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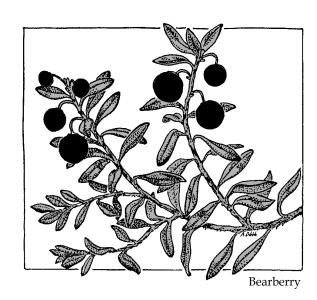
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Gardening to Conserve Maine's Native Landscape:

Plants to Use and Plants to Avoid





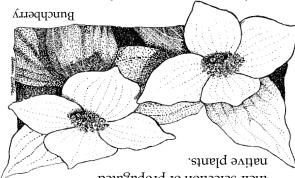


.mth.nshnesanohlentions/homegarden.htm. Plants fact sheet series are also available online at Plants: A Maine Source List," and the Maine Invasive "Gardening to Conserve Maine's Landscape," "Native

Bulletin #2502, "Native Plants: A Maine Source List." For more information about Maine native plants, see

propagated, purchase your plants elsewhere. cannot guarantee that its native plants are nurserydevastate natural populations. If the nursery plants, cuttings, seeds, or sods from the wild can native plants are nursery-propagated. Collecting help customers with plant selection. Ask if their at local garden centers, where the staff can usually Plant Recommendations table (over) are available and are therefore hardy. Most plants in the Native

Native plants are well adapted to Maine's climate Garden Center Looking for Native Plants at Your



their selection of propagated ■ Urge your garden center managers to expand

all roots, from the soil. yard and garden. Remove the plant, including

 Eliminate invasive non-natives from your and as food for birds and pollinators.

■ Try growing some native species as ornamentals escape from the garden.

• Grow plants that do not "jump the fence" or other invasive plants.

purchase or transplant purple loosestrife and You can promote native plants by refusing to

What Can You Do to Help?

common reed (Phragmites australis) cespitosa ssp. parviflora)

small-flowered tickle-grass (Deschampsia

wultiflora rose (Rosa multiflora)

Sarlic mustard (Alliaria petiolata)

non-native honeysuckles (Lonicera spp.) and Rhamnus cathartica)

smooth and common buckthorn (Frangula alnus

Appanese knotweed (Fallopia japonica)

 Oriental bittersweet (Celastrus orbiculatus) S Japanese barberry (Berberis thunbergii)

w purple loosestrife (Lythrum salicaria)

səbuləni ənin X ni əvizəvni teom Non-native plants considered

difficult to eradicate once they become established. its seeds over long distances. Both species are very Maine's forests and wetlands because birds disperse grow into new plants. Japanese barberry is invading single season! Even the tiniest root fragments can loosestrife plant can produce three million seeds in a barberry, are highly invasive. A single purple secrees, including purple loosestrife and Japanese are appropriate for planting. However, a few popular Most familiar nursery plants are not invasive and

him bno bious of stant

want to protect native species and natural areas. native plants are a major concern to people who drive some species to extinction. This is why nonbirds. Unchecked, invasion by non-natives could pollinators, plant-eating insects and truit-eating and after the behavior of native animals such as diminish the availability of food plants for wildlife, animals. These plants choke out native vegetation, and straig eviter for institution and si seiseqe One long-term effect of invasive non-native

serions bests.

barberry and Asian honeysuckle can become non-native species as purple loosestrife, Japanese Therefore, their spread is uncontrolled and such when non-native plants are introduced here. Natural predators and diseases are left behind

woods, fields or roadsides.

and become naturalized in wetlands, lakes, native plants continue to escape from cultivation ships' ballasts, crop seed or in soil. Some nonhorticultural or other uses, or came accidentally in native species were brought intentionally for thousands of years ago, or originated here. Nonin Maine without human intervention, perhaps Native plants are those species that either arrived

Plant Species, and Why Should I Care? What are Native Versus Non-native

species spread across the state's varied landscape. have been identified with about 1500 native plant and northern hills. More than 100 types of habitats fir near the coast, to hardwoods in the western shear cliffs. Maine's forests vary from spruce and hills, rounded summits and craggy mountains with of habitats including flat sandy plains, rolling This wide range of elevation results in a diversity 5,000 feet in elevation at the top of Mount Katahdin. mile width. Maine rises from sea level to over arctic within the state's 300 mile length and 200 relatively mild areas, and areas that are almost coastal and inland weather patterns. This creates and forests. Maine is locally influenced by both ocean beaches, lakes, rivers, mountains

variety. Within the state one can find aine's landscape is famous for its Maine's Native Landscape

