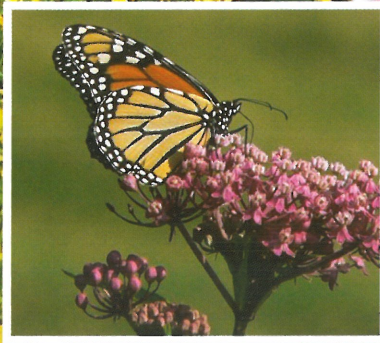


# Going Native

## A Guide to Landscaping with Native Plants in the Barnegat Bay Watershed



### What are native plants?

Native plants have evolved over thousands of years to be adapted to conditions in a particular region and to the other plants and animals around them.

### How can I choose the best plants for my yard?

Use the chart inside to guide you in selecting the native plants best suited to the growing conditions in your yard. You will also want to consider plant height, flower color, bloom time, and wildlife value when making your selections.

### Why should I grow them?

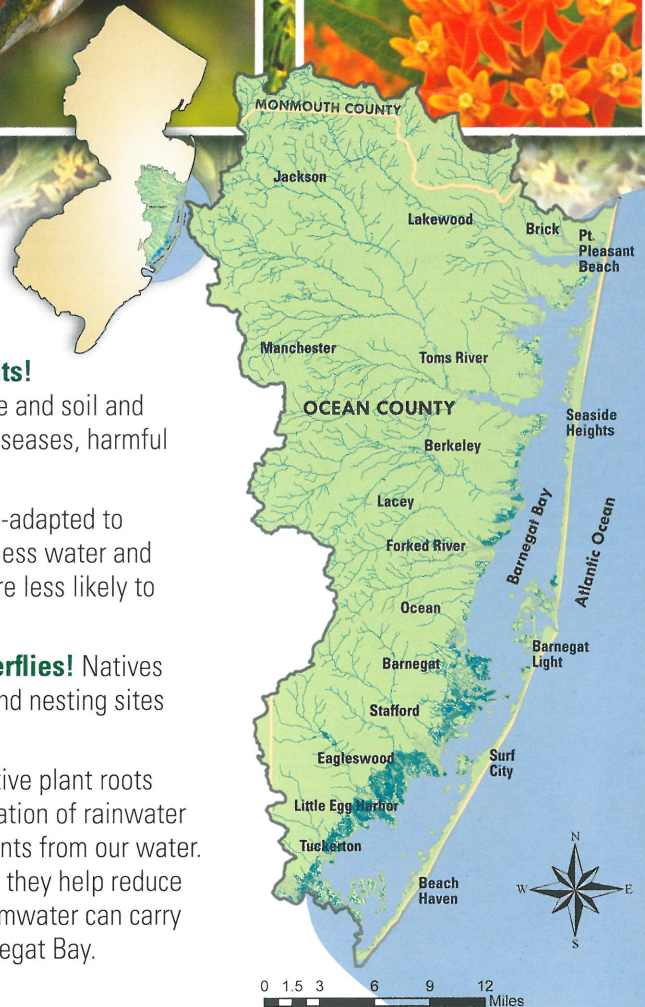
#### To enjoy beautiful, hardy plants!

Natives thrive in our local climate and soil and have natural defenses to plant diseases, harmful insects, and other pests.

**To save time and money!** Well-adapted to local conditions, natives require less water and fertilizer than non-natives, and are less likely to need pesticides.

**To bring in the birds and butterflies!** Natives provide essential food, shelter, and nesting sites for native wildlife.

**To improve water quality!** Native plant roots hold soil in place, increase infiltration of rainwater into the ground, and filter pollutants from our water. Since natives need less fertilizer, they help reduce the quantity of fertilizer that stormwater can carry into our waterways and the Barnegat Bay.





































































































