

Appendix III. BayScapes Program

BayScapes is a program developed by the U.S. Fish and Wildlife Service and the Alliance for the Chesapeake Bay to promote action to reduce nutrient inputs and other threats to water quality, and encourage the development of environmentally sound landscapes that benefit people, wildlife, and the Chesapeake Bay. The program encourages homeowners and others how to practice conservation landscaping, create wildlife habitat, use native plants, conserve water, create diversity, use integrated pest management, and plan for the long term. The BayScapes Program also emphasizes and facilitates strong participation from larger scale land managers, including Federal, State, and local government facilities, corporate landowners, and communities.

For more information, contact the BayScapes Program at (410) 573-4500 or on the web at <http://www.fws.gov/chesapeakebay/bayscapes.htm>

How to Calculate the Time Needed to Properly Water Your Lawn

From: United States Fish and Wildlife Service. "BayScaping to Conserve Water," A Homeowner's Guide. Annapolis, MD: U.S. Fish & Wildlife Service Chesapeake Bay Field Office and Alliance for the Chesapeake Bay.

To determine how long you should run your water sprinkler to apply 1 inch of water to your lawn, use the following method:

Place your sprinkler in the desired location and set up five equally sized cans or cartons at intervals away from the sprinkler. Place cans no farther than 5 feet apart.

Run your sprinkler for one hour.

After the elapsed time, collect the cans and pour the water into a single can.

Measure the depth of the water you have collected during the 60 minutes and divide the amount of collected water in inches by the number of cans (five) to determine the application rate on an inch(es)-per-hour basis.

Example: If a sprinkler runs for 60 minutes and the total water collected from the five cans is 7.5 inches, the application rate will be 1.5 inches per hour (7.5 inches per 60 minutes divided by five cans equals 1.5 inches per hour). Therefore, to apply 1 inch of water, divide watering time by average depth to arrive at the number of minutes needed to apply 1 inch of water (60 minutes divided by 1.5 inches per hour equals 40 minutes needed to apply 1 inch).



Native Wildflowers and Grasses of the Northeastern U.S.

The following information was compiled by the U.S. Fish and Wildlife Service, Chesapeake Bay Field Office, 177 Admiral Cochrane Drive, Annapolis, MD 21401 (410) 573-4500.

States included: KY, WV, OH, VA, DC, MD, DE, PA, NJ, NY, RI, CT, MA, VT, NH, ME

| Latin Name | Common Name | Type A/P | Color | Ht | Bloom Period | Moisture | | | Soil | | | Sun | | | |
|-------------------------------|---------------------|----------|----------|------|--------------|----------|---|---|------|---|---|-----|---|---|---|
| | | | | | | D | A | W | S | L | C | F | P | S | |
| <i>Wildflowers</i> | | | | | | | | | | | | | | | |
| <i>Aquilegia canadensis</i> | Eastern Columbine | P | Scarlet | 1-2' | Mar-May | • | • | | | • | • | • | • | • | |
| <i>Asclepias incarnata</i> | Swamp Milkweed | P | Pink | 3-5' | Jun-Aug | | • | • | • | • | • | • | • | | |
| <i>Asclepias tuberosa</i> | Butterfly Milkweed | P | Orange | 2-3' | Jun-Aug | • | | | • | • | | • | | | |
| <i>Aster laevis</i> | Smooth Aster | P | Violet | 2-4' | Aug-Oct | • | • | | • | • | | • | | | |
| <i>Aster novae-angliae</i> | New England Aster | P | Purple | 2-6' | Aug-Oct | • | • | | • | • | • | • | • | | |
| <i>Caltha palustris</i> | Marsh Marigold | P | Yellow | 1-2' | Apr-May | | • | • | • | • | | | • | • | |
| <i>Chelone glabra</i> | White Turtlehead | P | White | 2-4' | Aug-Sep | | | • | • | • | | • | • | | |
| <i>Coreopsis lanceolata</i> | Lanceleaf Coreopsis | P | Yellow | 1-2' | Jun-Aug | • | • | | • | • | | • | | | |
| <i>Coreopsis tinctoria</i> | Tickseed Sunflower | A | Yellow | 1-3' | Jun-Sep | • | | | | | | • | • | | |
| <i>Echinacea purpurea</i> | Purple Coneflower | P | Purple | 2-3' | Jul-Sep | • | • | | • | • | • | • | • | | |
| <i>Eupatorium dubium</i> | Joe Pye Weed | P | Purple | 4-7' | Jul-Sep | | • | • | | • | • | | | | |
| <i>Eupatorium perfoliatum</i> | Boneset | P | White | 3-4' | Jul-Aug | | • | • | • | • | • | • | | | |
| <i>Eupatorium purpureum</i> | Joe Pye Weed | P | Pink | 2-6' | Jul-Sep | | • | | | • | | | | | |
| <i>Iris versicolor</i> | Blue Flag Iris | P | Purple | 2-3' | Jun-Jul | | | • | • | • | | | | | |
| <i>Liatis spicata</i> | Blazingstar | P | Purple | 2-5' | Jun-Sep | • | • | | | | | • | • | | |
| <i>Lobelia cardinalis</i> | Cardinal Flower | P | Red | 2-5' | Jul-Sep | | • | • | • | • | | • | • | | |
| <i>Lupinus perennis</i> | Lupine | P | Blue | 1-2' | May-Jun | • | • | | • | | | • | • | | |
| <i>Monarda didyma</i> | Bee Balm | P | Scarlet | 2-4' | Jun-Jul | | • | • | | • | • | • | • | | |
| <i>Monarda fistulosa</i> | Wild Bergamot | P | Lavender | 2-5' | Jun-Jul | • | • | | • | • | • | • | • | • | |
| <i>Oenothera biennis</i> | Evening Primrose | A/P | Yellow | 3-6' | Jun-Oct | • | • | | • | • | | • | • | | |
| <i>Oenothera perennis</i> | Sundrops | P | Yellow | 1-3' | May-Aug | • | | | • | | | | | | |
| <i>Penstemon digitalis</i> | Smooth Penstemon | P | White | 2-3' | Jun-Jul | • | • | | • | • | • | • | • | | |
| <i>Penstemon leavigatus</i> | Beardtongue | P | White | 1-2' | May-Jun | | • | | | • | | | | • | • |

