Quality seedlings since 1910

Visit our website at www.nh.gov/nhnursery to view pictures of seedlings, mature plants, flowers and fruit.

OR CURRENT RESIDENT

172 Pembroke Rd. Concord, New Hampshire 03301

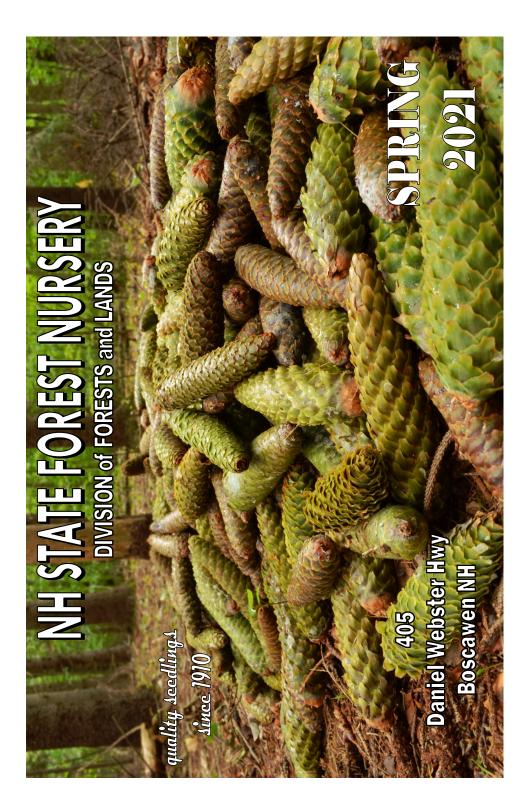
DIVISION of FORESTS and LANDS

Department of Natural and Cultural Resources

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MAILING ADDRESS:

DIVISION OF FORESTS AND LANDS
172 PEMBROKE RD
CONCORD, NEW HAMPSHIRE 03301
TEL: (603) 271-2214 FAX: (603) 271-6488

www.nh.gov/nhnursery

NURSERY LOCATION

(to pick up seedlings)

405 Daniel Webster Hwy Boscawen, NH 03303 (603) 796-2323

Dear Valued Customer,

It's been a challenging growing season here at the State Forest Nursery with the drought conditions that we experienced this past summer. Our staff has been working especially hard to make sure that our seedlings received the proper amount of water through our irrigation system and we feel like our seedlings came through the drought in good shape. Despite the challenging growing conditions our dedicated staff has once again done a fantastic job to provide our customers with a variety of quality deciduous and conifer seedlings. We would also like to thank all of you who placed orders with us this past spring. It was one of our most successful shipping seasons ever. We hope to build on that success in the years to come.

We are happy to report that we have a large quantity of sugar maple and red oak to offer as well as a strong inventory of the NH state tree, paper birch. Growing paper birch seedlings of any quantity has been a challenge in the past so we are especially excited to be able to offer this species for sale in our catalog this year.

Whether you are looking for plantings for wildlife benefits including pollinators and songbirds, planting Christmas trees or planting to provide a screen or windbreak, our specialty packages offer a variety of seedlings to fit your needs.

Lastly we would like to offer a special thanks to our long time Nursery Manager/Forester, Howie Lewis, who will be retiring from his position this coming summer after 30+ years of service. Howie, along with his dedicated staff, is responsible for sustaining the great success that the Nursery has enjoyed over the last several years. His knowledge and expertise as well as his great sense of humor will be missed.

Information regarding seedlings, planting and the nursery can be found on our website, www.nh.gov/nhnursery, or feel free to give us a call at (603) 796-2323. You can also reach us via email at Concord.Nursery@dncr.nh.gov or regular mail at 405 Daniel Webster Highway, Boscawen, NH 03303. Our job is growing seedlings, but our business is serving you! As always, thank you for your support.

Cover: Spruce cones from Vincent St. Forest in Weare, NH Cones are dried and the seed extracted for planting.

IMPORTANT INFORMATION

Orders are accepted on a first come, first served basis, giving preference to New Hampshire residents. Please indicate first and second choice on the SEEDLING ORDER FORM to avoid delay in case of species sellout. ENCLOSE PAYMENT IN FULL (by MasterCard, Visa, check, or money order) and please be sure seedlings are ordered in quantities indicated. Sorry, we are not equipped to handle phone orders.

Please do not send orders with credit card information by E-mail.