# SHRUBS & TREES

PHOTO	NAME Common & Scientific	HEIGHT	FLOWERS Bloom Time & Color	LIGHT	SOIL Moisture & Type	WILDLIFE	NOTES
	<b>American Holly</b> <i>Ilex opaca</i>	15' - 40'	MAR APR <b>MAY JUN</b> JUL AUG SEP OCT small, white	 	  C L		evergreen; pyramid shape; red berries in Oct.
	<b>Arrowwood</b> <i>Viburnum dentatum</i>	5' - 10'	MAR APR <b>MAY JUN</b> JUL AUG SEP OCT flat white clusters	  	 -  -  L S O	 	blue-black berries in Sept.; red fall foliage
	<b>Beach Plum</b> <i>Prunus maritima</i>	4' - 15'	MAR <b>APR MAY</b> JUN JUL AUG SEP OCT white clusters		 -  L S		edible purplish-black fruit in Aug.; good for jelly; tolerates salt
	<b>Buttonbush</b> <i>Cephalanthus occidentalis</i>	6' - 10'	MAR APR MAY JUN <b>JUL AUG</b> SEP OCT creamy white	 	 -  -  C L S O	 	ball-shaped clusters of fragrant flowers; tolerates wet areas
	<b>Eastern Red Cedar</b> <i>Juniperus virginiana</i>	25' - 50'	MAR <b>APR</b> MAY JUN JUL AUG SEP OCT green or yellow	 	 -  C L S		evergreen; blue fruit loved by birds; drought-tolerant
	<b>Eastern Redbud</b> <i>Cercis canadensis</i>	20' - 35'	MAR <b>APR</b> MAY JUN JUL AUG SEP OCT magenta	  	 -  L S	 	one of the earliest bloomers; drought-resistant
	<b>Highbush Blueberry</b> <i>Vaccinium corymbosum</i>	4' - 10'	MAR <b>APR MAY JUN</b> JUL AUG SEP OCT white- pinkish	  	 -  -  L S O	 	blueberries July- Aug.; red fall color; add organic matter to soil
	<b>Inkberry Holly</b> <i>Ilex glabra</i>	4' - 10'	MAR APR <b>MAY JUN</b> JUL AUG SEP OCT small, greenish- white	 	 -  C L S O		evergreen; black berries in Sept. on female plants
	<b>Mountain Laurel</b> <i>Kalmia latifolia</i>	8'-12'	MAR APR <b>MAY JUN</b> JUL AUG SEP OCT white to pink	  	 -  -  C L S O		evergreen; nice addition to woodland garden
	<b>Ninebark</b> <i>Physocarpus opulifolius</i>	4' - 8'	MAR APR <b>MAY JUN</b> JUL AUG SEP OCT white to pink	 	 -  -  C L	 	domed flower clusters; likes sandy soil
	<b>Northern Bayberry</b> <i>Morella pensylvanica</i>	2' - 8'	MAR <b>APR</b> MAY JUN JUL AUG SEP OCT small, yellow-green	 	 -  -  C L S		waxy bluish-white berries in Sept.; plants will sucker and form colonies
	<b>Red Chokeberry</b> <i>Photinia pyrifolia</i>	6' - 10'	MAR <b>APR MAY</b> JUN JUL AUG SEP OCT clusters of white	 	 -  -  C L S		red fruit in Sept. persists through winter; great red fall color
	<b>Red Twig Dogwood</b> <i>Cornus sericea</i>	8' - 12'	MAR APR <b>MAY JUN</b> JUL AUG SEP OCT white		 -  L		bright red stems for winter interest
	<b>River Birch</b> <i>Betula nigra</i>	40' - 60'	MAR <b>APR MAY</b> JUN JUL AUG SEP OCT brown	 	 -  C L		attractive exfoliating bark; can grow on flood-prone land
	<b>Shadbush or Serviceberry</b> <i>Amelanchier canadensis</i>	35' - 50'	MAR <b>APR MAY</b> JUN JUL AUG SEP OCT small, white	 	 -  C L S	 	one of the earliest bloomers; red to purple fruit in July
	<b>Sweet Pepperbush</b> <i>Clethra alnifolia</i>	5' - 8'	MAR APR MAY JUN <b>JUL AUG</b> SEP OCT white	  	 -  C L S	 	brown seed heads Sept.-Feb.; deer-resistant
	<b>Sweetbay Magnolia</b> <i>Magnolia virginiana</i>	12' - 30'	MAR APR <b>MAY JUN JUL</b> AUG SEP OCT creamy white	  	 -  C L S		fragrant flowers; tolerates flooding and salt
	<b>Sweetspire</b> <i>Itea virginica</i>	4' - 8'	MAR APR <b>MAY JUN</b> JUL AUG SEP OCT white	  	 -  C L S	 	fragrant flowers; good fall color
	<b>Winged Sumac</b> <i>Rhus copallinum</i>	8' - 15'	MAR APR MAY JUN <b>JUL AUG SEP</b> OCT yellowish green	 	 -  C L S	 	dark red fruit persists over winter; great fall color
	<b>Winterberry Holly</b> <i>Ilex verticillata</i>	4' - 10'	MAR APR MAY <b>JUN</b> JUL AUG SEP OCT small, white	  	 -  C L S O		red berries Oct.-Dec. on female plants





