Native Plant Recommendations

Swallowtail butterfly

Light: F=full sunlight P=partial shade

S=shade

Moisture: H=hydric; wet, periodically or often inundated by water

M=mesic; moist, adequate soil moisture retention all year

S=sub-xeric; moist to dry, seasonally moist, periodically dry X=xeric; dry and drought resistant, little

	Common name	Scientific name	*	•			Height Comments	X=xeric; dry and drought resistant, little moisture retention, excessively drained
// W	Balsam fir	Abies balsamea	F,P	M	75'	Open growth in hot, dry locations; evergreen		rgreen
Trees	Red maple, Swamp maple Sugar maple, Rock maple	Acer rubrum Acer saccharum	F,P F,P	M M	60' 75'	Excellent fall color; tolerates wet spring soils Excellent orange-red fall color; beautiful large shade tree	•	•
	Mountain maple	Acer spicatum	F,P	М	30'	Useful in naturalizing	30' Useful in naturalizing	
	Yellow birch Paper birch	Betula alleghaniensis Betula papyrifera	F,P F	M M	100' 70'	Does best in cool soils and cool summers; beautiful bark; long lived Beautiful white bark year-round; tolerates poor, dry soils		
	Gray birch	Betula populifolia	F	M	40'	Does well in poor soils; good for naturalizing	40' Does well in poor soils; g	alizing
	American hornbeam, Blue-beech Pagoda dogwood	Carpinus caroliniana spp. virginiana Cornus alternifolia	F F,P	M M	30' 25'	Good for naturalizing; tolerates periodic flooding Moist soil is important; white flowers in early June	•	
	Cockspur thorn White ash	Crataegus crus-galli Fraxinus americana	F F	M M	30' 80'	Glossy green leaves; 2" thorns; persistent dark red fruits Handsome large tree; good fall leaf color; tolerates alkaline soil		
	Green ash	Fraxinus pennsylvanica	F,P	M	60'	Faster-growing than white ash; tolerates salty, dry and alkaline soil	60' Faster-growing than white	es salty, dry and alkaline soil
	Larch, Hackmatack, Tamarack Black gum	Larix laricina Nyssa sylvatica	F F,P	H,M M	80" 50'	Good in well-drained and moist-to-wet naturalized sites Excellent yellow-orange fall leaf color		naturalized sites
	American hophornbeam	Ostrya virginiana	F,P F,P	M,S	40'	Slow to establish after transplanting; good medium-sized tree	40' Slow to establish after tra	
	White spruce, Cat spruce Black spruce	Picea glauca Picea mariana	F,P F,P	M M	60' 40'	Good specimen or windbreak; evergreen Tolerates wet sites; evergreen	·	en
	Jack pine Red pine, Norway pine	Pinus banksiana Pinus resinosa	F F	S,X S,X	50' 80'	Useful for windbreaks or mass plantings in sandy soil; evergreen Good windbreak; tolerates dry soils well; evergreen		
泛 對加	White pine	Pinus strobus	F	M,S	80'	Handsome specimen; not tolerant of salt; evergreen	80' Handsome specimen; no	salt; evergreen
	Bigtooth aspen Quaking aspen, Trembling aspen	Populus grandidentata Populus tremuloides	F	M,S M	70' 50'	Fast growing, short lived; good yellow fall leaf color Fast growing, short lived; good yellow fall leaf color	· · · · · · · · · · · · · · · · · · ·	
	Pin cherry, fire cherry, bird cherry Black cherry	Prunus pensylvanica Prunus serotina	F F	M M	35' 60'	Adaptable; fast growing; tolerates poor soil Interesting black bark; white flowers in spring; wildlife food source		
	White oak	Quercus alba	F	М	80'	Large tree; transplant when young	80' Large tree; transplant wh	
	Northern red oak Black willow	Quercus rubra Salix nigra	F F	M H,M	75' 35'	Transplants readily; good fall red leaf color Tolerates wet soils; twigs can cause lawn litter	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
	American mountainash	Sorbus americana	F	M	30'	Fruits good in wildlife landscape	30' Fruits good in wildlife land	