Orders cancelled by the purchaser after March 1 will not be refunded. Orders cancelled at any time by the State Forest Nursery will be refunded. Refunds due the purchaser for cancellation or other adjustment WILL BE MADE AT THE END OF MAY.

All seedlings are shipped in moisture resistant thick paper bags of up to 500 seedlings in each bag. The bags are no larger than 22 inches in diameter, 36 inches in length, and up to about 35 pounds in weight (about the size of a large dog food bag). Average seedling height is measured from the root collar to the top of the seedling.

Seedlings should be planted immediately upon arrival! Keep the unopened bags as cool as possible and out of direct sunlight until you are ready to plant. If planting must be delayed more than 2-3 days, "heel in" the plants. They can also be stored a few days longer in the unopened bag in a refrigerator or cold storage facility. Do not allow them to freeze.

We recommend that you do not fertilize during the first growing season. **Instructions** for care and planting are available from the State Forest Nursery, on our website, or your County Forester. When picking up plants at the Nursery with an open-bed truck you will need to provide protection for the shipping bags. Do not expose them to direct sunlight while in transit.

You may visit us to view the seedbeds weekdays from 8:00 am to 3:30 pm. Tours can be scheduled for groups of 15 or more.

MAILING LIST REQUEST FORM

If you wish to remain on the Nursery Mailing List for next year or to be included for the first time, please fill out and return this portion to the NH Department of Natural and Cultural Resources, Division of Forests and Lands, 172 Pembroke Rd, Concord, NH 03301.

City/Town:	State:	Zip:
Mailing Address:		
Name: (last name first)	 	

The Nursery is located on Rt. 3 in Boscawen about 15 miles north of Concord and 6 miles south of Franklin at :

405 Daniel Webster Hwy Boscawen, NH 03303 (603) 796-2323

IMPORTANT

For further information regarding your planting needs contact your county UNH Cooperative Extension office listed below.

COUNTY FORESTERS

County	Name	Email Address	Phone
Belknap	Rebecca DiGirolomo	rebecca.digirolomo@unh.edu	(603) 527-5475
Carroll	Wendy Scribner	wendy.scribner@unh.edu	(603) 447-3834
Cheshire			(603) 352-4550
Coos	Brendan Prusik	brendan.prusik@unh.edu	(603) 788-4961
Grafton	Jim Frohn	jim.frohn@unh.edu	(603) 787-6944
Hillsboro	Michael Gagnon	michael.gagnon@unh.edu	(603) 641-6060
Merrimack	Tim Fleury	tim.fleury@unh.edu	(603) 255-3556
Rockingham	Greg Jordan	greg.jordan@unh.edu	(603) 679-5616
Strafford	Rebecca DiGirolomo	rebecca.digirolomo@unh.edu	(603) 749-4445
Sullivan	Dode Gladders	dode.gladders@unh.edu	(603) 863-9200



Shipping Charges

- 1. New Hampshire 15% + \$8.00
- 2. East of Mississippi 20% + \$8.00
- 3. West of Mississippi 25% + \$8.00



CONIFER SEEDLINGS

NOTE: The following are bare root seedlings as opposed to plugs and must be ordered in quantities listed.

BALSAM FIR, Abies balsamea - The original old-fashioned Christmas tree. Steeple-shaped evergreen tree with soft, flat green to blue-green extremely fragrant needles up to 1" long. Prefers moist, well-drained soils; avoid planting in low areas. Mature height: 50-75'.

Please check www.nh.gov/nhnursery for availability if ordering after Jan. 1st

Age	Size	Per 1	10 Per 2	5 Per 100	Per 500	Per_10	00
3 yr.	5-10"	\$15	\$25	5 Per 100 \$80 \$100	\$400	\$600	י ר
4 yr.	12"+	\$20	\$30	\$100	\$500	\$800	l 4

FRASER FIR, <u>Abies fraseri</u> - Physical characteristics similar to balsam fir but slower growing and good resistance to late spring frosts. These beautiful trees have medium to dark-green needles with a silvery underside. Excellent needle retention for Christmas trees. Prefers moderately well-drained soil on cool sites. Mature height: 50-75'. **MAXIMUM ORDER 1000**.

Please check www.nh.gov/nhnursery for availability if ordering after Jan. 1st

Age	Size Per 10	Per 25	Per 100	Per 500	Per 1000
3 yr.	Size Per 10 5-10" \$15 10"+ \$20	\$25	\$80	\$400	\$600
4 yr.	10"+ \$20	\$30	\$ 100	\$500	1\$800

CONCOLOR FIR, Abies concolor - Native to the southwest, this tree exhibits blue-green needles up to 3" in length. Becoming popular as a Christmas tree with its striking foliage, good needle retention, and zesty, tangerine fragrance. Prefers well-drained fertile soils. A slow grower, but perfect for someone looking for one-of-a-kind Christmas tree. Mature height: 70-90'.