# HERBACEOUS PERENNIALS






























PHOTO	NAME Common & Scientific	HEIGHT	FLOWERS Bloom Time & Color	LIGHT	SOIL Moisture & Type	WILDLIFE	NOTES
	<b>Bee Balm</b> <i>Monarda didyma</i>	24" - 48"	MAR APR MAY <b>JUN JUL AUG SEP</b> OCT pink to red	 	 -  L	 	fragrant flowers and foliage
	<b>Black-Eyed Susan</b> <i>Rudbeckia hirta</i>	12" - 36"	MAR APR MAY <b>JUN JUL AUG SEP</b> OCT yellow	 	 -  C L	 	long bloom time
	<b>Blazing Star</b> <i>Liatris spicata</i>	12" - 36"	MAR APR MAY <b>JUN JUL AUG</b> SEP OCT purple spikes	 	 -  C L S	 	drought-tolerant
	<b>Butterfly Weed</b> <i>Asclepias tuberosa</i>	12" - 36"	MAR APR <b>MAY JUN JUL</b> AUG SEP OCT orange	 	 -  L S	 	favorite food of Monarch butterflies; attractive seedpods
	<b>Cardinal Flower</b> <i>Lobelia cardinalis</i>	24" - 48"	MAR APR MAY <b>JUN JUL AUG SEP</b> OCT red	 	 -  C L	 	intense red color attracts hummingbirds
	<b>Columbine</b> <i>Aquilegia canadensis</i>	6" - 36"	MAR <b>APR MAY JUN</b> JUL AUG SEP OCT red to yellow	 	 -  L	 	unique, showy two-toned flowers; good in woodland gardens; spreads by seed
	<b>Common Boneset</b> <i>Eupatorium perfoliatum</i>	36" - 60"	MAR APR MAY <b>JUN JUL AUG SEP</b> OCT white	  	 -  C L S	 	flat top flower clusters attract butterflies; popular herb; good for wet site
	<b>False Sunflower</b> <i>Heliopsis helianthoides</i>	36" - 60"	MAR APR MAY <b>JUN JUL AUG SEP</b> OCT yellow	 	 -  L S		attractive daisy-like flower with a long bloom time
	<b>Foamflower</b> <i>Tiarella cordifolia</i>	12" - 24"	MAR APR <b>MAY JUN</b> JUL AUG SEP OCT spikes of white	 	 L		interesting foliage; great choice for a shade garden
	<b>Foxglove Beardtongue</b> <i>Penstemon digitalis</i>	24" - 60"	MAR APR MAY <b>JUN JUL</b> AUG SEP OCT white to pink	 	 -  C L S		tolerates poor drainage
	<b>Great Blue Lobelia</b> <i>Lobelia siphilitica</i>	12" - 36"	MAR APR MAY <b>JUN JUL AUG SEP</b> OCT blue spike	 	 -  C L S	 	interesting, long-blooming blue flowers
	<b>Joe-Pye Weed</b> <i>Eupatoriadelphus fistulosum</i>	12" - 96"	MAR APR MAY <b>JUN JUL AUG SEP</b> OCT pink-purple	 	 -  -  C L	 	large plant that needs space; tolerates wet areas
	<b>Mistflower</b> <i>Conoclinium coelestinum</i>	12" - 42"	MAR APR MAY <b>JUN JUL AUG SEP</b> OCT blue to violet	 	 -  -  C L	 	flat clusters of fuzzy flowers are an excellent nectar source; can spread quickly
	<b>New England Aster</b> <i>Symphyotrichum novae-angliae</i>	18" - 72"	MAR APR MAY <b>JUN JUL AUG SEP</b> OCT blue to violet	 	 L	 	pinch to keep plant compact
	<b>Pink Tickseed</b> <i>Coreopsis rosea</i>	18" - 24"	MAR APR MAY <b>JUN JUL</b> AUG SEP OCT pink	 	 L S		deer-resistant; can spread quickly
	<b>Purple Coneflower</b> <i>Echinacea purpurea</i>	24" - 36"	MAR APR MAY <b>JUN JUL AUG</b> SEP OCT purple-pink		 -  C L S	 	popular herb; goldfinches love its seeds
	<b>Rosemallow</b> <i>Hibiscus moscheutos</i>	36" - 72"	MAR APR MAY <b>JUN JUL AUG SEP</b> OCT cream and pink	 	 -  C L		large two-toned flowers; can tolerate fresh or brackish tidal marsh
	<b>Seaside Goldenrod</b> <i>Solidago sempervirens</i>	12" - 72"	MAR APR MAY <b>JUN JUL AUG SEP</b> OCT yellow	 	 -  L S	 	thrives in coastal areas; tolerates salt, sand, and drought
	<b>Sneezeweed</b> <i>Helenium autumnale</i>	18" - 60"	MAR APR MAY <b>JUN JUL AUG SEP</b> OCT yellow	 	 C L S		interesting flower; can tolerate wet areas



