Meadowscaping for Biodiversity

Youth Environmental Entrepreneurship Program

Native Plant Catalog April 2020

Hardy, Drought-Tolerant Perennials for Pollinator-Friendly Gardens

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To make it easy for you to beautify your yard and help the environment, we offer hardy, drought-tolerant natives: Flowers, Shrubs; Grasses; and Ferns. You can mix and match plants with different colors, heights, bloom time, etc., from these collections to develop your own unique ecosystems garden. See INDEX for more detailed information.

To make your garden sing, purchase three or more of the same plant and ask for them to be planted together. As they grow, they will fill out the area. For example, to make a gorgeous statement in yellow that blooms all summer into the fall, you could plant three each of Black-eyed Susan, Coreopsis, Butterfly Weed, and Goldenrod.

**LUSH MEADOW or CONTROLLED GARDEN?**

This top photo of an urban meadow on the former east lawn of Christ Church Episcopal, 750 Main Street, Waltham, was taken in September 2014 — three months after planting it. The photo below shows the meadow two years later (July 2016). Which style of ecosystems meadow would you like?

**NOTE:** Plants are sourced from the New England Wildflower Society (Garden in the Woods and Nasami Farms); Van Berkum Nurseries; Russell’s Garden Center, Weston Nurseries, and others.
MS4B and the cities and towns of Waltham, Cambridge, Belmont, and Newton are partnering again this year to offer teens the opportunity in the Youth Environmental Entrepreneurship Program (YEEP) to form an enterprising gardening service to sell, install, and maintain native plants for residents and businesses.

Why plant natives?
Pollinators are essential to the growth of 70 percent of the plants that make up the human food supply. The populations of pollinators, such as butterflies, bees, and other beneficial insects, have been crashing due to habitat loss, pesticides, and climate change.

Native plants support pollinators in peril.
The Xerces Society says that “a wildflower-rich habitat is the most significant action you can take to support pollinators.” Native plants are host plants to native insects and caterpillars and the “best source for nectar and pollen for native pollinators.”

Beautify your yard with native plants that sustain pollinators such as bees, butterflies, and other beneficial insects, and help teens develop skills that increase their prospects for academic and career success!

Why pay more?

Flowers: $15/each
Ferns: $22/each
Grasses: $22/each
Shrubs: $35/each
Wetlands Plug Kit: $175
Dry Plug Kit: $175
**Sun - Part Sun**

**1. Lanceleaf Coreopsis**
Coreopsis lanceolata
<1 ft.
July - September
Sun - Part shade
Dry

**2. Goldenrod**
Solidago rugosa
6 - 7 ft., Full sun
September - October
Medium

**3. Bee Balm**
Raspberry Wine
Monarda didyma
3 - 4 ft., Full sun
July - August
Medium

**4. Culver's Root**
Veronicastrum virginicus
3 - 6 ft.
Full sun - Part shade
July - August
Medium - Moist soil

**5. Tickseed**
Coreopsis
2 ft., July - September
Sun - Part shade, Dry

**6. Joe Pye Weed**
Eutrochium maculatum
6 ft., Full sun - Partial
Moist - Wet

**7. Tall Phlox**
Phlox paniculata
2 - 4 ft., Full sun - Part sun
August - September, Medium

**8. Black-Eyed Susan**
Rudbeckia hirta
2 - 3 ft., Full sun
July - August
Medium

**9. Blanket Flower**
Galliardia aristata
2 - 3 ft., Full sun - Sun
July - September
Dry - Medium

**10. Sneezeweed**
Helenium autumnale
3 - 5 ft., Full sun
July, Medium

**11. Blue Vervain**
Verbena hastata
6 - 7 ft., Full sun
July - September
Medium
**Scarlet Bee Balm**  
*Monarda didyma*  
“Jacob Cline”  
3 - 4 ft., Full sun  
July - August

**Purple Cone Flower**  
*Echinacea purpurea*  
2 ft., Full sun  
July - September

**Wild Bergamot**  
*Monarda fistulosa*  
2 - 4 ft., Full sun  
June - August, Medium

**Blue False Indigo**  
*Baptisia australis*  
3 - 5 ft.  
Full Sun - Part shade  
June. Medium

**Eastern Bluestar**  
*Amsonia tabernaemontana*  
2 - 3 ft.  
Sun - Part shade  
June. Moist or dry

**New York Ironweed**  
*Veronica novaboracensis*  
3 - 6 ft., Full sun  
August - September

**New England Aster**  
*Symphyotrichum novae-angliae*  
3 - 5 ft., Full sun  
October - November  
Medium

**Queen of the Prairie**  
*Filipendula rubra*  
6 - 8 ft.  
Full sun - Part shade  
June - August  
Wet

**Lavender Hyssop**  
*Hyssop officinalis*  
1 - 3 ft.  
Full sun - Part shade  
Dry

**Sunflower (Mammoth)**  
*Heliopsis*  
7 - 12 ft., Full sun  
July - September  
Medium

**Northern Blue Flag**  
*Iris Versicolor*  
2 - 2.5 ft., May - June  
Full Sun - Part shade  
Medium
Native Plants are sturdy perennial plants that are dependable for attracting pollinators year after year.

