		Rec	commended Plants for the NC Piedr	nont							
Botanical Name	Common Name	Recommended Cultivars	Notable Features	Growth Rate	Exposure Requirement	Native	USDA Hardiness Zones	Max. Mature Height	Max. Mature Width		
Tree Desidueus Large (Height: 4	0'+)										
Tree Deciduous Large (Height: 4  Acer rubrum	Red maple	'October Glory'/ 'Red Sunset'	fall color	Rapid	Shade/sun	х	2-9	75'	45'	l x	х
rice rabiani	red maple	Colober Glory/ Nea Gariset	fast growing, mulit-stemmed, papery peeling	Таріа	Orlade/Suri	^		10	70	+^++	Ĥ
Betula nigra	River birch	'Heritage® 'Cully'/ 'Dura Heat'/ 'Summer Cascade'	bark, play props	Rapid	Shade/part sun	x	4-8	70'	60'	x	х
Celtis occidentalis	Hackberry		tough, drought tolerant, graceful form	Moderate/rapid	Full sun	х	2-9	60'	60'		х
Fagus grandifolia	American beech		smooth textured bark, play props	Slow	Shade/part sun	х	3-8	75'	60'	-	х
Fraxinus americana	White ash	<u> </u>	fall color	Moderate	Full sun/part shade	х	3-9	80'	60'	-	Х
Ginkgo biloba	Ginkgo, Maidenhair tree	'Autumn Gold'/ 'The President'	yellow fall color	Slow/moderate	Full sun		3-9	70'	40'	+	Х
Gleditsia triacanthos var. inermis	Thornless honey locust	Shademaster®/ Skyline®	good dappled shade, fall color, quick growing, salt tolerant, tolerant of acid and alkaline soils, wind	Rapid	Full sun/part shade	x	3-8	75'	50'	x	x
Liriodendron tulipifera	Tulip poplar		fall color, quick growth rate, play props	Fast	Full sun	x	4-9	90'	50'		х
At	Disabases	NACIDIFICATION AND AND AND AND AND AND AND AND AND AN	good fall color, vallow to grange to and	Slaw/modorate			4.0	001	201	$\perp$	1
Nyssa sylvatica	Black gum	'Wildfire'/ Red Rage® 'Hayman's Red'	good fall color, yellow to orange to red	Slow/moderate	E. II	X	4-9	60'	30'	1	$\vdash$
Platanus x acerifolia	Sycamore, Planetree	'Bloodgood'	play props, peeling bark play props	Rapid	Full sun	X	4-9 4-8	90'	70'		Х
Quercus imbricaria	Laurel or Shingle oak	'Lliabhaam'	play props	Slow	Full sun Full sun	X	4-8 5-9	60' 60'	60' 50'	-	X
Quercus lyrata Quercus palustris	Overcup oak Pin oak	'Highbeam'	play props, good fall color, wet tolerant	Moderate/fast	Full sun	X X	5-9 4-8	80'	50'	<u> </u>	X
Quercus palustris Quercus phellos	Willow oak	'Hightower'	play props, good fall color, wet tolerant	Fast	Full sun	X	5-9	80'	40'	x x	
Quercus priellos	Willow Oak	nigitiowei	play props, wet tolerant	гаъс	Full Sull		5-9	80	40	+ + + +	r
Tilia cordata	Little leaf linden, Basswood	'Greenspire'		Moderate	Full sun/part shade		3-7	60'	40'		
Taxodium distichum	Baldcypress	'Shawnee Brave'	fall color, play props	Moderate	Full sun	x	4-9	70'	30'	+++	X
Ulmus parvifolia	Chinese elm	'Allee'/ 'Bosque'	peeling bark, graceful form	Moderate-Rapid	Full sun/part shade	^	4-9	70'	50'		x
Zelkova serrata	Japanese zelkova	Village Green™	vase-shaped form	Moderate	Full sun		5-8	80'	75'		x
Lomova derrata	Jupanicos Zomora	Timage Cross	<u> </u>	Iniductato	i un oun			- 55			Ĥ
Tree Deciduous Medium (Height:	30-40')										П
											П
Acer griseum	Paperbark maple		peeling papery bark, fall color	Slow	Full sun		4-8	30'	30'		x
Carpinus caroliniana	American hornbeam/ Musclewood		sinewy bark	Slow	Shade/part sun	x	3-9	30'	40'	x	х
Cercis canadensis	Eastern redbud	'Forest Pansy' (purple foliage)	quick growing, play props, pink flowers in spring	Rapid	Full sun/part shade	x	6-8	30'	25'		i J
Cornus florida	Flowering dogwood	'Cloud 9' (white flowers)/ 'Rubra' (pink flowers)	white flowers in spring	Moderate	Full sun/part shade	X	5-9	30'	30'	<del>    ^  </del>	X
Comus nonda	l lowering dogwood	Cloud 9 (Writte Howers)/ Trubia (pink Howers)	scented feathery flowers, good fall color,	iviouerate	i uli suli/part silaue	^	3-9	30	30	+	Ĥ
Cotinus obovatus	American smoketree		drought tolerant	Slow	Full sun/part shade	x	5-8	30'	25'	x	x
Halesia carolina	Carolina silverbell		play props, white spring flowers, yellow fall color play props, showy pink flowers in late winter to	Medium	Full sun/part shade	х	4-8	40'	35'		х
Magnolia x soulangiana	Saucer magnolia	'Dark Alexandria'	spring	Moderate	Full sun/part shade		5-9	30'	30'		ı v
Pistacia chinensis	Chinese pistache		good fall color, drought tolerant	Moderate	Full sun/part shade		6-9	35'	35'	x	x
Salix × sepulcralis	Weeping willow		good hiding place, graceful form	Fast	Full sun/part shade		5-9	40'	50'		X
								1			Ë
Tree Deciduous Small (Height: 1:	2-25')										$\sqcap$