## HERBACEOUS PERENNIALS

PHOTO	NAME Common & Scientific	HEIGHT	FLOWERS Bloom Time & Color	LIGHT	SOIL Moisture & Type	WILDLIFE	NOTES
	<b>Swamp Milkweed</b> <i>Asclepias incarnata</i>	36" - 60"	MAR APR <b>MAY JUN</b> JUL AUG SEP OCT pink	 	 -  C L		attracts butterflies (especially Monarchs); can tolerate wet areas, unlike butterfly weed
	<b>White Turtlehead</b> <i>Chelone glabra</i>	18" - 36"	MAR APR MAY <b>JUN JUL</b> AUG SEP OCT white	 	 -  C L S		flower looks like turtle's head; will spread; good in a shade garden
	<b>Wild Bergamot</b> <i>Monarda fistulosa</i>	18" - 60"	MAR APR MAY <b>JUN JUL</b> AUG SEP OCT pink to purple	 	 -  C L		fragrant flowers and foliage; can spread

## GRASSES

PHOTO	NAME Common & Scientific	HEIGHT	FLOWERS Bloom Time & Color	LIGHT	SOIL Moisture & Type	WILDLIFE	NOTES
	<b>American Beachgrass</b> <i>Ammophila breviligulata</i>	1' - 3.5'	MAR APR MAY JUN <b>AUG SEP</b> OCT		 L S		can grow in sand; spreads rapidly by rhizomes
	<b>Coastal Panicgrass</b> <i>Panicum amarum</i>	4' - 6'	MAR APR MAY JUN <b>AUG SEP</b> OCT		 -  L S		blue-green leaves; tolerates salt and sandy soil
	<b>Little Bluestem</b> <i>Schizachyrium scoparium</i>	2' - 4'	MAR APR MAY <b>JUN JUL</b> AUG SEP OCT green to reddish tan		 L S		exceptional drought tolerance; very ornamental; turns bronze-orange after frost
	<b>Prairie Cordgrass</b> <i>Spartina pectinata</i>	4' - 6'	MAR APR MAY JUN <b>AUG SEP</b> OCT		 L		can get quite tall; good for shore areas; tolerates fresh and brackish tidal flooding
	<b>Saltmeadow Cordgrass</b> <i>Spartina patens</i>	1' - 3'	MAR APR MAY JUN <b>AUG SEP</b> OCT		 -  C L S		can spread rapidly; tolerates wet areas
	<b>Switchgrass</b> <i>Panicum virgatum</i>	3' - 6'	MAR APR MAY JUN <b>AUG SEP</b> OCT green to brown to rose	 	 -  C L S	 	bunch grass with great fall color; tolerates wet areas

### KEY

#### LIGHT



- Shade = less than 3 hours of direct sunlight a day, or filtered sunlight
- Partial shade = approximately 3 to 6 hours of direct sunlight a day
- Full sun = at least 6 hours of direct sunlight a day