Please check www.nh.gov/nhnursery for availability if ordering after Jan. 1st

Age	Size	Per 10	Per 25
3 yr.	8-14"	\$20	\$30

CANAAN FIR, Abies balsamea phanerolepis From Canaan Valley, West Virginia. Similar to Balsam Fir, but has later bud break and tolerance of poorly drained soils. A good choice for low, cold planting sites. Mature height 50 to 70.

Age	Size Per 10	Per 25 Per 10	Per SUUL
3 yr.	5-10" \$15	\$25 \$100	\$500 CJ CJ

WHITE SPRUCE, <u>Picea glauca</u> - Hardy, symmetrical and naturally dense evergreen. Needles 1/2 to 1", blue-green, angled and sharp tipped. Important for timber and Christmas trees; also used for erosion control and site reclamation because it is adaptable to wide range of planting sites but prefers moderately well to well-drained loamy soils. Grows well throughout NH. Mature height: to

70'.	Age	Size	Per 10	Per 25	Per 100	Per 500	Per 1000
	2 yr.	4-8"	\$15	\$25	\$80	\$400	\$600
	3 vr	8-16"	eald out				

NORWAY SPRUCE, <u>Picea abies</u> - Fast growing pyramidal tree. Short to medium dark needles. Sometimes planted as a Christmas tree; also produces high-quality lumber. Prefers moderately well to well-drained soils. Grows well throughout NH. Mature height: 60-90'.



RED SPRUCE – <u>Picea rubens</u> – A dark green, extremely shade tolerant evergreen tree of cool, moist northern forests and high elevations. Height up to 70 ft. Uses include lumber and pulpwood. Spruce forests provide wintering habitat for deer and other wild-life.

Age 2 yr. 5-8 \$150 \$25 Per 100 Per 500 \$25 \$80 \$300

BLUE SPRUCE, <u>Picea pungens</u> - Native to Rocky Mountains of western United States. Popular Christmas tree; good needle retention. Prefers moist, well-drained soils. Mature height: 60-80'.

Age Size Per 10 Per 25
3 yr. 8 12 \$20
This year we also have:
Age Size Per 5 Per 10

4yr. 12-20" \$15 \$25

RED PINE, <u>Pinus resinosa</u> - A tall tree widely used for reforestation and gravel pit reclamation. Tolerates wide variety of planting sites but prefers well-drained soils. Shade **in**tolerant; grows well throughout NH. Mature height: to 85'.

 Age
 Size
 Per 10
 Per 25
 Per 100
 Per 500
 Per 1000

 3 yr.
 6-16"
 \$10
 \$20
 \$60
 \$250
 \$400

SCOTCH PINE, <u>Pinus sylvestris</u> - A fast growing tree with long needles. Excellent Christmas tree if sheared annually. Prefers well-drained sandy soils. Grows well throughout NH. Mature height: 60-90'. **Please check www.nh.gov/nhnursery for availability if ordering after Jan.**1st

Age 2 yr. 5-18 \$10 \$20 \$60

WHITE PINE, <u>Pinus strobus</u> - One of the most important and tallest timber trees in the northeast; also planted for Christmas trees. Long, soft needles; supple branches. Tolerates a variety of soils. Grows well throughout NH. Mature height: to 100' plus.

Per 100 Per 500 Per 1000 Age Size Per 10 Per 25 2 yr. 3-6" \$45 \$200 \$350 8-12" \$10 \$60 \$250 \$400 3 yr.

RED CEDAR, <u>Juniperus virginiana</u> - Small dense tree with both scale-like and needle-like leaves, making it less susceptible to deer browse. Grows best in full sun. Rot-resistant heartwood oxblood color and aromatic. Dark blue berries consumed by song and game birds. Grows best in central and southern New Hampshire. Avoid planting near apple trees. Height: 20-40'.