Amelanchier x grandiflora	Apple serviceberry	'Autumn Brilliance'	white flowers in spring, good fall color		Full sun/part shade		3-7	25'	25'	+	х
Chionanthus virginicus	Fringe tree	'Spring Fleecing'	fringey white flowers in spring	Slow	Full sun/part shade	х	3-9	20'	15'		х
Cornus mas	Cornelian cherry	'Spring Glow'	white flowers in spring, fruit is edible	Slow	Full sun/part shade		5-8	25'	18'		х
Hamamelis virginiana	Common witchhazel		play props, yellow flowers in early winter, fall color	Slow	Full sun/part shade	х	4-8	25'	25'		х
Lagerstroemia indica	Crape myrtle	'Natchez'/ 'Tuscarora'	child-scale, good low level climbing potential, good fall color play props, showy white flowers in late winter to	Moderate	Full sun		7-9	25'	25'	x	х
L	04	IDI OtI			1		1	1	l		x
Magnolia stellata	Star magnolia	'Royal Star'	early spring	Slow	Full sun/part shade		5-8	20'	15'	1 1 1	

Vitex agnus-castus				[child-scale, purple flowers in summer, fast-						1		
Commercingwist Process	Vitex agnus-castus	Chaste tree			Fast	Full sun		7-9	20'	15'		x
December Stryptocos   Adamse white codar	Tree Evergreen I arge (Height: 4	(O'+)										$\square$
Chambargoeth Brounds   Anderson anthron could be appeared by the property of the Chambargoeth Brounds   Chambarg	Tree Evergreen Large (rieight.			Itolerates wet conditions, columnar form, cones							+	+
Second	Chamaecyparis thyoides	Atlantic white cedar		make good play props	Moderate	Full sun/part shade	х	3-9	90'	20'	Ш	х
Authorities   Selection education   Southern memorphisms   Souther	llex opaca	American holly		winter	Slow	Full sun/part shade	х	5-9	60'	35'		х
Management   Man	Juniperus virginiana	Eastern redcedar	'Brodie' (columnar form)		Moderate	Full sun	x	2-9	50'	20'		x
Post product   Post product   Post program   Post product   Post				play props, showy fragrant white flowers in late								
Prote baseds   Colority pine	Magnolia grandiflora	Southern magnolia	'Bracken's Brown Beauty'/ 'Kay Parris'	spring through summer, tolerates sand, salt	Slow/moderate	Full sun/part shade	х	7-9	80'	50'	$\vdash$	х
Tree Evergreen Medium (Height: 30-40)	Pinus strobus	Eastern white pine		graceful form, play props			х	3-7	80'	35'		Н
Mary Antonia Froberts   Footer's holdy   Survey flow magnificant street from the flowers setting flowers street from the flowers setting flowers street flowers setting flowers flowers setting flowers flowers street flowers setting flowers flowers setting flowers flowers setting flowers in setting flowers setting flowers setting flowers flowers flowers setting flowers flowers flowers setting flowers flowe	Pinus taeda	Loblolly pine			Rapid	Full sun/part shade	х	6-9	90'	40'		х
Moderate Sections	Tree Evergreen Medium (Height	. 20.40"										
Magnotia lappinine				dense conical habit	Claur	Full our /port chade		6.0	201	451	<del>    ,</del>	+
Magnotial segregation   Wilstern   Wilster	ilex x attenuata 'Fosteri'	Foster's noily			Slow	Full sun/part snade		6-9	30	15	<del>I I ×</del>	+
Depreture glauce   Party cupped oak   Party cuppe			'Wilson'	flowers, wet tolerant		<u> </u>	х				x	х
Tree Evergreen Small (Height: 10-25)	Osmanthus fragrans	Tea olive		strongly scented small flowers bloom in fall	Moderate	Full sun/part shade		7-10	30'	12'	$\sqcup \bot$	х
Camelia paponica   Japonese camelia   Sowers in spring   Sowndorarte   Parlist shade   7-9   15'   10'   1	Quercus glauca	Ring-cupped oak		play props, slower growth rate, tolerates clay	Slow	Full sun		7-9	40'	30'		x
Camella paponica   Japonese camella   flowers in paging   Sowmoderate   Partial shade   7-9   15'   10'	Tree Evergreen Small (Height: 4	0-25')									H	П
Common seasonque   Sasenqua camella   Source in fail, Uberlate d'Ought   Moderate   Light Sharber   Go   12   6   1   1   1   1   1   1   1   1   1		_ · ·		flowers in spring	Slow/modorate	Partial chado		7.0	15'	10'	++	х
Integration												X
Moreila centifera Southern warmyrite Intelligence plants and selections of comparison of the selections of comparison of the selections of				spineless leaves, black berries, tolerates wet							<u> </u>	1