#### SOIL CONDITIONS – Moisture



- Dry = water does not remain after a rain
- Moist = soil is damp, and occasionally saturated
- Wet = soil is saturated, except during droughts

#### SOIL CONDITIONS – Type

C L S O

- Organic** soil (contains a high percentage of organic matter such as decayed leaves)
- Sandy** or coarse-textured soil
- Loamy** or medium-textured soil (contains a mix of mostly silt and sand)
- Clay** or fine-textured soil

#### WILDLIFE



Butterflies



Hummingbirds



Songbirds



Beneficial Insects

The beneficial insect icon includes bees and other pollinators, as well as ladybugs and other insects that help to control pests.

#### HERBACEOUS PERENNIAL

A non-woody plant that lives for more than two years. It dies back at the end of each growing season, then re-emerges each spring from the root stock.

#### PHOTO CREDITS

USDA-NRCS PLANTS Database  
<http://plants.usda.gov>

Missouri Botanical Garden Plant Finder  
[www.missouribotanicalgarden.org/gardens-gardening/your-garden/plant-finder.aspx](http://www.missouribotanicalgarden.org/gardens-gardening/your-garden/plant-finder.aspx)



# SAMPLE DESIGNS FOR A NATIVE PLANT GARDEN

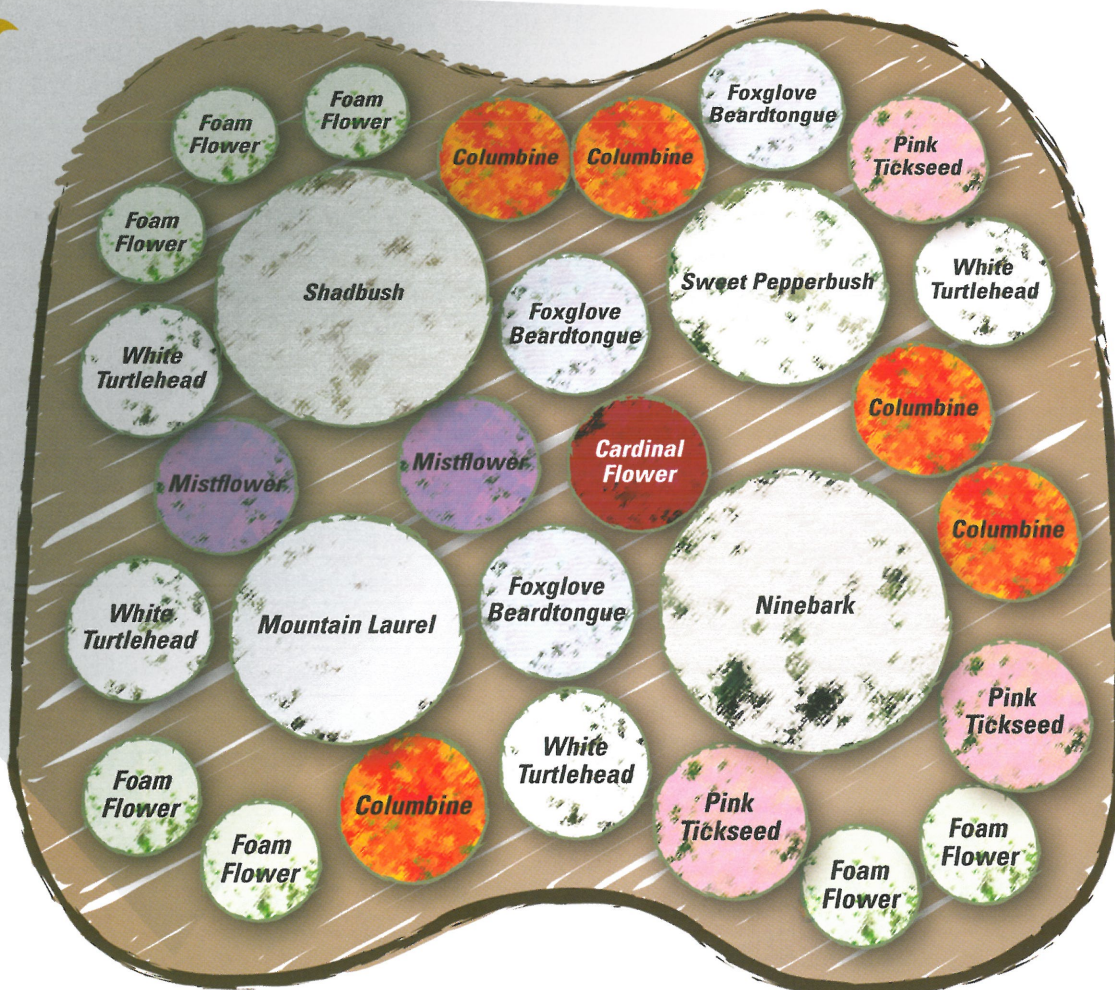
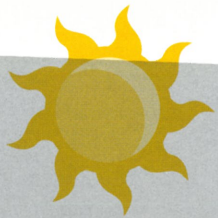
## Native Plant Garden for Sunny Locations