HEMLOCK, <u>Tsuga canadensis</u> - Tall, dark green, extremely shade-tolerant tree of cool, moist forests. Grows well on wet soils. Excellent winter cover for deer and other wildlife. Grows well throughout NH. Mature height to 80'. **Shipments of hemlock are restricted in many states therefore we cannot ship hemlock out of NH.**

 Age
 Size
 Per 10
 Per 25
 Per 100

 3 yr.
 6-10"
 \$20
 \$30
 \$100

THE FOLLOWING IS AVAILABLE IN THE SCREEN/WINDBREAK PACKAGE ONLY

DOUGLAS-FIR, <u>Pseudotsuga menziesii</u> - Tall evergreen tree native to western United States. A magnificent tree with soft, 3/4 to 1 1/4" green needles radiating in all directions from the branch. A popular Christmas tree. Susceptible to late spring frost; avoid planting in low areas. Prefers moist, well-drained soils. Excellent response to shearing, one of the fastest growers. Grows best in central and southern NH. Mature height 60-80"

SPECIALTY PACKAGES

PRICE - \$35 PER PACKAGE

Our specialty packages consist of **25 assorted seedlings** (5 each of 5 different species) color coded for easy identification. Each seedling will average 4 to 12" tall. Each package is a 2' x 3' poly-lined paper bag and will easily fit in the trunk of a small car. **NOTE**: Occasionally we may need to substitute a species within a packet due to crop failure, winter damage or other circumstances beyond our control.

DOGWOOD PACKAGE - This package consists of 5 kinds of dogwood shrubs native to NH. All are important to songoirds, providing nesting cover in spring and food sources from early summer through fail. The package contains alternate-leaf dogwood, gray dogwood, red-osier dogwood, silky dogwood and yellow-osier dogwood.

NATIVE SPECIES PACKAGE - This package contains plants that are native to NH (present when European settlers arrived in the early 1600's). These species will grow on average to dry soils. The package contains American mt. ash, hazelnut, beach plum, Virginia rose and gray dogwood.

SONGBIRD/WILDLIFE PACKAGE - This package includes plants that provide seeds and berries that attract birds and other wildlife, whether summer visitors or year-round residents. A valuable source of natural food. The package contains American hazelnut, native grape, aronia berry, crabapple, and beach plum.

WETLANDS PACKAGE - These shrub species grow well in wetlands and saturated soils, including pond edges and stream banks. They will tolerate surface water during part of the growing season. The package contains silky dogwood, buttonbush, winterberry holly wetlands rose, and pussy willow.

DECIDUOUS TREE PACKAGE – These trees lose their leaves every fall. The seeds, nuts, or berries they produce are an important food source for a variety of birds and animals. This package contains black walnut, sugar maple, red oak, silver maple, and paper birch.

CHRISTMAS TREE SAMPLER PACKAGE - This package allows one to test small quantities of different species to see which trees will grow best on a selected site. Conifer trees provide cover, nesting habitat, and food for a variety of songbirds and wildlife. This package contains 5 each of the following popular trees: balsam fir, Fraser fir, concolor fir, Canaan fir, and white spruce.

SCREEN/WINDBREAK PACKAGE – These conifers are great for providing a screen or windbreak, as well as nesting habitat and food for birds and animals. 5 each of red cedar, Norway spruce, white spruce, balsam fir, and Douglas fir will provide visual variety to a screen or windbreak Plant 8-10 ft. apart.

THE FOLLOWING ARE AVAILABLE IN PACKAGES ONLY

MOUNTAIN ASH, AMERICAN, Sorbus americana - Soil/site: moist to dry. Spacing: plant each seedling singularly 10-20' apart. Fruits small reddish clustered, about 1/4" late summer into autumn. Mature leight: 30-20'. Available in the native package only

PUSSY WILLOW, <u>Salix discolor</u> - Soil/site: wet soils, full sun. Can grow to 20' if not pruned. Do not plant near water, sewer or septic pipes. **Available in the wetlands package only**

WINTERBERRY HOLLY, COMMON, <u>Ilex verticillata</u> - Soil/site: common in swamps and along field edges; Fruit; red berries for med by early autumn, persisting into winter; Wildlife value: fruit used by many species of songbirds, waterfowl, upland game birds and small mammals. Mature height: to 15'. **Available in the wetlands package only**

DOGWOOD, RED OSIER, <u>Cornus sericea</u> - Soil/site: moist. Uses: stream bank erosion control. Fruit: clusters of white berries in July-August. Wildlife values fruit preferred by many species of songbirds and game birds. Tolerates partial shade. The bright red twigs seen in the winter are browsed by deer, moose, rabbits. Mature height: to 12'. **Available in the dogwood package only**

NON NATIVE CONSERVATION SEEDLINGS

Disclaimer: These plants are primarily intended for wildlife and songbird use. Some species may contain toxins harmful to humans if consumed.