Tree Edibles Carya illinoments Pecan edible nuts, play props edible fruit ripens in fall, both male and female necessary for fruit every female rise, edible fruit ripens in fall, both male and female necessary for fruit every female rise, edible fruit ripens in fall, both male and female necessary for fruit every female rise, edible fruit ripens in fall, both male and female necessary for fruit every female rise, edible fruit ripens in fall, both male and female necessary for fruit every female rise, edible fruit ripens in white or spring, wildlife attraction, grafted selections fruit in fire assummer, childle fruit, requires planting another vanely edible fruit, requires planting another vanely edible fruit, requires planting another vanely edible fruit, requires planting at least two compatible trees for pollination edible fruit, requires planting at least two compatible trees for pollination edible fruit, requires planting at least two compatible trees for pollination edible fruit, requires planting at least two compatible trees for pollination edible fruit, requires planting at least two compatible trees for pollination edible fruit, requires planting at least two compatible trees for pollination edible fruit, requires planting at least two compatible trees for pollination  European pear tree Vicifier, 'Moonglow' Chojuro'. 20th Century  Shrub Deciduous Large (Height: 10*4)  Shrub Deciduous Large (Height: 10*4)  Elamanealis virginiane Common witchhazel Outer Shrub Deciduous Medium (Height: 6-10')  Cheenomeles speciosa Common flowering quince Carero' Very fragrant while-pink flowers in sammer, thrives in wet conditions bright years flowers in summer, drought standed by the sammer of the sammer pring at least two confidences in summer.  Hibitoria syriecus planting at least two compatible trees for pollination  Carero della fruit, requires planting at least two compatible trees for pollination  Silve Full sun/part shade  Very fragrant while-pink flowers in summer, drought shade by the sammer pring the sammer pr				fruit good play props, attracts wildlife, tolerates							×	×
Carya illinensis   Pecan     edible riuti, pisy props   Moderate   Full sun/part shade   x   5-9   100'   75'   x   x   Carbon multiple shade   Full sun/part shade   x   5-9   100'   75'   x   x   Carbon multiple shade   Full sun multiple shade   Ful	Morella cerifera	Southern waxmyrtle		drought, sand, & salt	Rapid	Full sun/part shade	Х	7b-11	15'	10'		Н
Dosgyros kaki Asian persimmon Fuyu', 'Jiro', 'Hanagosho' necessary for fruit necessary for fruit repress in fall, both make and female necessary for fruit necessary f	Tree Edibles											
Disspyros kabl   Asian persimmon   Fuyu', 'Jiro', 'Hanagosho'   encessary for fruit   evergreen tree, edible fruit ripens in winter or spring, wildlife attraction, grafted selections meter and spring, wildlife attraction, grafted selections meter a spring, wildlife attraction, grafted selections meter and produce fruit   Moderate   Full sun/part shade   8-10   25   10   15   15   15   15   15   15   1	Carya illinoensis	Pecan		edible nuts, play props	Moderate	Full sun/part shade	х	5-9	100'	75'	×	х
evergreen tree, edible fruit ripens in winter or spring, wildlife attachor, grafted selections most reliably produce fruit summer, child-scale edible fruit in take summer, child-scale edible fruit, requires planting another variety may be to edible fruit requires planting another variety may be to edible fruit requires planting another variety may be to edible fruit requires planting at least two compatible trees for pollination edible fruit requires planting at least two compatible trees for pollination edible fruit requires planting at least two compatible trees for pollination edible fruit, requires planting at least two compatible trees for pollination edible fruit, requires planting at least two compatible trees for pollination edible fruit, requires planting at least two compatible trees for pollination edible fruit, requires planting at least two compatible trees for pollination edible fruit, requires planting at least two compatible trees for pollination edible fruit, requires planting at least two compatible trees for pollination edible fruit, requires planting at least two compatible trees for pollination edible fruit, requires planting at least two compatible trees for pollination edible fruit, requires planting at least two compatible trees for pollination edible fruit, requires planting at least two compatible trees for pollination edible fruit, requires planting at least two compatible trees for pollination edible fruit, requires planting at least two compatible trees for pollination edible fruit, requires planting at least two compatible trees for pollination edible fruit, requires planting at least two compatible trees for pollination edible fruit, requires planting at least two compatible trees for pollination edible fruit, requires planting at least tw	Diospyros kaki	Asian persimmon	'Fuyu', 'Jiro', 'Hanagosho'		Slow / moderate	Full sun		4-8	40'	25'		x
