



ENVIRONMENTAL CONCERN INC.



## 2010 Wholesale Nursery Catalog of Native Wetland Plants



Visit us online at [www.wetland.org](http://www.wetland.org)



# ENVIRONMENTAL CONCERN INC.

## Celebrating our 38th year – and still growing!

Environmental Concern (EC) is proud to offer you the highest quality native wetland plant material in the mid-Atlantic region. Since 1972, EC has been propagating native wetland plants from locally collected seed, developing state-of-the-art restoration practices, and educating the public throughout the country about the importance of wetlands. After thirty-eight years of pioneering native plant horticulture in the Chesapeake Bay region, our nursery is steadily growing to keep up with demand as more government agencies, communities and individuals realize the benefits and beauty of native plants in the landscape. We look forward to providing you with quality plant materials and excellent, professional service!



We offer group tours of our nursery. Please visit our website, [www.wetland.org](http://www.wetland.org), for details.

### CONTACT INFORMATION & DRIVING DIRECTIONS



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Member of the Maryland Nursery and Landscape Association, Inc.

From the north or the south:

- Take Route 50 to Easton, Maryland.
- Just before entering Easton, follow Route 322 (the Easton Parkway) and proceed to Route 33 (St. Michaels Road).
- Turn at Route 33 and proceed 9 miles to St. Michaels.
- Just before entering St. Michaels, turn left on Boundary Lane.
- Follow Boundary Lane until you see the nursery on your right; turn right at the sign for Environmental Concern Inc.

# 2010 WHOLESALE NURSERY CATALOG

## NURSERY HOURS

The nursery is open for business during the week from 8:00 a.m. to 12:00 noon and 1:00 p.m. to 4:00 p.m. We ask that wholesale customers provide 48 hours advance notice for picking up orders if a date has not previously been arranged.

The EC nursery is structured for wholesale business and is therefore unable to accommodate walk-in customers. If you would like to purchase plant material for your own home or garden, please call, fax, or e-mail your plant list to us and we will check the availability of stock. Orders may then be reserved for pickup or shipment on the next Retail Pick-Up Date.

## TERMS

- Wholesale pricing is listed in this catalog, and applies to the trade only. We welcome the opportunity to provide price quotes. Please submit your list via fax or e-mail.
- The minimum purchase amount is \$25.00 per order.
- Prices are subject to change without notice. We welcome advance orders and will honor prices quoted within three months.
- Payment can be made by check, Visa, MasterCard, and Discover.
- **A 25% non-refundable deposit is required to hold plants. All sales must be paid in full at the time of pick-up or delivery.**
- Orders carried over for more than three months past the scheduled delivery date will be charged an additional holding fee.
- The following discounts are provided to wholesale clients whose invoices are paid within 30 days only. Discounts are based upon the total sales amount according to the following schedule:

Total Sales	Discount
\$101 - \$1,000	2%
\$1,001 - \$3,000	4%
\$3,001 - \$5,000	6%
\$5,001 - \$10,000	10%
\$10,001 - \$20,000	15%

## DELIVERY & SHIPPING

Our truck delivery costs are estimated on the basis of truck size and travel distance round trip. The customer must provide assistance to unload plant material. Please call for a quote regarding delivery cost.

Dormant herbaceous plant materials (bare root, plugs, quart pots) can be packed and shipped by UPS. However, many growing herbaceous plant materials are difficult to ship by UPS. Please call in advance for shipping arrangements.

Dormant and growing tree and shrub seedling plugs can be packed in cartons by the nursery staff and shipped by UPS. All other containerized trees and shrubs should be delivered by Environmental Concern or picked-up by the customer. Please provide at least 48 hours advance notice.

## CLAIMS

Plant materials delivered by EC in unsatisfactory condition or quality must be reported to EC immediately upon receipt. No claims will be considered unless reported within 24 hours of receipt of materials. If damaged materials are received from UPS, Air Freight, Federal Express, or other carriers, this damage must be reported to the carriers immediately for their inspection. EC will not be held responsible for the condition of shipments after they leave our premises by carriers other than our own. All such claims must be filed with the carrier.

## RESTOCKING FEE

Environmental Concern Inc. charges a 20% restocking fee for all orders cancelled or rescheduled with less than 48 hours notice prior to a scheduled pickup, shipment, or delivery. The restocking fee must be paid prior to receipt of plants on all rescheduled orders.

## RECYCLING PLASTIC FLATS & CONTAINERS

We encourage the recycling of plastic flats and containers. Repeat customers may return these items when picking up new orders.

## PLANT PROPAGATION AT EC

In order to maintain maximum genetic diversity, all plant species are propagated from seed whenever possible and practicable.

Our plant material has been certified as free of harmful insect and/or disease per inspection by the Maryland Department of Agriculture.

EC offers courses on wetland horticulture. These courses provide an overview of seed collection, processing, and storage; propagation techniques; and nursery operation. Visit [www.wetland.org](http://www.wetland.org) for more information on courses.

## SEEDLING PLUGS OF TREES, SHRUBS & HERBACEOUS PLANTS

Most of the shrubs and trees listed in the catalog, and an increasing number of emergent, herbaceous species are started from seed in plug or cavity trays. The resulting seedling plugs are then transplanted to, and grown in, larger containers to provide the plants listed in the catalog. The nursery may have 1" x 4.75" (±) seedling plugs of some of the listed shrubs and trees, and 2" plugs for emergent, herbaceous species available for sale. The discount prices given on page 3 of the catalog apply. The heights of the shrub and tree seedling plugs vary from 4" to 12", depending upon the species. Call Nursery Sales regarding the availability of our seedling plugs.

We will be pleased to quote contract growing costs for seedling plugs from seed that you (or we) supply. Contact Nursery Sales for your contract growing needs.

## CONTRACT GROWING NOTICE

EC understands the difficulty in securing plant material for large installations. It is our goal to fill complete orders for our customers. As a result, we will accept orders for plant materials to be grown to specifications from four months to three years in advance. This is the best way to ensure that our customers receive what they need, when they need it, and at the fairest cost we can provide. If given enough lead time, we can make a reasonable attempt to grow native species not found in the catalog.

If plant materials of local native species are needed, EC can collect seed at locations near your project site, if given ample time (1.5 years).

For more information on Contract Growing for a specific project, please contact Nursery Sales at EC as far in advance of the proposed delivery date as possible. **Deposits are non-refundable.**

## REGARDING NATIVE PLANT SPECIES

All of the herbaceous and woody plant species provided by EC's nursery are **native to the Northeastern United States** (ME, NH, VT, MA, CT, RI, NY, NJ, PA, DE, MD, DC, VA, OH, WV, and KY).