	Northern white-cedar, Arborvitae Basswood, American linden	Thuja occidentalis Tilia americana	F,P F,P	M M	60' 80'	Useful hedge or specimen plant; tolerates alkaline soil Large tree; tolerates alkaline soil; good for urban landscape	9 1	
	Eastern hemlock	Tsuga canadensis	F,P,S	М	70'	Graceful evergreen; does not tolerate drought or windy sites	70' Graceful evergreen; does	drought or windy sites
	Downy serviceberry	Amelanchier arborea	F,P	М	25'	Useful in edible and wildlife landscapes; excellent orange fall color	25' Useful in edible and wildl	es; excellent orange fall color
	Eastern serviceberry Smooth serviceberry, Allegheny serviceberry	Amelanchier canadensis Amelanchier laevis	F,P F,P	M M	20' 25'	Useful in edible and wildlife landscapes; yellow-gold fall color Useful in edible and wildlife landscapes; spring leaves are bronze		
"	Bog rosemary	Andromeda polifolia var. glaucophylla	F,P	Н	1'	Leathery evergreen leaves; requires very moist acid soil	1' Leathery evergreen leave	· · · ·
SOLUTION	Buttonbush Sweetfern	Cephalanthus occidentalis Comptonia peregrina	F F,P	H S,X	6' 3'	Good for wetland plantings Aromatic foliage; interesting texture; good in dry sandy soil		ood in dry sandy soil
然原料	Gray dogwood	Cornus racemosa	F,P,S	М	15'	Suckering; white fall fruits eaten by many birds	15' Suckering; white fall fruits	any birds
	Redosier dogwood American hazelnut	Cornus sericea Corylus americana	F F,P	H,M M	6' 15'	Red stems attractive in winter; suckering; tolerates wet soil Good for naturalizing; fruit eaten by wildlife; tolerates alkaline soil		
	Bush-honeysuckle	Diervilla lonicera	S,P	М	5'	Suckering plant, very hardy, adaptable	5' Suckering plant, very har)
	Leatherwood Common witchhazel	Dirca palustris Hamamelis virginiana	S F,P	M M	4' 15'	Yellow fall color; thrives in moist, shady sites Avoid droughty sites; yellow flowers in October; yellow fall leaf color	*	
	Winterberry, Black-alder	llex verticillata	F,P	H,M	10'	Bright red fruits persist into midwinter; excellent wetland plant	10' Bright red fruits persist in	excellent wetland plant
	Common juniper Sheep, laurel, Lambkill	Juniperus communis var. depressa Kalmia angustifolia	F F,P	M,S,X M,S	3' 3'	Tolerates drought, wind, sterile or alkaline soils; evergreen Adaptable to many soils; best in very acid soil; good for naturalizing		
	Sweetgale Northern bayberry	Myrica gale Myrica pensylvanica	F F,P	S,X S,X	4' 6'	Bushy plant; dark green foliage; aromatic foliage Good for massing; useful in poor soil sites; aromatic foliage		
	Bush cinquefoil	Pentaphylloides floribunda (Potentilla fruticosa)	F	M,S,X	4'	Good summer-flowering shrub; tolerates alkaline soil	4' Good summer-flowering	es alkaline soil
	Black chokeberry Beach plum	Photinia (Aronia) melanocarpa Prunus maritima	F,P F	H,M,S M,S	6' 6'	Suckers; wine-red fall color; good wildlife plant in wet or dry soils Good for edible landscape; salt-tolerant	,	
	Chokecherry	Prunus virginiana	F	M	30'	Suckering shrub; white flowers in spring; wildlife food source	30' Suckering shrub; white flo	ng; wildlife food source
	Rhodora Labrador tea	Rhododendron canadense Rhododendron (Ledum) groenlandicum	F,P F,P	H,M H,M	3' 3'	Magenta flowers in spring; best in very acid soil Transplants well; good for moist-to-wet naturalized sites		
	Staghorn sumac	Rhus hirta (R. typhina)	Р	M,S.X	25'	Spreads by suckers; good mass plant for dry slopes	25' Spreads by suckers; good	for dry slopes
	Meadow rose Pasture rose	Rosa blanda Rosa carolina	F	M M	5' 5'	Suckers; single light pink flowers; red hips in fall and winter Pink single flowers in midsummer; small red hips persist into winter		•