Eriobty ja japonica   Loquat   most reliably produce fruit   Moderate   Full sun/part shade   8-10   25'   10'   edible fruit in tale summer, child-scale   full sun   Moderate   Full sun   Full su	,,	·	,									
Malus spp. Apple tree 'Gala', 'Ginger Gold', 'Empire', 'Stayman' that bilooms at the same time for pollination that brown at the same time for pollination that the provision at the same time for pollination that the provision at the same time for pollination that the provision at the same time for pollination that the provision at the same time for pollination that the provision at the same time for pollination that the provision at the same time for pollination that the provision at the same time for pollination that the provision at the same time for pollination that the provision at the same time for pollination that the provision at the same time for pollination that the provision at the same time for pollination that the provision at the same time for pollination that the provision at the same time for pollination that the provision at the same time for pollination that the provision at the same time for pollination that the provision at the same time for pollination that the provision at the same time for pollination that the provision at the same time for pollination and the provision at the same time for pollination and the provision at the same time for pollination and the provision at the same time for pollination and the provision at the same time for pollination and the provision at the same time for pollination and the provision at the same time for pollination and the provision at the same time for pollination and the provision at the same time for pollination and the provision at the same time for pollination and the provision at the same time for pollination and the provision and the pro	Eriobotrya japonica	Loquat			Moderate	Full sun/part shade		8-10	25'	10'		x
Malus spp. Apple free 'Gala', 'Ginger Gold', 'Empire', 'Stayman' that blooms at the same time for pollination   4.9 25 25   25				edible fruit in late summer, child-scale	Moderate			8-10	15'	15'		х
Activity of the part of the	-											
Pyrus communis European pear tree 'Kieffer', 'Moonglow' compatible trees for pollination (compatible trees for pollination compatible trees for pollination (compatible trees for pol		- ' '	'Gala', 'Ginger Gold', 'Empire', 'Stayman'								$\perp \perp$	
European pear tree 'Kieffer', 'Moonglow' compatible frees for pollination edible fruit, requires planting at least two compatible frees for pollination 5-9 20' 20' 20' 20' 20' 20' 20' 20' 20' 20'	Morus rubra	Red mulberry			Rapid	Full sun/part shade	Х	5-9	70'	50'		х
Pyrus pyrifolia Asian pear tree 'Chojuro', '20th Century' compatible trees for pollination 5-9 20' 20' 20' 20' 20' 20' 20' 20' 20' 20'	Pyrus communis	European pear tree	'Kieffer', 'Moonglow'	compatible trees for pollination				5-9	20'	20'		
Shrub Deciduous Large (Height: 10'+)  Hamametis virginiana  Common witchhazel  Smooth sumac  Laciniata'  Chaenomeles speciosa  Common flowering quince  Clethra alnifolia  Sweet pepperbush  Ruby Spice'  Shrub Deciduous Medium  Full sun/part shade  4-8  10'  10'  10'  10'  10'  10'  10'  10	Pyrus pyrifolia	Asian pear tree	'Chojuro', '20th Century'					5-9	20'	20'		
Play props, yellow flowers in early winter, fall color   Slow   Full sun/part shade   x   4-8   25'   25'   25'					İ	i						
Hamamelis virginiana Common witchhazel color Slow Full sun/part shade x 4-8 25' 25' Rhus glabra Smooth sumac 'Laciniata' Rapid Full sun/part shade x 2-9 20' 15' Shrub Deciduous Medium (Height: 6-10')  Chaenomeles speciosa Common flowering quince 'Cameo' Medium Full sun/part shade 4-8 10' 10' 10' Clethra alnifolia Sweet pepperbush 'Ruby Spice' thrives in wet conditions partial shade, but ada x 4-8 8' 5' Forsythia x intermedia Forsythia Prosythia Rose-of-Sharon Spicebush Spicebush Spicebush Spicebush Spicebush Spicebush Spicebush Spice sping, spod fall color, attracts wildlife, shade tolerant but before glow flowers good fall color, attracts wildlife, shade tolerant but berres good flall color, attracts wildlife, shade tolerant but berres good flall color, attracts wildlife, shade tolerant flowers in spring, good fall	Shrub Deciduous Large (Height	: 10'+)										