All of the listed species **originate from the Delmarva Peninsula** (DE and the eastern shores of MD and VA), unless indicated otherwise (e.g. *Aronia melanocarpa*<sup>ND</sup>). As our stock diminishes throughout the growing season, we may need to grow more plants using seeds or vegetative propagules not originating from Delmarva. If Delmarva stock is necessary for a project, please call to confirm origin.

## REQUIRED INFORMATION FOR PLANTING IN SALTWATER

If plants are to be planted **during the growing season** in water having salinity greater than 10 ppt, please let us know so that we can acclimate the plants to the appropriate level, prior to their shipment or pick-up. If the plants are not acclimated, they may suffer wilting, browning, or mortality after being transplanted (Garbisch 1994). This acclimation does not apply to dormant plants. They self-acclimate as they are breaking dormancy.

The customer accepts all responsibility for informing EC if their plant material will need to be acclimated to a certain salinity. Advance notice is necessary as plants will require time to acclimate. Additional cost may be involved.

## ACCLIMATION TO HYDRIC SOILS

All emergent, herbaceous wetland plant species are cultivated under hydric soil conditions during the growing season because of convenience and economy; rather than due to a requirement of the species or a need to acclimate the species. Some of these species are provided an aerobic (drained) condition during the dormant season, as they do not overwinter well in an anoxic condition (McIninch and Garbisch 1991).

For the same reasons as for the emergent, herbaceous species, trees and shrubs that tolerate hydric soil conditions year-round are so cultivated. Examples of such species are buttonbush, black willow, and bald cypress. However, it has yet to be demonstrated that there are benefits in terms of growth and survival of wet-acclimating woody species to be planted in wetlands (McIninch and others 1994).

## REFERENCES

- Environmental Laboratory. 1987. *Corps of Engineers Wetlands Delineation Manual*. Technical Report Y-87-1. U. S. Army Waterways Experiment Station, Vicksburg, Mississippi.
- Garbisch, E. W. 1994. The Dos and Don'ts of Wetland Planning. *Wetland Journal* 6(2): 9, 14.
- McIninch, S. M., and E. W. Garbisch 1991. Oxygen requirements of dormant wetland plants. *Wildflower* Vol. 4(1): 6-12.
- McIninch, S. M., E. W. Garbisch, and D.R. Biggs. 1994. The benefits of wet-acclimating woody wetland plants species. *Wetland Journal* 6(2): 19-23.
- Reed, P. B. Jr. 1988. *National List of Plant Species that Occur in Wetlands: Northeast (Region 1)*. Biological Report 88 (26.1). U.S. Fish & Wildlife Service. Washington, D.C. 111pp.
- USDA, NRCS 2002. The PLANTS Database, Version 3.5 (<http://plants.usda.gov>). National Plant Data Center, Baton Rouge, LA 70874-4490 USA.

## GUIDE KEY & COMMENTS

### WETLAND INDICATOR STATUS

That, as designated in the National List of Plant Species That Occur in Wetlands: Northeast (Region 1) (Reed 1988); is given in this catalog.

- **Obligate Wetland (OBL)**: occur almost always (estimated probability >99%) under natural conditions in wetlands.
- **Facultative Wetland (FACW)**: usually occur in wetlands (estimated probability 67% - 99%) but occasionally found in non-wetlands.
- **Facultative (FAC)**: equally likely to occur in wetlands or non-wetlands (estimated probability 34% - 66%).
- **Facultative Upland (FACU)**: usually occur in non-wetlands (estimated probability 67% - 99%), but occasionally found in wetlands (estimated probability 1% - 33%).
- **Any status with a + or - sign after the abbreviation (FACW +, FACW -, etc.)**: the species is more frequently (+) or less often (-) found in wetlands.

### WATER TOLERANCE

Reference to 'Mean High Water' (MHW) and 'Mean Low Water' (MLW), for tidal areas. 'Midtide' is midway between MHW and MLW.

When a **range of depth of water** is given (e.g. 0-6"; 0-1') it means that the species will tolerate that range of permanent water depths in nontidal wetlands.

Following are the four **nontidal regimes** that describe the duration of inundation or saturation that plants may tolerate (Environmental Laboratory 1987).

1. **Permanent**: tolerates inundation or saturation from 76-100% of the growing season.
2. **Regular**: tolerates inundation or saturation from 26-75% of the growing season.
3. **Seasonal**: tolerates inundation or saturation from 13-25% of the growing season.
4. **Irregular**: tolerates inundation or saturation from 5-12% of the growing season.

### SALINITY TOLERANCE (ppt)

The parts per thousand (ppt) concentration of salt in the water, or the range thereof, that the plants will tolerate, is given. Freshwater has <0.5 ppt salt, brackish water has 0.5-30 ppt salt, and saltwater has 30+ ppt salt. If the salinity tolerance is given as resistant it means that the plant tolerates infrequent flooding or spray by saltwater.

### SHADE TOLERANCE

- Requires full sun
- ◐ Tolerates partial shade as well as full sun
- Tolerates full shade as well as full sun

### RATE OF SPREAD

- Slow: <0.2' per year
- Medium: ± 0.5' per year
- Rapid: >1.5' per year












### HEIGHT RANGE & AERIAL SPREAD

Both refer to the average mature plant size.

## HERBACEOUS EMERGENT PLANTS

Genus/species Common Name	Available Forms	Price	Water Tolerance	Salinity Tolerance (ppt)
<i>Acorus americanus</i> sweet flag	plug 1 quart pot	\$0.70 \$2.00	near MHW or regular inundation 0-6"	0 - 10
<i>Alisma subcordatum</i> water plantain	plug 1 quart pot	\$0.80 \$2.00	regular to permanent inundation 0-12"	< 0.5
<i>Andropogon virginicus</i> broomsedge	plug 1 quart pot	\$0.70 \$2.00	irregular inundation and upland	< 0.5
<i>Aquilegia canadensis</i> red columbine	plug 1 quart pot	\$0.80 \$2.50	irregular inundation and upland	< 0.5
<i>Asclepias incarnata</i> swamp milkweed	plug 1 quart pot	\$0.80 \$2.50	seasonal inundation	0 - 5±
<i>Aster novi-belgii</i> New York aster	plug 1 quart pot	\$0.80 \$2.50	irregular inundation and upland	0 - 5±
<i>Calamagrostis canadensis</i> bluejoint grass	plug 1 quart pot	\$0.70 \$2.00	seasonal to regular inundation 0-6"	< 0.5
<i>Carex crinita</i> fringed sedge	plug 1 quart pot	\$0.70 \$2.00	irregular inundation	< 0.5
<i>Carex intumescens</i> bladder sedge	plug 1 quart pot	\$0.80 \$2.00	seasonal inundation	< 0.5
<i>Carex lurida</i> lurid sedge	plug 1 quart pot	\$0.70 \$2.00	irregular inundation	< 0.5
<i>Carex stricta</i> tussock sedge	plug 1 quart pot	\$0.80 \$2.00	regular inundation	< 0.5
<i>Carex vulpinoidea</i> fox sedge	plug 1 quart pot	\$0.70 \$2.00	seasonal to regular inundation 0-6"	< 0.5
<i>Distichlis spicata</i> spike grass	plug	\$0.70	above MHW	0 - 50
<i>Eleocharis obtusa</i> blunt spike rush	plug 1 quart pot	\$0.80 \$2.00	near MHW or regular inundation 0-6"	< 0.5