The following are 1 or 2-year old seedlings unless otherwise noted. Heights are at least 6 to 12", and are available for the following prices:

 Age
 Size
 Per 10
 Per 25
 Per 100

 1-2 vr.
 6-12"
 \$15
 \$25
 \$80

CRABAPPLE, <u>Malus spp.</u> - Plant at least 10-15' apart; Fruit: abundant fruit usually persistent through winter. Wildlife value: used by numerous songbirds, game birds and mammals; a small tree. Mature height: 10-25'.

MOUNTAIN ASH, EUROPEAN, <u>Sorbus aucuparia</u> - A medium size tree up to 30' tall that grows well in dry soils but prefers rich moist soil. Recommended spacing is to plant each tree singularly, 10 to 20' apart. Has large white flowers in the spring. Red-orange berry clusters are valuable food for deer, rabbit, ruffed grouse, and many species of songbirds, especially grosbeaks and waxwings. In fruit late August into winter.

<u>Please visit</u> www.nh.gov/nhnursery

to see sample pictures of these and other species in this catalog.

HARDWOOD TREE SEEDLINGS

RED OAK, <u>Quercus rubra</u> - A large tree producing some of the most valuable lumber in the northeast. Prefers fertile, well-drained soils from central NH southward. Oak acorns are a valuable source of winter food and eaten by deer, bear, turkeys and squirrels. Mature height: 70-80'.

Age	Size	Per 10	Per 25	Per 100	Per 500	Per 1000
1 vr.	6-10"	\$15	\$25	\$80	\$300	\$500

BLACK WALNUT, <u>Juglans nigra</u> - Valuable hardwood tree that grows best on rich, well-drained sites in southern NH. Dark brown heartwood lumber used for veneer, furniture, cabinets and ornamental woodworking. Large, round nuts favored by squirrels and mice. Tomatoes, apples and other species may not survive near large walnut trees. Mature height: 70-100'.

Age	Size	Per 10	Per 25	Per 100	Per 500	Per 1000
1 yr.	8-16"	\$15	\$25	\$80	\$300	\$500

SILVER MAPLE, <u>Acer saccharinum</u> - A fast-growing shade tree, locally common in bottomlands along larger rivers in the northeast; well adapted to wet sites. Also known as soft, white or river maple. Mature height: 60-80'.

Age	Size	Per 10	Per 25	Per 100	Per 500
1 yr.	8-12"	\$15	\$25	\$80	\$300

SUGAR MAPLE, Acer saccharum - One of the most valuable hardwood trees supplying lumber and maple syrup. Prefers moist to well-drained loamy soils and grows well throughout NH. Brilliant fall foliage. Mature height 70-80'.

Age 2 yr. 48 \$15 \$25 \$80

PAPER BIRCH, <u>Betula papyrifera</u> - The State tree of New Hampshire; grows across much of central and northern North America, west to Alaska. A pioneer species, growing quickly on bare, exposed mineral soil in partial to full sunlight. Striking white peeling bark on mature stems, used years ago for canoe and wigwam coverings. Seeds eaten by song and game birds; twigs browsed by deer, moose and snowshoe hare. Mature height: 60-80'.

Age Size Per 10 Per 25 Per 100
1 yr. 5-8" \$15 \$25 \$80

SCRUB OAK (Bear oak) <u>Quercus ilicifolia</u> – A small shrubby tree that grows best in dry soils. Acorns are eaten by a variety of birds and wildlife. Mature height: 10-20 ft.

Age Size Per 10 2 yr. 4-8" 150





NATIVE CONSERVATION SEEDLINGS

Disclaimer: These plants are primarily intended for wildlife and songbird use. Some species may contain toxins harmful to humans if consumed.

The following are 1 or 2-year old seedlings. Heights are at least 6 to 12", and are available for the following prices (except as noted):

Age Size Per 10 Per 25 Per 100

1-2 yr. 6-12" \$15 \$25 \$80

ARONIA BERRY (black chokeberry), <u>Aronia melanocarpa</u> - a small (6-10') shrub which grows well in wetlands. It tends to root sucker, forming large clumps. White flowers in June; black berries August - November eaten by songbirds and game birds.

BAYBERRY, NORTHERN, Myrica pennsylvanica - Soil/site: well-drained to dry soils, also salt tolerant; Wildlife value, food and cover; plant 1-3' apart for best wildlife use, fruit consumed by songbirds and game birds. This fragrant plant provides food and cover for wildlife. The berries can be used for candle making. Fruit: persists through winter. Mature height: 3-8'.