	Virginia rose	Rosa virginiana	F	M,S	5'	Suckers; good in dry and seaside sites; good barrier/hedge	5' Suckers; good in dry and	s; good barrier/hedge
	Pussy willow American elder	Salix discolor Sambucus canadensis	S F	H,M M	15' 12'	Fuzzy flowers in early spring; good for naturalizing Useful in edible landscape; tolerates alkaline soil		
	Scarlet elder Canadian yew	Sambucus racemosa spp. pubens (S. pubens) Taxus canadensis	F P,S	M M	20' 6'	Flowers in mid to late July; handsome red fruit in midsummer Hardiest yew; good for naturalized shady landscape; evergreen		
	Highbush blueberry	Vaccinium corymbosum	F	M	8'	Good for edible or wildlife landscapes; best in very acid soil	, , ,	
	Mapleleaf viburnum Hobblebush	Viburnum acerifolium Viburnum lantanoides (V. alnifolium)	P,S P,S	M,S M	6' 8'	Suckering; good for mass plantings in shady sites Open shrub; good for naturalized landscape	5, 5	· · · · ·
"是"以从	Arrowwood viburnum	Viburnum dentatum var. lucidum	F,P	М	15'	Durable; good for hedges; tolerates alkaline soil	15' Durable; good for hedges	kaline soil
	Nannyberry Witherod, Wild-raisin	Viburnum lentago Viburnum nudum var. cassinoides	F,P S,P	M,S M	15' 10'	Good for wildlife and naturalized landscapes Excellent fall foliage and fruit color		capes
	Highbush cranberry	V. opulus var. americanum (V. o. var. trilobum)	F,P	M	12'	Excellent for screening; good for wildlife landscapes	12' Excellent for screening; g	fe landscapes
<u>B</u> S	Running serviceberry	Amelanchier stolonifera	F,P	М	2'	Stoloniferous groundcover; forms thickets	2' Stoloniferous groundcove	eets
Vines and Ground Covers	Bearberry American bittersweet	Arctostaphylos uva-ursi Celastrus scandens	F,P F, P	S,X M,S	6" 	Best in poor, sandy, very acid soils; salt-tolerant; groundcover Climbing vine; separate male and female plants; tolerates alkaline soil	1	
86	Virgin's bower	Clematis virginiana	F	M		Climbing vine; white flowers in late summer; best in alkaline soil	• •	•
£9	Bunchberry Checkerberry, Wintergreen	Cornus canadensis Gaultheria procumbens	P,S P,S	M M	6" 6"	Spreading groundcover; white flowers in spring; red fruit in fall Evergreen groundcover; leaves fragrant when crushed; reddish in fall		
	Creeping juniper	Juniperus horizontalis	F	M,S,X	1'	Adaptable; tolerates hot, dry sites and alkaline soil; evergreen	1' Adaptable; tolerates hot,	alkaline soil; evergreen
2	Partridgeberry Woodbine, Virginia creeper	Mitchella repens Parthenocissus quinquefolia	S F,P,S	M M,S,X	2"	Delicate plant; red fruits persist into winter Vigorous vine; tough; maroon fall color; tolerates alkaline soil		
	Lowbush blueberry	Vaccinium angustifolium	F	M	2'	Slow; good for edible or wildlife landscapes; requires acid soil	2' Slow; good for edible or v	capes; requires acid soil
	Cranberry Fox grape	Vaccinium macrocarpon Vitis labrusca	F F	H,M M	6" 	Slow; good for edible or wildlife landscapes; requires acid soil Handsome foliage; good vine for arbors and fences	. 0	
	White handborns Ped handborns	Actaga pachunada A ruhra	P,S	M	24"	Attractive but poisonous fruits	24" Attractive but poisonous	a Wh M a.
ants	White baneberry; Red baneberry Columbine	Actaea pachypoda, A. rubra Aquilegia canadensis	F,P,S	M,S	12"	Attractive, but poisonous fruits Early spring flowers New England A	12" Early spring flowers	New England Aster
e C	Spikenard Silverweed	Aralia racemosa Argentina anserina	P,S F	M,S S,X	36" 6"	Good for back of border Yellow flowers, silvery leaves		
Flowering PI	Jack-in-the-Pulpit	Arisaema triphyllum	P,S	H,M	12"	Flower green and brown; bright red fruits	12" Flower green and brown;	uits
