40-70'	S	M D	withstands urban conditions
Diospyros virginiana • common persimmon	May—Jun	yellow/cream	50-75′	S Ps	M D	edible fruit on female trees
Fagus grandifolia • American beech	Apr—May	yellow/green	50-100'	S Ps	M	bronze leaves persist in winter
Liriodendron tulipifera • tulip-tree	May—Jun	yellow	70–100′	S Ps	M D	showy flowers
Nyssa sylvatica • blackgum	Apr—Jun	white	30–75′	S Ps	WMD	outstanding fall color
Prunus serotina • black cherry	Apr—May	white	50-100'	S	MD	wildlife value
Quercus alba • white oak	Mar—May	yellow/green	75 <b>–</b> 100′	S Ps	M D	MD state tree
Quercus bicolor • swamp white oak	Apr—May	yellow/green	60-100′	S Ps	W M	good for wet spots
Quercus coccinea • scarlet oak	May—Jun	yellow/green	40-75'	S	MD	official tree of DC
Quercus falcata • southern red oak	Apr—May	yellow/green	70-80′	S	M D	high wildlife value
Quercus montana • chestnut oak	May—Jun	yellowish	40-80'	S Ps SH	D	infertile soils
Quercus phellos • willow oak	Feb—May	yellow/green	80-100'	S Ps	W M	high wildlife value
Quercus rubra • northern red oak	Apr—May	yellow/green	90-120'	S Ps	M D	fall color
Taxodium distichum • bald cypress	Mar—Apr	deep purple	50-100′	S Ps	W	deciduous conifer
Tilia americana • American basswood	Jun	yellow	70–100′	Ps SH	M	fragrant flowers

# **SMALLER TREES**

	JIIALLIN INLLJ						
	Amelanchier arborea • common serviceberry	Mar—May	white	15-25'	Ps SH	W M	edible fruit
i.	Amelanchier canadensis • Canadian serviceberry	Mar—Apr	white	35-50′	Ps Sh	M D	edible fruit
	Asimina triloba • pawpaw	Apr—May	maroon	20-35'	S Ps	M	edible fruit, forms a thicket
	Betula nigra • river birch	Apr—May	brown	50-75′	S Ps	W M	attractive peeling bark
	Cercis canadensis • eastern redbud	Apr—May	lavender	20-35'	Ps SH	M D	showy spring bloom
ı	Chionanthus virginicus • white fringetree	Apr—May	white	20-35'	S Ps SH	M D	showy, fringe-like flowers
	Cornus florida • flowering dogwood	Apr—May	white	20-50'	$P_S$	M D	VA state tree

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# **SMALLER UNDERSTORY TREES** cont. Magnolia virginiana • sweetbay magnolia Malus coronaria • sweet crabapple

Name



*Thuja occidentalis* • arborvitae





SHRUBS						
Aronia arbutifolia • red chokeberry	Mar—May	white	15 <del>-</del> 20′	S Ps	W M D	flowers, fruit, fall color
Callicarpa americana • beautyberry	Jun—Aug	lavender	6-9'	S Ps	M D	lovely lavender berries Sep—Mar
Ceanothus americanus • New Jersey tea	May—Sep	white	2-3'	S Ps	D	tolerates drought
Cephalanthus occidentalis • buttonbush	Ju <b> —</b> Aug	creamy white	6 <b>—</b> 12′	S Ps Sh	W M	nectar source for butterflies
Clethra alnifolia • sweet pepperbush	Ju <b> —</b> Aug	white	6-12'	Ps SH	W M	high wildlife value
Cornus amomum • silky dogwood	May—Jun	white	6-12'	S Ps	W M	high wildlife value
Euonymus americanus • strawberry-bush	May—Jun	pale green	6 <b>—</b> 12′	S Ps Sh	W M	showy fall color
Hamamelis virginiana • American witch hazel	Sep—Dec	yellow	15 <b>–</b> 30′	Ps SH	M D	fall, winter bloom
Hydrangea arborescens • wild hydrangea	Jun—Aug	white	3-6'	Ps SH	M D	attracts pollinators
<i>llex glabra</i> • inkberry	May—Jun	pale green	6-10'	S Ps Sh	M D	evergreen
<i>llex verticillata</i> • winterberry holly	Jun—Jul	pale green	6-12'	S Ps SH	W M	persistent red berries
Itea virginica • Virginia sweetspire	May—Jun	white	6-10'	S Ps SH	W M	forms thickets by suckering
Kalmia latifolia • mountain laurel	May—Jul	white/pink	12 <del>-</del> 20′	S Ps	W M D	evergreen, lovely flower display

Bloom

Time

May—Jun

Apr—May

May—Jun

Mar—Apr

Mar—Apr

Flower

Color

white

white

red/purple

red/brown

pink/white

Wet

Moist

Dry

WM

WM

M

MD

WM

Notes

semi-evergreen

fragrant flowers

red fruit on female trees

good screening tree, evergreen

high wildlife value

Sun

Part shade

Shade

S Ps Sh

S Ps SH

S

S

S

Height

12-30'