Ferns

Sweet Fern
Comptonia peregrina
2 - 5 ft., April-June
Sun - Part Shade
Sand, Loam
Dry, Medium, Moist

Maidenhair Fern
Adiantum pedatum
1 - 2 ft.
Part sun - Full shade
Moist humusy

Christmas Fern
Polystichum acrostichoides
1 - 1.5 ft.
Part sun - Full shade
Well-drained, rich

New York Fern
Thelypteris noveboracensis
1 - 2 ft.
Part shade - full shade
Moist humusy

Pennsylvania Sedge
Carex pensylvanica
0.5 - 1 ft.
Shade
Medium, well-drained

Purple Love Grass
Eragrostis spectabilis
1 - 2 ft., Full sun
July - August
Dry

Cinnamon Fern
Osmundastrum cinnamomeum
2 - 3 ft., Shade
Medium - wet

White Wood Aster
Eurybia divaricata
2.5 ft., Full shade
August - September
Dry, acidic soil

Grasses

Christmas Fern
Polystichum acrostichoides
1 - 1.5 ft.
Part sun - Full shade
Well-drained, rich
Asclepias (milkweed) are host plants for Monarch butterflies.

Monarchs can subsist on other plants, but their larvae can eat only milkweed.

Swamp Milkweed
Asclepias incarnata
3 - 4 ft., Full sun
July - September
Medium

Common Milkweed
Asclepias syriaca
2 - 4 ft.
Full sun - Part sun
June - August
Medium

Daisy Fleabane
Erigeron annuus
3 ft., Full sun
May - July, Medium

Short Phlox (white)
Phlox paniculata
12 - 15 in.
Full sun - Part sun
July - September
Medium - Wet

Beardtongue
Penstemon digitalis
3 - 5 ft., Full sun
April - June
Medium - Wet

White Turtlehead
Chelone Glabra
2 - 3 ft.
Part shade
August - October
Medium - Wet

False Aster
Boltonia asteroides
5 - 6 ft.
Full Sun - Mostly Sunny
August - October
Medium - Wet

Mountain Mint
Pycnanthemum muticum
3 - 4 ft.
Full sun - part shade
Moist, well-drained

Asclepias (milkweed) are host plants for Monarch butterflies. Monarchs can subsist on other plants, but their larvae can eat only milkweed.
**SHRUBS -- Shade --- Part Shade**

**Winterberry Holly**  
*Ilex verticillata*  
3 - 12 ft., Full sun - Part shade, June - July  
Medium - wet soil  
Need male & female  

**Wild Ginger**  
*Asarum canadense*  
< 1 ft.  
Part shade - Full shade  
April - May  
Medium wet  

**Wild Geranium (Cranesbill)**  
*Geranium maculatum*  
14 - 18 in.  
Sun - Part shade  
April - May  

**Lowbush Blueberry**  
*Vaccinium angustifolium*  
(native blueberry)  
1 - 1.5 ft.  
Shade - Part shade  
Summer  
Wet, well-drained soil  

**Winterberry Holly**  
*Ilex verticillata*  
3 - 12 ft., Full sun - Part shade, June - July  
Medium - wet soil  
Need male & female  

**Wild Ginger**  
*Asarum canadense*  
< 1 ft.  
Part shade - Full shade  
April - May  
Medium wet  

**Wild Geranium (Cranesbill)**  
*Geranium maculatum*  
14 - 18 in.  
Sun - Part shade  
April - May  

**Canada anemone**  
*Anemone canadensis*  
1 - 2 ft.  
Full - Part Shade  
April - June  
Medium - Wet  

**Solomon’s Plume**  
*Maianthemum racemosum*  
2 ft., Full-shade - Part Shade, April - June  
Medium - Wet  

**Goat’s Beard**  
*Aruncus dioicus*  
3 - 4 ft. mound  
Part shade  
May - June  
Moist rich soil  

**Canada anemone**  
*Anemone canadensis*  
1 - 2 ft.  
Full - Part Shade  
April - June  
Medium - Wet  

**Solomon’s Plume**  
*Maianthemum racemosum*  
2 ft., Full-shade - Part Shade, April - June  
Medium - Wet  

**Goat’s Beard**  
*Aruncus dioicus*  
3 - 4 ft. mound  
Part shade  
May - June  
Moist rich soil  

**High Bush Blueberry shrubs need a male and female to reproduce. Expect berries in the summer of 3rd year.**

**Goat’s Beard**  
*Aruncus dioicus*  
3 - 4 ft. mound  
Part shade  
May - June  
Moist rich soil  

**Viburnum (Arrowhead)**  
*Viburnum dentatum*  
8 - 10 ft.  
Sun, Part shade, Shade  
May - July, Wetlands  
Moist acidic soils  