## FERTILIZER AVAILABLE (ask for it when ordering)

Wetland Indicator Status	Shade Tolerance	Height Range	Rate of Spread	Comments
OBL		2 - 3'	medium	inconspicuous, green spathe April-May; forms clumps; tolerates dry periods and acidic conditions; leaves similar to iris
OBL		up to 3.5'	medium	tends to grow in clusters; white flowers June-September (pH 5.0-7.0)
FACW		1 - 3'	slow	clump grass; persistent in winter; provides seed for upland game and songbirds; excellent cover
FAC		1 - 3'	medium	delicate, drooping red flowers April-July; attracts hummingbirds
OBL		up to 6'	slow	pale pink flowers in umbels June-August; nectar source for butterflies and beneficial insects
FACW+		1 - 3'	slow	blue-violet flowers July-October, late season; nectar source for butterflies
FACW+		up to 5'	slow	clump-forming grass which acts as a good soil stabilizer (pH 4.5-8.0)
OBL		1 - 5'	medium	native emergent, grass-like densely tufted culms; drooping seedheads
FACW+		1 - 4'	medium	found growing in bottomland hardwood forests; tufted slender culms
OBL		1 - 4'	medium	densely tufted culms; inflated perigynia
OBL		2 - 4'	medium	very high wildlife food value
OBL		up to 3.5'	slow	provides food for many bird species and some mammals (pH 6.8-8.9)
FACW+		8 - 16"	rapid	flowers August-October; often intermixed with <i>S. patens</i> and found in high salinity depressions
OBL		0.5 - 1'	slow	annual found in wet meadows; very high waterfowl food value; food source for rails, muskrat, and rabbit

## HERBACEOUS EMERGENT PLANTS

Genus/species Common Name	Available Forms	Price	Water Tolerance	Salinity Tolerance (ppt)
<i>Eupatorium dubium</i> joe-pye weed	1 quart pot 1 gallon pot	\$2.50 \$4.50	seasonal inundation and upland	< 0.5
<i>Eupatorium fistulosum</i> <sup>ND</sup> joe-pye weed/trumpetweed	plug 1 quart pot 1 gallon pot	\$0.80 \$2.50 \$4.50	irregular to seasonal inundation	< 0.5
<i>Eupatorium maculatum</i> spotted joe-pye weed	plug 1 quart pot	\$0.80 \$2.50	irregular to seasonal inundation	< 0.5
<i>Eupatorium perfoliatum</i> boneset	1 quart 1 gallon pot	\$2.50 \$4.50	irregular inundation and upland	< 0.5
<i>Hibiscus moscheutos</i> marsh hibiscus	plug 1 quart pot 1 gallon pot	\$0.80 \$2.00 \$4.00	near MHW or regular inundation 0-3"	0-15
<i>Iris versicolor</i> blue flag	plug 1 quart pot	\$0.80 \$2.00	regular inundation 0-6"	< 0.5
<i>Juncus effusus</i> soft rush	plug 1 quart pot	\$0.70 \$2.00	MHW and above or irregular inundation	< 0.5
<i>Juncus roemerianus</i> black needlerush	plug 1 quart pot	\$0.70 \$2.00	near MHW	0-35
<i>Juncus torreyi</i> Torrey's rush	plug 1 quart pot	\$0.70 \$2.00	irregular to permanent inundation	< 0.5
<i>Kosteletzkya virginica</i> seashore mallow	1 quart pot 1 gallon pot	\$2.50 \$4.50	above MHW or irregular inundation	0-10±
<i>Leersia oryzoides</i> rice cutgrass	plug	\$0.70	near MHW or regular inundation 0-3"	< 0.5
<i>Lobelia cardinalis</i> cardinal flower	plug 1 quart pot	\$0.80 \$3.00	near MHW or irregular inundation and upland	< 0.5
<i>Lobelia siphilitica</i> great blue lobelia	plug 1 quart pot	\$0.80 \$3.00	irregular inundation and upland	< 0.5














## FERTILIZER AVAILABLE (ask for it when ordering)

Wetland Indicator Status	Shade Tolerance	Height Range	Rate of Spread	Comments
FACW		2 - 5'	slow	small, purple flowers in clusters July-September; nectar source for butterflies and beneficial insects
OBL		2 - 6'	slow	large pink-purple flowers with whorled dark green foliage and purplish hollow stems
FACW		2 - 6'	slow	light purple flowers late July-September; stems purplish and lightly spotted; attracts butterflies
FACW+		2 - 5'	slow	small, white flowers July-October
OBL		4 - 7'	slow	large white, pink, or red flowers in late summer; seed capsules persist through winter; tolerates dry periods; nectar source for ruby-throated hummingbirds
OBL		1 - 3'	slow	showy flowers late spring; clumps; limited wildlife value; requires full sun for flowering
FACW+		3 - 4'	slow	often grows in tussocks or hummocks; avifauna eat seed, clumping habit
OBL		1 - 4'	medium	flowers May-October; low wildlife value
FACW		1 - 3'	medium	deep green stems with inconspicuous brown flowers and seeds
OBL		2 - 4'	slow	attractive pink flowers July-September
OBL		1 - 3'	medium	tolerates periods of dryness; excellent erosion control; very high wildlife value; small lavender flowers in sprays July-October
FACW+		up to 5'	slow	attractive scarlet flowers in spikes; blooms July- October; nectar supply for hummingbirds
FACW+		up to 3'	slow	bright blue flowers August-October