	Milkweed Marsh Marigold	Asclepias syriaca Caltha palustris	F F,P	S,X H,M	36" 12"	Attracts butterflies Showy yellow flowers in early spring		AMA MARKANA
9 11	Harebell	Campanula rotundifolia	F,P	M,S,X	12"	Delicate blue-purple flowers	12" Delicate blue-purple flow	
<u>o</u>	Blue Cohosh White turtlehead	Caulophyllum thalictroides Chelone glabra	P,S P,S	M,S H,M	36" 24"	Blue fruits; back of border Interesting white flowers in midsummer	·	er William
	Bluebead-lily	Clintonia borealis	P,S	M,S	12"	Pale yellow ball-shaped flowers; fruits poisonous	12" Pale yellow ball-shaped flo	
nials:	Trout-lily, Dog's-tooth-violet Joe-pye Weed	Erythronium americanum Eupatorium maculatum	P,S F	M H,M	6" 48"	Flowers early spring Purple flowers in fall; attracts butterflies; good for drying	, , ,	s; good for drying
:	Boneset	Eupatorium perfoliatum	F FP	H,M	24"	Green flowers; good for drying	24" Green flowers; good for o	
Perenr	Blue Flag Indian Cucumber-root	Iris versicolor Medeola virginiana	F,P P,S	H,M M	24" 12"	Elegant form; blue-purple flowers; easy to grow Interesting magenta floral bracts	12" Interesting magenta flora	
क्षा ।।।	Obedient Plant Solomon's Seal	Physostegia virginiana Polygonatum pubescens	F,P,S P,S	M,S,X M	24" 18"	Flowers pink, leaves dark green; good cut flower Arching stems; white flowers in early spring; tall groundcover for shade		
医小腿	Bloodroot	Sanguinaria canadensis	P,S	M	12"	Showy white flowers in early spring	12" Showy white flowers in ea	g, an groundover for eliade
	New England Aster New York Aster	Symphyotrichum (Aster) novae-angliae Symphyotrichum (Aster) novi-belgii	F,P F,P	M,S,X M,S,X	24" 24"	Fall flowering; deep purple Fall flowering; purple	O, 11 1	
	Foam Flower	Tiarella cordifolia	Р	М	6"	Delicate white flowers in early spring	6" Delicate white flowers in	
	Wild-oats Violet	Uvularia sessilifolia Viola species	P,S P	M M	6" 2-6"	Creamy, bell-shaped flowers in early spring Various species and colors; most self-sow to form groundcovers		1 0
	Maidenhair Fern	Adiantum pedatum	P,S	M	18"	Graceful black stem; nearly circular fronds; tolerates alkaline soil	18" Graceful black stem noo	onds: tolerates alkaline soil
	Lady Fern	Athyrium filix-femina var. angustum	P,S	H,M	18"	Lacey fronds; reddish in spring	18" Lacey fronds; reddish in	
0	Hay-scented Fern Spinulose Wood Fern	Dennstaedtia punctilobula Dryopteris carthusiana	F,P P,S	S,X M,S	12" 24"	Fragrant lacey fronds; tolerates hot, dry sites; spreading Lacey fronds; reddish in spring		y sites; spreading
	Marginal Wood Fern	Dryopteris marginalis	F,P	S,X	24"	Easy to grow; fronds blue-green; tolerates rocky sites	24" Easy to grow; fronds blue	
<u> </u>	Ostrich Fern Sensitive Fern	Matteuccia struthiopteris var. pensylvanica Onoclea sensibilis	P,S F,P	M H,M	36" 12"	Edible fiddleheads; beautiful green fronds; plume-like fertile fronds Easy to grow; spreads; persistent bead-like fertile fronds in winter		
3	Cinnamon Fern	Osmunda cinnamomea	P,S	H,M	36"	Easy to grow; attractive cinnamon-colored fertile frond in spring	36" Easy to grow; attractive of	ored fertile frond in spring
Perennials: Ferns	Interrupted Fern Royal Fern		F,P,S F,P,S	H,M,S,X H,M,S	36" 36"	Easy to grow; spreads well; luxuriant spring growth Vase-shaped; interesting fertile fronds; sterile fronds finely dissected		
<u>G</u>	Long Beech Fern	Phegopteris connectilis	P,S	М	6"	Smaller size fern, low growing; spreads well	6" Smaller size fern, low gro	•
	Christmas Fern	Polystichum acrostichoides	P,S	М	12"	Leathery, evergreen fronds	ı∠ ∟eatnery, evergreen frond	