BUTTONBUSH, <u>Cephalanthus occidentalis</u> - Soil/site: wet, pond edges. Flowers mid to late summer; Fruit: favored source of food for waterfowl as well as several songbird & wildlife species. Wildlife value flowers are a favorite of honeybees and butterflies. Mature height: 3-8'.

DOGWOOD,ALTERNATE LEAF Cornus alternifolia - Soil/site: dry to moist soils, good shade tolerance. Flowers May-June. Fruit: dark berries in clusters eaten by game birds and songbirds. Twigs browsed by deer and rabbits. Mature height: 10-12.

DOGWOOD, GRAY, (red panicle dogwood), <u>Cornus racemosa</u> - Soil/site: moist or dry. Wildlife value: a songbird favorite. Has white flowers in June; Fruit: In late summer the plant produces clusters (panicles) of white berries on red stems. It will grow in partial shade. Mature height: to 15'.

DOGWOOD, YELLOW OSIER, <u>Cornus sericea</u> - Soil/site: moist. Uses: stream bank erosion control. Fruit: clusters of white berries in July-August. Wildlife values: fruit preferred by many species of songbirds and game birds. Tolerates partial shade. The bright yellow twigs seen in the winter are browsed by deer, moose, rabbits. Mature height: to 12'.

DOGWOOD, SILKY, Cornus amomum - Soil/site: moist. Uses: planted for hedgerows, windbreaks and for stream bank erosion control. Tolerates partial shade. Fruit: August-September. Wildlife value: bluish fruit eaten by game birds, especially important as a source of food for migrating songbirds; twigs browsed by deer and rabbits. Mature height: 10-12'.

ELDERBERRY, COMMON, <u>Sambucus canadensis</u> - Soil/site: tolerant of wet to dry. Uses: screens or shrub borders planted 4-8' apart; Wildlife value, favored by squirrels, deer and migrating songbirds; Fruit: August-October, Mature height: to 10'. Seedlings may be less than 6" or rootstock. *Please check* www.nh.gov/nhnursery for availability before ordering.

GRAPE, NATIVE, <u>Vitis spp</u> - Size: up to 30 vine. Soil: moist to well-drained fertile soils. Spacing 1-2'. Wildlife game birds, mammals, almost 100 species of songbirds. Fruit: August - October. Seedlings may be less than 6" or rootstock.

HAZELNUT, AMERICAN, <u>Corylus americana</u> - Soil/site: dry sites, often in thickets. Wildlife value: nuts, also called filberts, ripen in late summer and are preferred by numerous mammals, game birds and some songbirds. Mature height: 5-10'.

JUNEBERRY (shadbush), Amelanchier spp. - Soil/site: moist to dry, can often be found in the understory or along field edges. Flowers in May; Fruit: June-July; Early source of fruit for a variety of sorig and game birds, and animals. Mature height 10-20'. Please check www.nh.gov/nhnursery for availability before ordering. AVAILABLE IN QUANTITIES OF 10/\$15 ONLY

NINEBARK, Physocarpus opulifolius Soil/site: grows in moist or dry soils, partial shade or full sun. Dense foliage good for resting birds, Known for its flaky bark. Can withstand deer browse. Abundant flowers May-June. Mature height: 5-10'.

PLUM, BEACH, Prunus maritima - Soil/site: dry soils also salt tolerant; Flowers: May-June; Fruit: late summer, purple or yellowish in color, 1/2 to 1" in size. Eaten by mammals songbirds and game birds. Mature height: to 6'.

ROSE, VIRGINIA, <u>Rosa virginiana</u> - Soil/site: moist to dry; salt tolerant; Fruit: 1/2 to 3/4" hips remain on plant until following spring if not eaten; Wildlife value: used by songbirds, mammals and upland game birds. Mature height: 4-7'.

ROSE, WETLANDS, Rosa palustris - Soil/site: wet soils; Fruit/flowers: flowers pink, hips persistent; Wildlife value: songbirds, game birds and mammals; thicketforming shrub with slender stems. Mature height: 4-7'.

SUMAC, FRAGRANT, Rhus aromatica - Soil/site: tolerates partial shade and dry soils; Uses: excellent cover to stabilize bankings; Fruit: persists into winter; Wildlife value: a favorite of grouse and turkey. Very nice fall color. Mature height: 4-6'.