## HERBACEOUS EMERGENT PLANTS

Genus/species Common Name	Available Forms	Price	Water Tolerance	Salinity Tolerance (ppt)
<i>Mimulus ringens</i> square-stemmed monkey flower	plug 1 quart pot	\$0.80 \$2.00	seasonal to regular inundation	< 0.5
<i>Onoclea sensibilis</i> sensitive fern	1 quart pot 1 gallon	\$3.00 \$4.50	irregular inundation to permanent inundation	< 0.5
<i>Osmunda cinnamomea</i> cinnamon fern	1 quart pot 1 gallon	\$3.00 \$4.50	seasonal to regular inundation	< 0.5
<i>Osmunda regalis</i> royal fern	1 quart pot 1 gallon	\$3.00 \$4.50	irregularly to permanently saturated	< 0.5
<i>Panicum amarum</i> coastal panic grass	plug 1 quart pot 1 gallon	\$0.70 \$2.00 \$4.00	irregular inundation and upland	resistant
<i>Panicum virgatum</i> switchgrass	plug 1 quart pot 1 gallon	\$0.70 \$2.00 \$4.00	MHW to upland	0 - 10±
<i>Peltandra virginica</i> arrow arum	plug 1 quart pot	\$0.80 \$2.00	midtide - MHW or permanent inundation 0-18"	0 - 1±
<i>Pontederia cordata</i> pickerelweed	plug 1 quart pot	\$1.10 \$2.50	midtide - MHW or permanent inundation 0-12"	< 0.5
<i>Rudbeckia hirta</i> black-eyed susan	plug 1 quart pot	\$0.80 \$2.00	irregular inundation and upland	< 0.5
<i>Sagittaria latifolia</i> duck potato	plug 1 quart pot	\$0.80 \$2.00	near midtide or permanent inundation 0-18"	< 0.5
<i>Saururus cernuus</i> lizard's tail	plug 1 quart pot	\$0.80 \$2.00	near midtide or permanent inundation 0-12"	< 0.5
<i>Schizachyrium scoparium</i> little bluestem	plug 1 quart pot	\$0.80 \$2.50	MHW to upland	< 0.5
<i>Scirpus atrovirens</i> green bulrush	plug 1 quart pot	\$0.70 \$2.00	regular to permanent inundation	< 0.5

## FERTILIZER AVAILABLE (ask for it when ordering)

Wetland Indicator Status	Shade Tolerance	Height Range	Rate of Spread	Comments
OBL		1.5 - 4'	slow	light blue-violet to pink blooms throughout summer
FACW		up to 3'	medium	Grows well in average garden soil that does not dry out (pH preference 4.5-7.5)
FACW		up to 5'	slow	tolerates drought; provides food for many birds and mammals (pH 4.5-7.5)
OBL		up to 6'	slow	food source for upland game birds and mammals (pH 4.0-6.0)
FACU-		1.5 - 6'	rapid	deep-rooted bunch grass grows best on coastal shores and dunes; tolerates drought; provides food and cover for wildlife
FAC		2 - 4'	slow	clumping grass; delicate texture; ornamental particularly in winter; very high wildlife value; flowers July-September
OBL		2 - 3'	slow	attractive, statuesque accent; inconspicuous green flower in late spring; not subject to wildlife depredation; seed preferred by wood ducks
OBL		1 - 3.5'	medium	heart-shaped leaves; showy blue flowers in spikes June-November; of some interest to black and wood ducks
FACU		1 - 3'	medium	orange-yellow flowers with brown center; blooms June-October; seed setting food source for birds, nectar source for butterflies
OBL		up to 4'	rapid	broad leaved; white flowers on stalk July-September; underground tuber preferred by at least 15 species of duck, including canvasback
OBL		up to 4'	rapid	attractive, nodding white flowers in spikes June-September; valued by wood duck; colonizes large areas; drought resistant
FACU-		2 - 3'	slow	clumping grass with delicate texture; persistent; low maintenance
OBL		up to 6'	medium	provides food and cover for several bird species as well as muskrats; brown flower and seed with dark green stem (pH 4.0-8.0); high wildlife value

## HERBACEOUS EMERGENT PLANTS

Genus/species Common Name	Available Forms	Price	Water Tolerance	Salinity Tolerance (ppt)
<i>Scirpus cyperinus</i> woolgrass	plug 1 quart pot	\$0.70 \$2.00	seasonal inundation	< 0.5
<i>Scirpus fluviatilis</i> river bulrush	bare root 1 quart pot	\$0.90 \$2.00	regular inundation 0-6"	< 0.5
<i>Scirpus pungens</i> (formerly <i>S. americanus</i> ) common three-square	plug 1 pint pot	\$0.70 \$1.10	midtide - MHW or permanent inundation 0-12"	0 - 15
<i>Scirpus robustus</i> saltmarsh bulrush	plug 1 quart pot	\$0.70 \$2.00	near MHW	0 - 30
<i>Scirpus tabernaemontani</i> (formerly <i>S. validus</i> ) soft stem bulrush	plug 1 quart pot	\$0.70 \$2.00	near midtide or permanent inundation 0-12"	0 - 5±
<i>Sisyrinchium angustifolium</i> blue-eyed grass	plug 1 quart pot	\$0.80 \$2.50	irregular inundation and upland	< 0.5
<i>Solidago sempervirens</i> seaside goldenrod	plug 1 quart pot	\$0.80 \$2.00	above MHW or irregular inundation	0 - 10±
<i>Spartina alterniflora</i> smooth cordgrass	plug seed (1,000 pls)	\$0.70 \$35.00	midtide to MHW	0 - 35±
<i>Spartina patens</i> salt meadow hay	plug	\$0.70	above MHW	0 - 35±
<i>Typha angustifolia</i> narrow-leaved cattail	bare root plug 1 quart pot	\$0.50 \$0.70 \$2.00	near MHW or permanent inundation 0-12"	0 - 15±
<i>Typha latifolia</i> broad-leaved cattail	bare root plug 1 quart pot	\$0.50 \$0.70 \$2.00	near MHW or permanent inundation 0-12"	< 0.5
<i>Verbena hastata</i> blue vervain	plug 1 quart pot	\$0.80 \$2.00	irregular inundation	< 0.5
<i>Vernonia noveboracensis</i> New York ironweed	plug 1 quart pot	\$0.80 \$3.00	seasonal inundation	< 0.5

## TO OUR RETAIL CUSTOMERS

It is our goal to meet all of our customers' needs. As a wholesale facility, we focus on supplying native plants for members of the trade, but recognize the value of connecting with our retail customers. Unfortunately we are unable to accommodate customers who visit our facility without an appointment. We ask instead that you call ahead with your questions and orders so we can check availability and arrange a time for pick-up. Retail customers may pick up plant material on designated Retail Pick-Up Dates. For those of you who prefer to select your plant material in person, we offer the opportunity to shop at our semi-annual Retail Plant Sales. In addition, we offer a selection of our plant material for sale at various Native Plant Sales in the area.