| Latin Name | Common Name | Type A/P | Color | Ht | Bloom Period | Moisture | | | Soil | | | Sun | | | |
|--------------------------------|-------------------|----------|--------|-------|--------------|----------|---|---|------|---|---|-----|---|---|--|
| | | | | | | D | A | W | S | L | C | F | P | S | |
| <i>Wildflowers</i> | | | | | | | | | | | | | | | |
| <i>Phlox divaricata</i> | Blue Phlox | P | Blue | .5-1' | Apr-May | | • | | | • | | | • | • | |
| <i>Rudbeckia hirta</i> | Black Eyed Susan | P | Yellow | 1-3' | Jul-Sep | • | • | | • | • | • | • | • | • | |
| <i>Solidago rugosa</i> | Rough Goldenrod | P | Yellow | 3-5' | Aug-Oct | | • | • | • | • | | • | • | | |
| <i>Thalictrum dayscarpum</i> | Meadowrue | P | White | 3-6' | Jun-Jul | | • | • | • | • | • | • | • | • | |
| <i>Vernonia noveboracensis</i> | New York Ironweed | P | Purple | 5-8' | Aug-Sep | | • | • | | • | • | • | • | • | |
| <i>Viola pedata</i> | Birds Foot Violet | P | Purple | 1' | Mar-Jun | • | | | • | • | | • | | | |

| Latin Name | Common Name | Type A/P | Color | Ht | Bloom Period | Moisture | | | Soil | | | Sun | | | |
|--------------------------------|-----------------|----------|-------|------|--------------|----------|---|---|------|---|---|-----|---|---|--|
| | | | | | | D | A | W | S | L | C | F | P | S | |
| <i>Grasses</i> | | | | | | | | | | | | | | | |
| <i>Andropogon gerardi</i> | Big Bluestem | P | ∅ | 3-8' | | • | • | • | • | • | • | • | • | • | |
| <i>Andropogon virginicus</i> | Broomsedge | P | | 1-3' | | • | • | | • | • | • | • | • | | |
| <i>Elymus canadensis</i> | Canada Wild Rye | P | | | | • | • | | • | • | • | • | • | | |
| <i>Panicum virgatum</i> | Switchgrass | P | | 3-6' | | | • | • | • | • | • | • | • | | |
| <i>Schizachyrium scoparium</i> | Little Bluestem | P | | 4' | | • | • | | • | • | | • | • | | |
| <i>Sorghastrum nutans</i> | Indiangrass | P | | 5-7' | | • | • | | • | • | | • | • | | |

∅ **Note:** The grasses are various shades of greens, blues, goldens, coppers during different times of the year.

This list was developed from several sources and represents only a partial list of species. Most species were selected because of their availability from some seed companies. Most plants are also available in pots.