10-30'

15-50'

50-75'

50-75'









### Lindera benzoin • northern spicebush yellow 3-16' Ps Sh WMearly flowers Mar—May *Morella cerifera* • southern bayberry Mar—Jun yellow green 6-15' S Ps WMDevergreen, silver fruit *Physocarpus opulifolius* • ninebark May—Jul 5-12' S Ps WMdrought tolerant, adaptable white Rhododendron atlanticum • coast azalea Apr-May white 1-5' Ps M fragrant flowers *Rhododendron maximum* • great rosebay May—Aug white/pink 15-20' Ps Sh WMDevergreen gorgeous flowers Rhododendron periclymenoides • pinxter azalea Apr-May pink/white 3-10' S Ps SH WMedible fruit, spreads by suckers Rubus odoratus • purple flowering raspberry Jun-Sep 3-6' Ps SH M rose purple Sambucus nigra • American elderberry important wildlife food Jun—Ju white 6-12' S Ps SH WMDViburnum acerifolium • maple-leaved viburnum Apr-Jun white/pink 3-6' S Ps SH MDfood source for birds Viburnum dentatum • arrowwood white 10-15' S Ps Sh WMDflowers, fruit, fall color May—Jun *Viburnum nudum* • possumhaw high wildlife value Jun—Ju white/cream 6-20' S Ps Sh WMViburnum prunifolium • blackhaw white 12-24' S Ps SH WMDgood fall color Apr-May



Aristolochia macrophylla • pipevine	May—Jun	yellow/purple	15 <del>-</del> 30′	S Ps	M	host for pipevine swallowtail
Bignonia capreolata • crossvine	May—Jun	orange/red	20-35'	S Ps	WMD	semi-evergreen
Lonicera sempervirens • trumpet honeysuckle	Apr—Oct	coral to red	6 <del>-</del> 12′	S Ps	M D	semi-evergreen, hummingbirds!
Parthenocissus quinquefolia • Virginia creeper	May—Jul	pale green	25 <del>-</del> 35′	S Ps Sh	WMD	high wildlife value
Passiflora lutea • yellow passionflower	Ju <b>l—</b> Aug	yellow	5 <b>–</b> 15′	<b>P</b> s	W M	lovely, delicate flowers
Wisteria frutescens • American wisteria	Apr—Aug	lilac	15-30′	S Ps	W M	showy, fragrant













# Maryland and other mid-Atlantic states are rapidly losing natural biodiversity. YOUR GARDEN MATTERS!

Native plants can create beautiful landscapes that provide wildlife habitat and reduce maintenance costs around our homes, schools, workplaces, and in our parks. Many gardeners find a deeper connection to nature as they learn about the plants that are native to our area and the animals that depend on them.

# **On-line and Print Resources**

### Why plant native?

Tallamy, Douglas. Bringing Nature Home. 2007. Timber Press.

See also www.bringingnaturehome.net

### **Landscaping and Gardening**

Darke, R. and D. Tallamy, *The Living Landscape: Designing for Beauty and Diversity in the Home Garden.* 2014. Timber Press.

Native Plants for Wildlife Habitat and Conservation Landscaping, publication of the US Fish & Wildlife Service.

Download from:

 $www.nps.gov/plants/pubs/chesapeake/pdf/chesapeakenatives.pdf \\ Available for purchase from MNPS:$ 

www.mdflora.org/forgardeners.html

*Native Plants for Northern Virginia*, a publication of the Plant NoVa Natives Campaign.

www.novaregion.org/DocumentCenter/View/10615

### **Non-native Invasive Plants**

Plant Invaders of Mid-Atlantic Natural Areas Download from:

www.nps.gov/plants/alien/pubs/midatlantic/index.htm

The MNPS website has a list of many resources concerning non-native invasive plants: www.mdflora.org/aboutinvasives.html

### Plant Identification

Newcomb, Lawrence. *Newcomb's Wildflower Guide*. 1977. Little Brown.

Weakley, A.S., J.C. Ludwig, and J.F. Townsend. *Flora of Virginia*. 2012. Britt Press.

Nelson, G., C.J. Earle, and R.S. Spellenberg. *Trees of Eastern North America*. 2014. Princeton Univ. Press.

# Maryland Native Plant Society

**Maryland Native Plant Society** (MNPS) promotes awareness, appreciation, and conservation of Maryland's native plants and their habitats through education, research, advocacy, and service. We are an organization of plant and nature enthusiasts run by dedicated volunteers.

**Our members** include amateur and professional botanists, home gardeners, landscapers, and educators—but no expertise is required. Anyone interested in preserving and learning about Maryland's natural heritage is welcome.

**MNPS offerings** include field trips, monthly programs, publications including *Marilandica* magazine, annual conferences, and advocacy for conservation of natural areas.

**Membership** information can be found at www.mdflora.org.





Become a fan, post photos, and join in the comments.



Our events are listed in our MeetUp group.

## Maryland Native Plant Society PO Box 4877, Silver Spring, MD 20914 www.mdflora.org

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