### PRICING & MINIMUM PURCHASE

There is a minimum purchase of \$25.00 for each retail order. This catalog is designed for wholesale customers and therefore reflects wholesale pricing. **Please see our retail price list for details.** We offer a discount of 10% for retail orders over \$500.00.

### CLAIMS

The product we sell is living, therefore it is important that any unsatisfactory plant material delivered by Environmental Concern be reported within 24 hours upon receipt. Claims made after such time cannot be considered. **We do not guarantee our plant material beyond the robust quality in which it leaves our nursery.**

### MORE INFORMATION

Please visit our web site, [www.wetland.org](http://www.wetland.org), for more information on the following:

- Planting instructions
- Professional courses
- Recommended publications



## 2010 RETAIL PLANT SALE DATES

Please see our website, [www.wetland.org](http://www.wetland.org), for details.














- March 27 - Lahr Symposium and Native Plant Sale  
The National Arboretum - Washington, D.C.
- April 24 - Parkfairfax Native Plant Sale  
Parkfairfax Community - Alexandria, VA
- May 1 - Assateague Coastal Trust Native Plant Sale  
Berlin, MD
- May 8 - Lower Shore Land Trust Native Plant Sale  
The Ward Museum - Salisbury, MD
- May 15 - DE Center for the Inland Bays Native Plant Sale  
James Farm Ecological Preserve - Ocean View, DE
- June 11 & 12 - EC Spring Native Plant Sale (Open House on Saturday)  
Environmental Concern - St. Michaels, MD
- August 21 - Irvine Native Plant Sale  
Irvine Nature Center - Owings Mills, MD
- September 10 & 11 - EC Fall Native Plant Sale  
Environmental Concern - St. Michaels, MD

## 2010 RETAIL PICK-UP DATES

For retail plant purchases, please pre-order and schedule pick-up with Nursery Sales at least 48 hours in advance.

- March 19 & 20 - Friday pick-up; Saturday pick-up by appointment only
- April 16 & 17 - Friday pick-up; Saturday pick-up by appointment only
- May 21 & 22 - Friday pick-up; Saturday pick-up by appointment only
- June 11 & 12 - Friday & Saturday pick-up during EC Spring Plant Sale
- July 9 & 10 - Friday pick-up; Saturday pick-up by appointment only
- August 13 & 14 - Friday pick-up; Saturday pick-up by appointment only
- Sept. 10 & 11 - Friday & Saturday pick-up during EC Fall Plant Sale
- Oct. 22 & 23 - Friday pick-up; Saturday pick-up by appointment only











## FERTILIZER AVAILABLE (ask for it when ordering)

Wetland Indicator Status	Shade Tolerance	Height Range	Rate of Spread	Comments
FACW±		4 - 5'	medium	dense clumps; nodding, persistent seed clusters; flowers August-September; high wildlife value
OBL		2 - 7'	rapid	good for sediment stabilization on upper edges of river system; flowers June-September
OBL		up to 4'	rapid	erect, triangular stems; heavy predation by muskrat, nutria, and geese; birds eat seeds; flowers June-September
OBL		up to 4'	rapid	triangular stems; moderate wildlife value; does well in fluctuating salinity; flowers July-October
OBL		6 - 10'	rapid	tube-like stems; drooping seed clusters at top; good vertical accent; moderate wildlife value; flowers June-September
FACW		4 - 20"	slow	grass-like foliage; small blue flowers May-July
FACW		3 - 4'	slow	yellow flowers in dense, one-sided spikes July-November
OBL		4 - 7'	rapid	shore erosion control; rhizome eaten by muskrat and geese; birds eat seeds; recommended seeding rate: 10 pure live seeds / sq. ft.
FACW+		1 - 3'	medium	shore erosion control; tolerates drought once established; good cover and nesting
OBL		up to 6'	rapid	forms dense, persistent stands; good cover and nesting; waterfowl eat rootstock and seed; flowers June-July
OBL		up to 6'	rapid	forms dense, persistent stands; good cover and nesting; waterfowl eat rootstock and seed; flowers May-June
FACW+		up to 5'	slow	blue-violet flowers in multiple, small, dense spikes June-October
FACW+		3 - 7'	slow	vivid purple flowers in heads August-September; can be invasive

## SHRUBS

Genus/species Common Name	Available Forms	Price	Water Tolerance	Salinity Tolerance (ppt)
<b><i>Alnus serrulata</i></b> smooth alder	18 - 24"	\$6.00	above MHW regular inundation 0-3"	< 0.5
	2 - 3'	\$8.00		
	3 - 4'	\$10.00		
	4 - 5'	\$12.00		
	5' +	\$14.00		
<b><i>Aronia arbutifolia</i></b> red chokeberry	18 - 24"	\$6.00	irregular to seasonal inundation	resistant
	2 - 3'	\$8.00		
	3 - 4'	\$10.00		
	4 - 5'	\$12.00		
<b><i>Aronia melanocarpa</i><sup>ND</sup></b> black chokeberry	18 - 24"	\$6.00	irregular to seasonal inundation	resistant
	2 - 3'	\$8.00		
	3 - 4'	\$10.00		
	4 - 5'	\$12.00		
<b><i>Aronia prunifolia</i><sup>ND</sup></b> purple chokeberry	18 - 24"	\$6.00	irregular to seasonal inundation	resistant
	2 - 3'	\$8.00		
	3 - 4'	\$10.00		
<b><i>Baccharis halimifolia</i></b> groundsel tree	18 - 24"	\$6.00	above MHW or seasonal inundation	< 0.15±
	2 - 3'	\$8.00		
	3 - 4'	\$10.00		
<b><i>Cephalanthus occidentalis</i></b> buttonbush	18 - 24"	\$6.00	MHW and above or permanent inundation 0-12"	resistant
	2 - 3'	\$8.00		
	3 - 4'	\$10.00		
	4 - 5'	\$12.00		
<b><i>Clethra alnifolia</i></b> sweet pepperbush	18 - 24"	\$6.00	seasonal to regular inundation	resistant
	2 - 3'	\$8.00		
	3 - 4'	\$10.00		
<b><i>Cornus amomum</i></b> silky dogwood	18 - 24"	\$6.00	seasonal inundation	< 0.5
	2 - 3'	\$8.00		
	3 - 4'	\$10.00		
	4 - 5'	\$12.00		
<b><i>Cornus racemosa</i></b> gray dogwood	18 - 24"	\$6.00	seasonal inundation	< 0.5
	2 - 3'	\$8.00		
	3 - 4'	\$10.00		
	4 - 5'	\$12.00		
<b><i>Cornus sericea</i></b> redosier dogwood	18 - 24"	\$6.00	seasonal inundation	< 0.5
	2 - 3'	\$8.00		
	3 - 4'	\$10.00		
	4 - 5'	\$12.00		