Rhus glabra Smooth sumac 'Laciniata' Rapid Full sun/part shade x 2-9 20' 15'  Shrub Deciduous Medium (Height: 6-10')  Chaenomeles speciosa Common flowering quince 'Cameo' Medium Full sun/part shade 4-8 10' 10'  Clethra alnifolia Sweet pepperbush 'Ruby Spice' thrives in wet conditions bright yellow flowers cover the shrub before leaves emerge in spring Rapid Full sun/part shade 6-8 10' 12'  Hibiscus syriacus Rose-of-Sharon Spice spice of Spice Spi					Slow	Full sun/part shade	х	4-8	25'	25'		x
Shrub Deciduous Medium (Height: 6-10')  Chaenomeles speciosa  Common flowering quince  'Cameo'  Very fragrant white-pink flowers in summer, thrives in wet conditions  partial shade, but ada x 4-8 8' 5'  Forsythia x intermedia  Full sun/part shade  Forsythia x intermedia  Full sun/part shade  Forsythia x intermedia  Full sun/part shade  Forsythia x intermedia  Full sun/full shade  X 5-9 10' 10'  Torrich intermedia  Forsythia x intermed			'Laciniata'								$\vdash$	x
Chaenomeles speciosa  Common flowering quince  'Cameo'  Very fragrant white-pink flowers in summer, thrives in wet conditions  Forsythia x intermedia  Forsythia  Rose-of-Sharon  Forsythia  Lindera benzoin  Chaenomeles speciosa  Common flowering quince  'Cameo'  Nedium  Full sun/part shade  4-8  10'  10'  10'  10'  10'  10'  10'  10	<u> </u>											$\Box$
Very fragrant white-pink flowers in summer, thrives in wet conditions partial shade, but ada x 4-8 8' 5'  Forsythia x intermedia Forsythia Forsythia Forsythia Rose-of-Sharon Forsythia Spice to the shrub before leaves emerge in spring Rapid Full sun/part shade 6-8 10' 12'  Hibiscus syriacus Rose-of-Sharon Spice some varieties, good fall color, attracts wildlife, shade tolerant full sun/full shade x 5-9 10' 10'  Lindera benzoin Spicebush full sun/full shade x 5-9 10' 10' 10'  Lindera props, cream colored flowers in syring, good fall foliage color, wildlife	Shrub Deciduous Medium (Heig	ht: 6-10')										П
Clethra alnifolia  Sweet pepperbush  'Ruby Spice'  thrives in wet conditions  bright yellow flowers cover the shrub before leaves emerge in spring  Rapid  Forsythia x intermedia  Rose-of-Sharon  Rose-of-Sharon  Slow  Full sun/part shade  5-9  10'  10'  Lindera benzoin  Spice scent on some varieties, good fall color, stream colored flowers in spring, good fall foliage color, wildlife  Spice scent on some varieties, good fall foliage color, wildlife	Chaenomeles speciosa	Common flowering quince	'Cameo'		Medium	Full sun/part shade		4-8	10'	10'	Ш	x
Forsythia x intermedia	Clethra alnifolia	Sweet pepperbush	'Ruby Spice'	thrives in wet conditions		partial shade, but ada	x	4-8	8'	5'		
large colorful flowers in summer, drought tolerant Slow Full sun/part shade 5-9 10' 10' Spicy scent on some varieties, good fall color, attracts wildlife, shade tolerant full sun/full shade x 5-9 10' 10' Spicy scent on some varieties, good fall flowers in spiring, good fall foliage color, wildlife					Rapid			6-8	10'	12'		
spicy scent on some varieties, good fall color, attracts wildlife, shade tolerant full sun/full shade x 5-9 10' 10' blue bernes good play props, cream colored flowers in spring, good fall foliage color, wildlife	•			large colorful flowers in summer, drought								
blue berries good play props, cream colored flowers in spring, good fall foliage color, wildlife	-			spicy scent on some varieties, good fall	0.04							Ĥ
	Lindera benzoin	Spicebush		blue berries good play props, cream colored		tull sun/full shade	х	5-9	10'	10'	+	$\forall$
	Viburnum dentatum	Arrowwood viburnum	'Synnestrvedt' Chicago Luster®/ 'Blue Muffin'	flowers in spring, good fall foliage color, wildlife attraction		sun/part shade	x	2-8	8'	15'		
				1	i e						1	

Church Deciderare Conell /!!-!-!-	4 5"\		Г	1	1 1				ı	
Shrub Deciduous Small (Height:	1-5)		semi-evergreen, lilac-pink flowers, attracts bees					-		++
Abelia x grandiflora 'Edward Goucher'	Edward Goucher glossy abelia		& other pollinators	Moderate	Full sun/part shade		6-9	5'	6'	