Sampling of Other Native Plants

| | Name | Height | Features |
|------------------|---|--------|--|
| Evergreen Trees | American Holly, <i>Ilex opaca</i> | 45' | red berry; wildlife value; needs moist, acid soil |
| | Eastern Red Cedar, <i>Juniperus virginiana</i> | 80' | pyramidal; wildlife value; thick branches, dense foliage; tolerates poor soils |
| | Canadian Hemlock, <i>Tsuga canadensis</i> | 90' | pyramidal; dense habitat; wildlife value; prefers rich, moist soil |
| Deciduous Trees | Shagbark Hickory, <i>Carya ovata</i> | 60-80' | oval; narrow habitat; nuts; wildlife value; needs deep, rich soil and sun |
| | White Oak, <i>Quercus alba</i> | 60-90' | round-headed, largest of oaks; wildlife value; tolerates range of soils |
| | Sourwood, Sorrel Tree, <i>Oxydendron arboreum</i> | 40-60' | pyramidal; flowers in July, glossy foliage, striking fall color |
| Evergreen Shrubs | Inkberry, <i>Ilex glabra</i> | 3-15' | globular; nectar for bees, open habit, small leaf, black berry; tolerates sandy, peaty, acid soil |
| | Bayberry, <i>Myrica pensylvanica</i> | 4-8' | persistent leaves, aromatic; wildlife value; tolerates dry, sandy soils |
| | Wax Myrtle, <i>Myrica cerifera</i> | 25-30' | persistent leaves; wildlife value; grayish-waxy fruit, inconspicuous flowers |
| Deciduous Shrubs | Red Chokeberry, <i>Aronia arbutifolia</i> | 9' | flowers May-June, smooth pale leaves, red berry; wildlife value; tolerates wet acid or dry soil |
| | Sweet Pepperbush, <i>Clethra alnifolia</i> | 6' | oval; fragrant flower July-Aug, persistent brown seed; wildlife value; tolerates acid wet or dry soil and some shade |
| | Flame Azalea, <i>Rhododendron calendulaceum</i> | 9' | oval; May-June flower; tolerates dry, acid soil and light shade |
| Ground Covers | Violet Wood Sorrel, <i>Oxalis violacea</i> | 4-8" | excellent for rock gardens; tolerates some shade, dry soil, and drought |
| | Blazing Star, <i>Liatris spicata</i> | 1-3" | rose-purple flowers, late summer bloom, hairy stem |
| | Bird-Foot Violet | 2-6" | purple flowers; tolerates some shade, dry soil, and drought |

Some Native Plant Nurseries

Note, the Department of Natural Resources neither recommends nor endorses any particular company. The following is a sampling of a list provided by the U.S. Fish and Wildlife Service. This list is not comprehensive but is provided for informational purposes. Please contact the nurseries directly for a catalog and conditions of sale. Fish and Wildlife Service also suggests using nativeplantcenter.net

MARYLAND

Adkins Arboretum

12610 Eveland Road
PO Box 100
Ridgely, MD 21660
(410) 634-2847
Web: adkinsarboretum.org

American Native Plants

7500 Marshy Point Road
Middle River, MD 21220
(410)529-0552, wholesale
(443) 552-7022, retail
Web: americannativeplants.com

Babikow Greenhouses

7838 Babikow Road
Baltimore, MD 21237
(800) 835-7617

Clear Ridge Nursery, Inc.

217 Clear Ridge Road
Union Bridge, MD 21791
(410) 848-4789
(410) 848-5806(fax)

Conard-Pyle

613 Hayden Road
Centreville, MD 21617
(410) 758-3766

Eastern Shore Nurseries

30104 Dover Road
Easton, MD 20601
(410) 822-1320
easternshorenurseries.com

Environmental Concern, Inc.

P.O. Box P, 201 Boundary Lane
St. Michaels, MD 21663
(410) 745-9620
(410) 745-3517 (fax)
Web: www.wetland.org

Heartwood Nursery

2121 Blue Mount Road
Monkton, MD 21111
(410) 343-0390
(410) 357-8799 (fax)
heartwoodnurseryinc.com

Kollar Environmental Services

5200 West Heaps Road
Pylesville, MD 21132
(410) 836-0500
(410) 836-1931
Web: kollarnursery.com

Kurt Bluemel Inc.

2740 Greene Lane
Baldwin, MD 21013
Web: kurtbluemel.com

Signature Horticultural Services

19960 Gore Mill Road
Freeland, MD 21053
(410) 329-6466
(410) 329-2156 (fax)

FOR MORE PLANT INFORMATION

Irvine Natural Science Center

8400 Greenspring
Stevenson, MD 21153
(410) 484-2413
(410) 484-3573 (fax)
Web: explorenature.org

MD Native Plant Society

P.O. Box 4877
Silver Spring, MD 20914
Web: mdflora.org

The National Arboretum

Education Department
3501 New York Ave., NE
Washington DC 20002
(202) 245-4521
(202) 245-4575
Web: usna.usda.gov

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Web: www.altgarden.com

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Lawrenceburg, IN 47025

(513) 354-1482

www.gardensalive.com

Gempler's Pest Management Supply Company

PO Box 44993

Madison, WI 53744

(800) 382-8473

Web: www.gemplers.com