## FERTILIZER AVAILABLE (ask for it when ordering)

Wetland Indicator Status	Shade Tolerance	Mature Height	Aerial Spread	Comments
OBL		12 - 20'	12 - 20'	nitrogen fixer; food and cover for waterfowl and game birds; fruit in August persists to February; high wildlife value; tolerates acid soil (pH 5.5-7.5)
FACW		6 - 12'	3 - 6'	white flowers in May; red fruit September-December; emergency winter food for many species; tolerates acid soil (pH 5.0-6.5)
FAC		6 - 12'	3 - 6'	white flowers in May; black fruit September-November; eaten by songbirds; also edible to humans; tolerates acid soil (pH 5.1-6.5)
FACW		6 - 12'	3 - 6'	white flowers April-May; purple berries September-December; used by songbirds, mammals, browsers; tolerates acid soil (pH 5.1-6.5)
FACW		6 - 12'	6 - 12'	flowers August-September; poor soil stabilizer; tolerates alkaline soil (pH 7.0-8.5)
OBL		6 - 12'	12 - 20'	numerous tubular flowers in ball-shaped heads May-August; few flowers in full shade; attracts butterflies and beneficial insects; will adapt to dry sites (tolerates pH 6.1-8.5)
FAC+		6 - 12'	3 - 6'	fragrant white flowers in spikes July-August; attracts butterflies and beneficial insects; tolerates acid soil (pH 4.5-6.5)
FACW		6 - 12'	6 - 12'	white flowers May-June; blue berries in August; very high food value to many songbirds and mammals
FAC		6 - 12'	6 - 12'	white flowers May-June; white berries August-September, very high food value to songbirds; waterfowl and mammals
FACW+		6 - 12'	6 - 12'	white flowers May-June; white berries in September; very high food value to songbirds, waterfowl, game birds and mammals.

## SHRUBS

Genus/species Common Name	Available Forms	Price	Water Tolerance	Salinity Tolerance (ppt)
<i>Euonymus americanus</i> running strawberry bush	18 - 24" 2 - 3'	\$7.00 \$9.00	irregular inundation	< 0.5
<i>Ilex glabra</i> inkberry	18 - 24" 2 - 3'	\$7.00 \$10.00	seasonal inundation	< 0.5 resistant
<i>Ilex verticillata</i> winterberry	18 - 24" 2 - 3' 3 - 4'	\$6.00 \$8.00 \$10.00	above MHW or seasonal inundation	< 0.5
<i>Itea virginica</i> Virginia sweetspire	18 - 24" 2 - 3' 3 - 4'	\$7.00 \$9.00 \$11.00	regular to seasonal inundation	< 0.5
<i>Iva frutescens</i> high tide bush	18 - 24" 2 - 3' 3 - 4' 4 - 5'	\$6.00 \$8.00 \$10.00 \$12.00	above MHW	0 - 15
<i>Lindera benzoin</i> spicebush	18 - 24" 2 - 3' 3 - 4'	\$6.00 \$8.00 \$10.00	seasonal inundation	resistant
<i>Magnolia virginiana</i> sweet bay magnolia	18 - 24" 2 - 3' 3 - 4' 4 - 5'	\$6.00 \$9.00 \$12.00 \$15.00	seasonal to regular inundation 0-3"	resistant
<i>Morella cerifera</i> (formerly <i>Myrica cerifera</i> ) wax myrtle	18 - 24" 2 - 3' 3 - 4'	\$6.00 \$8.00 \$10.00	above MHW or irregular inundation	0 - 10
<i>Morella pensylvanica</i> (formerly <i>Myrica pensylvanica</i> ) bayberry	18 - 24" 2 - 3' 3 - 4'	\$6.00 \$8.00 \$10.00	above MHW or irregular inundation	0 - 20









## FERTILIZER AVAILABLE (ask for it when ordering)

Wetland Indicator Status	Shade Tolerance	Mature Height	Aerial Spread	Comments
FAC		6 - 12'	6 - 12'	3-5 lobed strawberry or heart-shaped capsule, splits to expose bright seeds; poisonous fruit to humans; some use by songbirds, small mammals
FACW-		6 - 12'	6 - 12'	small, shiny evergreen leaves with black berries; provides emergency winter food and cover for birds and mammals; fairly insensitive to disease and insect damage (pH 4.5-6.0)
FACW+		6 - 12'	6 - 12'	flowers in June; red-orange berries August-February; emergency winter food for many songbirds and small mammals; tolerates acid to alkaline soil (pH 4.5-8.0)
OBL		6 - 12'	6 - 12'	dense, upright, terminal, tassel-like, white spikes June-July; forms small, elongate capsule persisting until late March; swamps, wet coastal areas, reliable red fall color (pH 5.0-7.0)
FACW+		2 - 10'	6 - 12'	attractive light green flowers August-October; provides cover, nesting and breeding area for red-winged blackbirds and roseate spoonbills; poor soil stabilizer
FACW-		6 - 12'	6 - 12'	fragrant foliage; scarlet berries in September; very high food value for birds; deer browse twigs and foliage; tolerates acid soil (pH 4.5-6.5)
FACW+		6 - 15'	12 - 20'	fragrant, white 2-3" flowers May-June; scarlet seeds in slits of erect follicles; flowers best in full shade to partial sun
FAC		6 - 15'	6 - 15'	evergreen; nitrogen fixer; small bluish berries with waxy coating
FAC		6 - 15'	6 - 15'	deciduous; nitrogen fixer; relative of wax myrtle; flowers March-April; grey berries September-May; high wildlife value; tolerates slightly acid soil (pH 5.0-6.5)