8 feet

12 feet

## Native Plant Garden for Shady Locations



12 feet



## USEFUL RESOURCES

<b>American Littoral Society</b>	<a href="http://www.littoralsociety.org/Bayscape_for_Barnegat_Bay.aspx">www.littoralsociety.org/Bayscape_for_Barnegat_Bay.aspx</a> (Bayscape for Barnegat Bay Program)
<b>Bowman's Hill Wildflower Preserve</b>	<a href="http://www.bhwp.org/resources/Gardening-with-Natives.htm">www.bhwp.org/resources/Gardening-with-Natives.htm</a> (Gardening with Natives)
<b>Native Plant Society of New Jersey</b>	<a href="http://npsnj.org">http://npsnj.org</a> (Lists of Native Plants and Nurseries)
<b>New Jersey Department of Environmental Protection Forest Resource Education Center</b>	<a href="http://www.state.nj.us/dep/parksandforests/forest/njfs_frep.html">www.state.nj.us/dep/parksandforests/forest/njfs_frep.html</a> (NJ Forest Nursery)
<b>New Jersey Pinelands Commission</b>	<a href="http://www.nj.gov/pinelands/infor/yard">www.nj.gov/pinelands/infor/yard</a> (Landscaping/Backyard Habitat)
<b>Ocean County Soil Conservation District</b>	<a href="http://www.soildistrict.org">www.soildistrict.org</a> (Soil Conservation and Soil Health; "Low Maintenance Landscaping for the Barnegat Bay Watershed: A Guide for Ocean County Homeowners")
<b>Pinelands Preservation Alliance</b>	<a href="http://www.pinelandsalliance.org/ecology/plants/pinelandsnativeplants">www.pinelandsalliance.org/ecology/plants/pinelandsnativeplants</a> (Pinelands Native Plant Resources)
<b>Rutgers Cooperative Extension</b>	<a href="http://www.water.rutgers.edu">www.water.rutgers.edu</a> (Water Resources Program – rain gardens)  <a href="http://ocean.njaes.rutgers.edu/garden">http://ocean.njaes.rutgers.edu/garden</a> (RCE and Master Gardeners of Ocean County)
<b>United States Department of Agriculture Natural Resources Conservation Service (USDA NRCS)</b>	<a href="http://plants.usda.gov">http://plants.usda.gov</a> (Plants Database)
<b>United States Forest Service</b>	<a href="http://www.fs.fed.us/wildflowers/nativegardening/index.shtml">www.fs.fed.us/wildflowers/nativegardening/index.shtml</a> (Native Gardening)

**SEE A LIST OF NATIVE PLANT NURSERIES AND SUPPLIERS**  
on the Barnegat Bay Partnership's website, <http://bbp.ocean.edu>.

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For additional copies of this publication, email Barnegat Bay Partnership at [bbp@ocean.edu](mailto:bbp@ocean.edu).

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and the Delaware Sea Grant College Program ([www.deseagrant.org/products/native-plant-demonstration-garden-plant-guide](http://www.deseagrant.org/products/native-plant-demonstration-garden-plant-guide)).

COVER PHOTO: Garden photo by Don Knezik.

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ABOVE PHOTO: Black-Eyed Susans photo by Joseph Pirozek.