Callicarpa americana	American beautyberry	'Lactea'	play props, purple berries in fall	Moderate	Full sun/part shade	Х	6-10	4'	5'	l x
Callicarpa dichotoma	Purple beautyberry	'Early Amethyst'/ 'Issai'	play props, purple berries in fall	Moderate	Full sun/part shade		5-8	4'	5'	<del>    ^</del>
Fothergilla major	Witchalder	'Mount Airy'	white, fragrant flowers in early spring, good fall color, play props	modorato	partial shade	x	4-8	5'	5'	
Hypericum frondosum 'Sunburst'	Shrubby St. John's wort	'Sunburst'	drought tolerant, attracts butterflies and bees	Moderate	Full sun	^	4-8	3'	4'	×
rrypericum nondosum Sunburst	Stillubby St. Jolli's Wort	Sullburst	good fall color, white flowers in spring, wet	iviouerate	ruii suii		4-0		-	<del>    ^</del>
Itea virginica	Virginia sweet spire	'Henry's Garnet'	tolerant yellow flowers in late winter, willowy green	Medium	Full sun/part shade	х	5-9	5'	6'	x x
Jasminum nudiflorum	Winter jasmine		stems showy in winter	Fast	Full sun/part shade		6-10	4'	7'	
Spiraea x bumalda	Spiraea	'Anthony Waterer'/ 'Goldmound'	spring blooming	Moderate	Full sun/part shade		5-9	4'	5'	
Spiraea x bumaida	Spiraea	Anthony Waterer / Goldmound		Iwoderate	I uli suli/part silaue		3-3	-	1	
Shrub Evergreen Large (Height: 1	10'+\									+
Camellia japonica	Japanese camellia		flowers in spring	Slow/moderate	Partial shade		7-9	15'	10'	++-
			flowers in fall, tolerates drought				6-9			
Camellia sasanqua	Sasanqua camellia		llowers in fall, tolerates drought	Moderate	Light Shade		6-9	12'	6'	
Morella cerifera	Southern waxmyrtle		fruit good play props, can make wax from them, attracts wildlife, tolerates drought, sand, & salt	Rapid	Full sun/part shade	х	7b-11	15'	10'	
Shrub Evergreen Medium (Height	t: 6-10'\									+
Abelia chinensis	Chinese abelia	'Rose Creek'	1	Moderate-rapid	Full sun/part shade		7-9	7'	6'	+
Aucuba japonica	Japanese aucuba	'Picturata' (variegated)	+	Slow	Shade		7-9	15'	8'	+
		Picturata (variegateu)								
Juniperus chinensis 'Hetzii '	Hetz blue juniper		+	Rapid	Full sun		4-8	10'	15'	<del>                                     </del>
Juniperus communis	Common juniper		glossy leaves, white flowers, tolerates salt	Slow	Full sun	Х	2-8	10'	12'	x x
Raphiolepis umbellata	Indian hawthorn		spray	Rapid	Full sun		6-10	6'	10'	<sub>x</sub>
rtaphiolepis umbeliata	Indian nawmon			Irapiu	i uli suli		0-10	0	1 10	+ + ^
0	4.50									
Shrub Evergreen Small (Height: 1			and the desired state of the d							-
Gardenia jasminoides 'Kleim's Hardy'	Kleim's hardy gardenia		scented white flowers, glossy leaves	Moderate	Full sun/part shade		7-10	3'	3'	$\vdash$
Ilex vomitoria 'Nana'	Dwarf yaupon holly		compact, refined form, very tolerant of any soil type, tolerates salt	Moderate/Rapid	Sun/Partial Shade	x	7-10	5'	8'	x
	Outside Issuedan		drought tolerant, purple flowers in spring/ summer	M - d 4 -	E. II		0.0	3'	3'	l I
Lavandula stoechas	Spanish lavender		scented herb, used in cooking, vigorous,	Moderate	Full sun		6-9	3	3	X
Lavandula x intermedia 'Provence'	Provence lavender		tolerant of heat and humidity, purple flowers in summer, gray-green foliage	Slow	Full sun		5-11	3'	3'	
Lavandala x Intermedia i revence	i revende lavender		scented herb, used in cooking, very hardy,	CIOW	i dii san		0 11	_ <u> </u>	<del>                                     </del>	
Rosmarinus officinalis	Rosemary		drought tolerant, small lavender flowers in winter/early spring	Moderate	Full sun/part shade		4-9	4'	4'	
Shrub Edibles										
			edible fruit produced on certain selections, showy summer flowers, good fall color, heat							
Punica granatum	Pomegranate	'Compactum'	tolerant	Medium	Full sun		8-10	20'	20'	
Funca granatum	Fornegranate	Compactum	edible fruit, needs full sun for best fruit, clusters		ruii suii		6-10	20	20	
			of bell-shaped flowers in spring, choose							
Vaccinium species	Blueberry	'Premiere', 'Tifblue', 'Powderblue', 'Southland'	species appropriate to your area		Full sun	x	3-8	6'	5'	
	i i		i	i				1	İ	
Vine Deciduous	<u> </u>		1							
Lonicera periclymenum	European honeysuckle		fragrant flowers in summer/fall	Rapid	Full sun/part shade		5-9	20'	n/a	++
	<del>  ' '                                 </del>		vigorous, red fall foliage, shade tolerant	Rapid	Full sun/part shade		3-11	30'	n/a	x x