## SHRUBS

Genus/species Common Name	Available Forms	Price	Water Tolerance	Salinity Tolerance (ppt)
<i>Rhododendron viscosum</i> swamp azalea	18 - 24" 2 - 3' 3 - 4'	\$8.00 \$10.00 \$12.00	seasonal to regularly inundated	< 0.5
<i>Rhus copallina</i> flameleaf sumac	18 - 24" 2 - 3'	\$6.00 \$8.00	irregular inundation	< 0.5
<i>Rhus typhina</i> staghorn sumac	18 - 24" 2 - 3' 3 - 4'	\$6.00 \$8.00 \$10.00	seasonal to regular inundation	< 0.5
<i>Rosa palustris</i> swamp rose	18 - 24" 2 - 3' 3 - 4'	\$6.00 \$8.00 \$10.00	regular inundation 0-3"	< 0.5
<i>Sambucus canadensis</i> elderberry	18 - 24" 2 - 3' 3 - 4'	\$6.00 \$8.00 \$10.00	seasonal inundation	< 0.5
<i>Vaccinium corymbosum</i> highbush blueberry	18 - 24" 2 - 3'	\$8.00 \$10.00	seasonal inundation	resistant
<i>Viburnum dentatum</i> arrowwood	18 - 24" 2 - 3' 3 - 4' 4 - 5'	\$6.00 \$8.00 \$10.00 \$12.00	seasonal inundation	resistant
<i>Viburnum nudum</i> possum haw (smooth withered)	18 - 24" 2 - 3' 3 - 4'	\$6.00 \$8.00 \$10.00	seasonal or regular inundation	< 0.5







## FERTILIZER AVAILABLE (ask for it when ordering)

Wetland Indicator Status	Shade Tolerance	Mature Height	Aerial Spread	Comments
OBL		6 - 12'	6 - 12'	slow grower; loose, open growth habit; flowers are white to pale pink (pH 4.0-7.0)
FACU-		10 - 20'	10 - 20'	adapts well to various soil textures; winter emergency food for animals (pH 5.3-7.5)
NI		30 - 35'	-	fairly drought tolerant (pH 4.5-7.2)
OBL		2 - 7'	4 - 6'	pink flowers June-October; rose hips eaten by many species of birds; good nesting habitat
FACW+		6 - 12'	6 - 12'	sends out suckers; small, white flowers in large flat-topped clusters; purple berries August-September; relished by birds; hooved browsers eat twigs
FACW-		13'	4 - 6'	white, urn-shaped flowers April-July; blue berries are a valuable food source for many species of wildlife; demands acid soil (pH 3.5-6.0)
FAC		6 - 12'	6 - 12'	white flowers May-June; blue fruit September-November; valuable to birds and small mammals
OBL		12 - 20'	12 - 20'	small, broad, flat-topped clusters of white flowers in June-July; multiple upright and/or horizontal stems; football shaped berries turning pink then blue; moist soils, thickets and swamps (pH 5.1-6.0)

## TREES

Genus/species Common Name	Available Forms	Price	Water Tolerance	Salinity Tolerance (ppt)
<b><i>Acer rubrum</i></b> red maple	18 - 24"	\$6.00	above MHW or seasonal inundation	< 0.5
	2 - 3'	\$8.00		
	3 - 4'	\$10.00		
	4 - 5'	\$14.00		
	5' +	\$18.00		
<b><i>Acer saccharinum</i></b> silver maple	18 - 24"	\$6.00	above MHW or irregular inundation	resistant
	2 - 3'	\$8.00		
	3 - 4'	\$10.00		
	4 - 5'	\$12.00		
	5' +	\$14.00		
<b><i>Amelanchier canadensis</i></b> shadbush (serviceberry)	18 - 24"	\$6.00	seasonal inundation	resistant
	2 - 3'	\$9.00		
	3 - 4'	\$12.00		
	4 - 5'	\$15.00		
<b><i>Aralia spinosa</i></b> devil's walking stick	18 - 24"	\$6.00	seasonal inundation	< 0.5
	2 - 3'	\$8.00		
<b><i>Betula nigra</i></b> river birch	18 - 24"	\$6.00	seasonal inundation	< 0.5
	2 - 3'	\$8.00		
	3 - 4'	\$10.00		
	4 - 5'	\$14.00		
	5' +	\$18.00		
<b><i>Carpinus caroliniana</i></b> American hornbeam (musclewood)	18 - 24"	\$6.00	seasonal inundation	< 0.5
	2 - 3'	\$8.00		
	3 - 4'	\$10.00		
<b><i>Chamaecyparis thyoides</i></b> Atlantic white cedar	18 - 24"	\$6.00	irregular to permanent inundation	< 0.5
	2 - 3'	\$9.00		
<b><i>Diospyros virginiana</i></b> persimmon	18 - 24"	\$6.00	seasonal inundation	resistant
	2 - 3'	\$8.00		
	3 - 4'	\$10.00		
	4 - 5'	\$14.00		
	5' +	\$18.00		
<b><i>Fraxinus pennsylvanica</i></b> green ash	18 - 24"	\$6.00	regular inundation	resistant
	2 - 3'	\$8.00		
	3 - 4'	\$10.00		
	4 - 5'	\$12.00		
	5' +	\$14.00		

## FERTILIZER AVAILABLE (ask for it when ordering)

Wetland Indicator Status	Shade Tolerance	Mature Height	Aerial Spread	Comments
FAC		75 - 100'	50 - 75'	seeds April-June; eaten by birds and small mammals; tolerates drought and acid soil (pH 4.5-6.5)
FACW		75 - 100'	75 - 100'	seeds April-May; eaten by birds; tolerates drought; can grow 25-35' in ten years; prefers acid soil (pH 5.5-6.5)
FAC		35 - 50'	35 - 50'	dark purple berries; high food value for songbirds; flowers May-July; tolerates drought; beautiful red and orange fall foliage
FAC		35 - 50'	20 - 35'	branches and foliage armed with sharp prickles; high value to birds and small mammals
FACW		50 - 75'	35 - 50'	can grow 30-40' in ten years; seeds June-August; eaten by birds; good for stream bank stabilization; tolerates drought; yellow fall foliage
FAC		30 - 40'	30 - 40'	trunk has smooth, muscle-like form (pH 4.0-7.4)
OBL		40 - 50'	10 - 20'	prefers fluctuating water table and little competition; winter food source for deer and pine siskin (pH 3.0-5.0)
FAC-		50' - 75'	35 - 50'	produces sweet orange fruit September-November; high wildlife value; edible to humans after killing frost
FACW		50 - 75'	35 - 50'	can grow 2.5-3' per year; winged seed eaten by waterfowl and other birds; browsed by deer