**Solomon Seal**  
*Polygonatum biflorum*  
4 ft., Full Sun - Full Shade  
May - June, Medium  

**Hepatica**  
*Hepatica acutiloba*  
0.5 - 1 ft.  
Full Sun - Part Shade  
Late winter - early Spring, Moist  

**Viburnum (Arrowhead)**  
*Viburnum dentatum*  
8 - 10 ft.  
Sun, Part shade, Shade  
May - July, Wetlands  
Moist acidic soils  

**Solomon Seal**  
*Polygonatum biflorum*  
4 ft., Full Sun - Full Shade  
May - June, Medium  

**Hepatica**  
*Hepatica acutiloba*  
0.5 - 1 ft.  
Full Sun - Part Shade  
Late winter - early Spring, Moist  

**Viburnum (Arrowhead)**  
*Viburnum dentatum*  
8 - 10 ft.  
Sun, Part shade, Shade  
May - July, Wetlands  
Moist acidic soils  

**Solomon Seal**  
*Polygonatum biflorum*  
4 ft., Full Sun - Full Shade  
May - June, Medium  

**Hepatica**  
*Hepatica acutiloba*  
0.5 - 1 ft.  
Full Sun - Part Shade  
Late winter - early Spring, Moist  

**Viburnum (Arrowhead)**  
*Viburnum dentatum*  
8 - 10 ft.  
Sun, Part shade, Shade  
May - July, Wetlands  
Moist acidic soils  

**Solomon Seal**  
*Polygonatum biflorum*  
4 ft., Full Sun - Full Shade  
May - June, Medium  

**Hepatica**  
*Hepatica acutiloba*  
0.5 - 1 ft.  
Full Sun - Part Shade  
Late winter - early Spring, Moist  

**Viburnum (Arrowhead)**  
*Viburnum dentatum*  
8 - 10 ft.  
Sun, Part shade, Shade  
May - July, Wetlands  
Moist acidic soils  

**Solomon Seal**  
*Polygonatum biflorum*  
4 ft., Full Sun - Full Shade  
May - June, Medium  

**Hepatica**  
*Hepatica acutiloba*  
0.5 - 1 ft.  
Full Sun - Part Shade  
Late winter - early Spring, Moist  

**Wild Ginger**  
*Asarum canadense*  
< 1 ft.  
Part shade - Full shade  
April - May  
Medium wet  

**Wild Geranium (Cranesbill)**  
*Geranium maculatum*  
14 - 18 in.  
Sun - Part shade  
April - May  

**Lowbush Blueberry**  
*Vaccinium angustifolium*  
(native blueberry)  
1 - 1.5 ft.  
Shade - Part shade  
Summer  
Wet, well-drained soil  

**High Bush Blueberry shrubs need a male and female to reproduce. Expect berries in the summer of 3rd year.**
**Common Ninebark**  
*Physocarpus opulifolius*  
5 - 10 ft.  
Full sun - Part shade  
May, Low soil fertility  
Dry - medium

**American Black Elderberry**  
*Sambucus nigra ssp. canadensis*  
10 - 15 ft., Part shade  
Summer  
Moist, rich

**Mountain Laurel**  
*Kalmia latifolia*  
5 - 15 ft., Part shade  
May  
Cool, rich soils  
Medium

**Bayberry**  
*Morella pensylvanica*  
6 - 10 ft.  
Full sun - Part shade  
May - June  
Dry - medium

**Staghorn Sumac**  
*Rhus typhina*  
10 - 25 ft.  
Sun - Part shade  
Spring, Fall Drupes  
Widely adaptable

**Spice Bush**  
*Lindera benzion*  
6 - 12 ft.  
Full sun - part shade  
March  
Medium

**Sweet Pepper Bush**  
*Clethra anifolia*  
3 - 8 ft.  
Full sun - Part shade  
July - August  
Medium - Wet

**Serviceberry**  
*Amelanchier canadensis*  
15-25 ft.  
Full sun - shade  
May-June, July - frost  
Moist, well-drained

**Foamflower**  
*Tiarella cordifolia*  
6 - 12 in.  
Part sun - Part Shade  
May-July, fall  
Cool, moist

**White Snowberry**  
*Symphoricarpos albus*  
3 - 5 ft.  
Full - Part Sun  
June - July  
Sand, Loam, Clay  
Dry, Medium, Moist

**Buttonbush**  
*Cephalanthus occidentalis*  
6 - 12 ft.  
Part shade - Shade  
June - September  
Moist - Wet soil

**Oakleaf Hydrangea**  
*Hydrangea querifole*  
4-6 ft.  
Sun-Part Shade  
June - July  
Cool, rich soils  
Medium