Parthenocissus quinquefolia	Virginia creeper		mgs. sas, rea lan lonage, shade tolerant	Indhia	ruii suii/paπ snade	Х	J-11	30"	n/a	X X
Vina Francisco									-	+
Vine Evergreen	1		hurgundy/purplish flowers in opring also areas		-			-		$\perp$
			burgundy/purplish flowers in spring, play props, edible fruit occasionally produced, vigorous,							
	Chocolate vine		shade tolerant	Rapid	Full sun/part shade		5-8	40'	n/a	
Akebia guinata			shade tolerant, orange to dark reddish flowers		ou part oridae			T-	.,,,	++
Akebia quinata				la	Full sun/part shade	x	6-9	50'	n/a	x
Akebia quinata  Bignonia capreolata	Cross vine	'Tangerine Beauty'	in spring, quick growing	Rapid	i dii sari/part sriade					
•	Cross vine Armand clematis	'Tangerine Beauty'		Rapid	Full sun/part shade		7b-9	20'	n/a	
Bignonia capreolata		'Tangerine Beauty'	in spring, quick growing white flowers in spring, textural leaves							
Bignonia capreolata Clematis armandii	Armand clematis		in spring, quick growing white flowers in spring, textural leaves shade tolerant, coral flowers in late-spring to	Rapid	Full sun/part shade		7b-9	20'	n/a	
Bignonia capreolata		'Tangerine Beauty' 'Cedar Lane'	in spring, quick growing white flowers in spring, textural leaves	Rapid		x				
Bignonia capreolata Clematis armandii	Armand clematis		in spring, quick growing white flowers in spring, textural leaves shade tolerant, coral flowers in late-spring to summer, semi-evergreen depending on climate	Rapid	Full sun/part shade		7b-9	20'	n/a	
Bignonia capreolata Clematis armandii	Armand clematis		in spring, quick growing white flowers in spring, textural leaves shade tolerant, coral flowers in late-spring to	Rapid	Full sun/part shade		7b-9	20'	n/a	
Bignonia capreolata Clematis armandii	Armand clematis		in spring, quick growing white flowers in spring, textural leaves shade tolerant, coral flowers in late-spring to summer, semi-evergreen depending on climate vigorous, few to almost no prickles, clusters of	Rapid	Full sun/part shade		7b-9	20'	n/a	
Bignonia capreolata Clematis armandii Lonicera sempervirens	Armand clematis  Coral honeysuckle		in spring, quick growing white flowers in spring, textural leaves shade tolerant, coral flowers in late-spring to summer, semi-evergreen depending on climate vigorous, few to almost no prickles, clusters of yellow - white blooms in spring, some scented	Rapid Medium	Full sun/part shade Full sun		7b-9 4-10	3'	n/a n/a	

		T	I				1		1		_
Trachelospermum jasminoides	Confederate jasmine (star)		white flowers in spring-early summer, wildlife attraction	Rapid	Full sun/part shade		8-10	15'	n/a		
Tractierospermum jasminoides	Confederate jasmine (star)			I Napiu	ruii suii/part siiaue		0-10 I	1 15	I IVa	+	1^
Vine Edibles										+	-
Ville Luibles			deciduous vine, edible fruit in late fall, borne on							+	+
			year-old or older wood, larger white flowers,								
Actinidia arguta	Hardy kiwi	'Issai', 'Anna', 'Meader'	need male & female plants for fruit	Rapid	Full sun/part shade		8-9	30'	n/a		х
			deciduous, hardy vine, spreads from seed,								
			unique showy flowers bloom in summer. play		L				l ,		
Passiflora incarnata	Passion flower		props, edible fruit deciduous vine, edible fruit - grapes, bears	Rapid	Full sun	Х	5-9	20'	n/a	+	X
			large fruit in small clusters. Some self-fertile,								
			some need both male & female plants to								
Vitis rotundifolia	Muscadine grape	'Triumph'	produce fruit	Rapid	Full sun	x	5-9	100'	n/a		х
Perennials											
			yellow flowers all summer, dead heads add								
Achillea x 'Coronation Gold'	Yarrow	'Coronation Gold'	winter interest		Full sun	х	3-9	2'	3'		х
Agastache 'Blue Fortune'	Hummingbird mint	'Blue Fortune'	licorice-scented foliage, flowers attract butterflies		Full sun		5-9	4'	3'		
Allium schoenoprasum	Chives	Bide Fortune	purple flowers, leaves used in cooking	Rapid	Full sun	х	5-9 4-8	2'	2'	+	X
Buddleja davidii	Butterfly bush	'Blue Chip'/ 'Purple Haze'/ 'Miss Ruby'	Blooms all summer and attracts butterflies	карій	Full sun	X	5-9		2	+	×
Buddieja davidii	Butterny busin	Blue Chip? Fulple Haze? Wiss Ruby	sunny yellow blooms in summer, sun loving,		ruii suii		5-9			+	+
Coreopsis verticillata	Threadleaf coreopsis		drought tolerant		Full sun	х	5-9	3'	2'		l <sub>x</sub>
			big purple flowers in summer, can handle sun-								
Echinacea purpurea	Purple coneflower		light shade		Full sun	x	3-8	4'	2'		х