## TREES

Genus/species Common Name	Available Forms	Price	Water Tolerance	Salinity Tolerance (ppt)
<i>Hamamelis virginiana</i> witch-hazel	18 - 24"	\$6.00	irregular inundation	< 0.5
	2 - 3'	\$8.00		
	3 - 4'	\$10.00		
<i>Ilex opaca</i> American holly	18 - 24"	\$7.00	irregular to seasonal inundation	-
	2 - 3'	\$10.00		
	3 - 4'	\$13.00		
<i>Juniperus virginiana</i> Eastern red cedar	18 - 24"	\$6.00	irregular inundation	resistant
	2 - 3'	\$8.00		
	3 - 4'	\$10.00		
<i>Liquidambar styraciflua</i> sweet gum	18 - 24"	\$6.00	regular inundation	resistant
	2 - 3'	\$8.00		
	3 - 4'	\$10.00		
	4 - 5'	\$14.00		
<i>Liriodendron tulipifera</i> tulip tree (tulip poplar)	18 - 24"	\$6.00	none	< 0.5
	2 - 3'	\$8.00		
	3 - 4'	\$10.00		
	4 - 5'	\$14.00		
	5' +	\$18.00		
<i>Nyssa sylvatica</i> black gum	18 - 24"	\$6.00	seasonal inundation	resistant
	2 - 3'	\$9.00		
	3 - 4'	\$12.00		
<i>Pinus rigida</i> pitch pine	18 - 24"	\$6.00	none	< 0.5
	2 - 3'	\$8.00		
	3 - 4'	\$10.00		
	4 - 5'	\$12.00		
<i>Pinus taeda</i> loblolly pine	18 - 24"	\$6.00	seasonal inundation	< 0.5
	2 - 3'	\$8.00		
	3 - 4'	\$10.00		
	4 - 5'	\$14.00		
<i>Platanus occidentalis</i> American sycamore	18 - 24"	\$6.00	irregular inundation	< 0.5
	2 - 3'	\$8.00		
	3 - 4'	\$10.00		
	4 - 5'	\$14.00		
	5' +	\$18.00		









## FERTILIZER AVAILABLE (ask for it when ordering)

Wetland Indicator Status	Shade Tolerance	Mature Height	Aerial Spread	Comments
FAC-		20 - 35'	20 - 35'	unusual yellow flowers with threadlike, kinky petals; September flowers remain until December
FAC		up to 60'	-	leathery evergreen leaves with spiny edges; bright red berries eaten by many species of songbirds in winter (pH 4.0-7.5)
FACU		50 - 75'	35 - 50'	evergreen; blue berry-like cones in July, persists to March; eaten by many birds; browsers eat twigs and foliage
FAC		75 - 100'	50 - 75'	horned, woody ball produced in July, persists to January; eaten by songbirds and others
FACU		75 - 100'	35 - 50'	shallow to deep, fibrous, fleshy roots; found in rich woods, coves and often abandoned fields; reliable yellow fall foliage
FAC		30 - 75'	35 - 50'	blue-black fruit September-October; eaten by waterfowl and other birds, including pileated woodpecker
FACU		50 - 75'	50 - 75'	evergreen; found in dry, sandy soil or rocky sites, often with scrub pine
FAC-		40 - 50' (up to 90')	-	aggressive, good pioneer species; adaptable to extremes of soil; evergreen; high wildlife value
FACW-		75 - 100'	75 - 100'	shallow, long, fibrous roots; found along streams, bottomlands and dry slopes; tolerates drought; yellow fall foliage

## TREES

Genus/species Common Name	Available Forms	Price	Water Tolerance	Salinity Tolerance (ppt)
<b><i>Quercus bicolor</i></b> swamp white oak	18 - 24"	\$6.00	seasonal inundation	resistant
	2 - 3'	\$9.00		
	3 - 4'	\$12.00		
	4 - 5'	\$15.00		
<b><i>Quercus michauxii</i></b> swamp chestnut oak (basket oak)	18 - 24"	\$6.00	seasonal to regular inundation	< 0.5
	2 - 3'	\$9.00		
	3 - 4'	\$12.00		
<b><i>Quercus nigra</i></b> water oak	18 - 24"	\$6.00	above spring tide or seasonal inundation	< 0.5
	2 - 3'	\$8.00		
	3 - 4'	\$10.00		
<b><i>Quercus palustris</i></b> pin oak	18 - 24"	\$6.00	seasonal inundation	resistant
	2 - 3'	\$8.00		
	3 - 4'	\$10.00		
	4 - 5'	\$14.00		
	5' +	\$18.00		
<b><i>Quercus phellos</i></b> willow oak	18 - 24"	\$6.00	seasonal inundation	< 0.5
	2 - 3'	\$8.00		
	3 - 4'	\$10.00		
<b><i>Salix nigra</i></b> black willow	18 - 24"	\$6.00	regular to permanent inundation	slightly resistant
	2 - 3'	\$9.00		
	3 - 4'	\$12.00		
	4 - 5'	\$15.00		
	5' +	\$18.00		
<b><i>Taxodium distichum</i></b> bald cypress	18 - 24"	\$6.00	regular to permanent inundation	< 0.5
	2 - 3'	\$8.00		
	3 - 4'	\$10.00		
<b><i>Viburnum lentago</i></b> nannyberry	18 - 24"	\$6.00	seasonal inundation	< 0.5
	2 - 3'	\$9.00		
	3 - 4'	\$12.00		
	4 - 5'	\$15.00		

## FERTILIZER AVAILABLE (ask for it when ordering)

Wetland Indicator Status	Shade Tolerance	Mature Height	Aerial Spread	Comments
FACW+		75 - 100'	50 - 75'	acorns September-October; eaten by waterfowl (especially wood duck), songbirds, shorebirds, game birds, and small mammals
FACW		90 - 100'	–	acorns high in wildlife value; prefers moist, well-drained soil; wood used for baskets and timber
FAC		90 - 100'	–	grows quickly; tolerates drought; provides cover and nesting area; provides food for gray squirrel and wood duck (pH 4.8-5.8)
FACW		50 - 75'	50 - 75'	acorns for birds and mammals September-October; can grow 30' in twelve years; tolerates drought; seedlings intolerant of saturation; tolerates acid soil (pH 5.5-6.5)
FAC+		40 - 60'	30 - 40'	acorns for waterfowl and small mammals April-May; can grow 2' per year; tolerates drought
FACW+		35 - 50'	20 - 35'	spreads by suckers; stabilizes stream banks; catkins March-April and strobiles April-May; high in wildlife value; can grow 3-6' per year
OBL		75 - 100'	20 - 35'	deciduous conifer with fine-textured foliage turning maroon to chocolate brown in autumn; tolerates drought; purple-brown globular cones October-December
FAC		20 - 35'	10 - 35'	white flowers in flat-topped clusters in May; orange fruit ripening to black September-December



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**Environmental Concern Inc.**  
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St. Michaels, MD 21663

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