			large daisylike red/yellow/orange flowers,								
Gaillardia x grandiflora	Blanket flower	'Oranges and Lemons'/ 'Arizona Sun'	blooms from early summer to frost, self-seeds		Full sun		2-10	3'	2'	++	
Heuchera micrantha	Coral bells		great color plant for shade, semi-evergreen clumps of broad grassy leaves, with lily-like		Shade- part sun		5-8	1'	1'	+	Х
Hemerocallis spp.	Daylily	'Happy Returns'/ 'Buttered Popcorn'/ Stella d'Oro'	flowers in late spring		Full sun - part shade		3-9	3'	2'		
Hibiscus moscheutos	Rose Mallow	'Lord Baltimore'	large bloms all summer		Full sun		5-9	4'	3'	l x	×
This code modernouses	Tiese maner	2014 Ballinoro	lots of varieties to choose from, grown mostly		i un oun			· ·	+ Ť	+^+	_ ^
			for leaf color & patterns, also blooms with blue-								
Hosta spp.	Hosta		purple flowers in summer		Part-full shade		3-8	3'	3'		х
	L		large and around blooms make arout play around								
Kniphofia uvaria	Red-hot poker	'Pfitzer's Hybrids'	large red-orange blooms make great play props early summer red blooms, attracts butterflies &		Full sun		5-8	3'	3'	+	X
Monarda didyma	Beebalm	'Jacob Cline'	bees, leaves are scented		Part sun	x	3-8	3'	2'	,	_
Osmunda regalis	Royal fern	Oddob Cilifo	broad triangular fronds, wet tolerant		Part shade	^	3-8	4'	4'	ı x	x
Perovskia atriplicifolia	Russian Sage		attracts wildlife, drought tolerant		Full sun		5-8	3'	3'	<del>  ^   ,</del>	( x
Polystichum acrostichoides	Christmas fern		small evergreen fern, likes moist soil		Part-full shade	×	3-8	2'	2'	x	x
,			yellow flowers in summer, drought tolerant,							+	+
Rudbeckia fulgida	Black-eyed susan, Orange coneflower	'Goldsturm'	clump-forming		Full sun- light shade	x	4-10	2.5'	2.5'		х
			red and white flowers, drought tolerant, attracts								
Salvia microphylla 'Hot Lips'	Hot lips sage	'Hot Lips'	butterflies		Full sun		7-9	2'	4'	+	Х
Sedum spp.	Stonecrop, Sedum	'Autumn Joy'	textural leaves, flower head good play prop, sun loving, drought tolerant		Full sun		3-8	18"	24"	,	,   ,
осиин эрр.	StoneGrop, Sedum	Autumn Joy	soft fuzzy leaves, textural & play props, drought		i uii suii		3-0	10	24	++'	+^
Stachys byzantina	Lamb's ears		tolerant		Full sun		4-8	12"	24"		x
			white/blue/purple flowers in spring-summer,							T	Ť
Tradescantia virginiana	Spiderwort		clump-forming and grass-like, wet tolerant		Part-full shade	Х	5-8	3'	3'		х
Verbena bonariensis	Purple-top verbena, Verbena on a stick		purple flowers all summer, attracts butterflies		Full sun						
Grasses											
										1  T	
Calamagrostis × acutiflora	Feather reed grass	'Karl Foerster'	play props	Rapid	Full sun/part shade		4-9	4'	2'	x 2	( x
			soft, leafy grass with attractive seed heads, can								
Chasmanthium latifolium	Inland sea oats		spread by seed so plant accordingly		Part shade	Х	5-8	5'	3'	$\perp$	х
Juncus effusus 'Spiralis'	Corkscrew rush		rush with spiralling foliage, good play props	Moderate	Full sun/part shade		4-9	2'	1-2'	X	

			clump-forming, graceful and textural, foliage								T
			turns reddish in fall, with silver plumes, good								
Miscanthus sinensis	Flame grass	'Adagio'	hiding places	Moderate	Full sun/part shade		3-9	5'	3-5'	x	х
			delicate pink hazy flowers in early fall, easy to								
			grow, tolerates some drought & some wet								
Muhlenbergia capillaris	Pink muhly grass		conditions	Moderate	Full sun/part shade	X	6-9	3'	2.5'	x x	х
Nassella tenuissima	Mexican feather grass			Moderate	Full sun/part shade	x	6-9	2'	1'	x	х
			upright clumping, textural, drought tolerant, salt								
Panicum virgatum	Switch grass	'Shenandoah'/ 'Cheyenne Sky'/ "The Blues'/ 'North		Rapid	Full sun/part shade	х	5-9	6'	3'		Х
Pennisetum alopecuroides	Fountaingrass		clump forming, play props, textural	Moderate	Full sun		5-9	3'	2-4'		х
			clump-forming, soft, textural grass, red-tinged								П
			blades, play props, perennial at the coast,								'
Pennisetum setaceum	Crimson fountaingrass		annual elsewhere	Rapid	Full sun/part shade		9-10	5'	4'		Х
Schizachyrium scoparium	Little bluestem	'Prairie Blues'	blooms in late summer, drought tolerant		Full sun	x	3-9				
Groundcover											
			evergreen matting groundcover with blue								П
			flowers in spring, spreads quickly and handles								
Ajuga reptans	Ajuga		some drought		Partial shade		4-8	6"	3'		х
			evergreen, tends to spread, white flowers in								
Iberis sempervirens	Candytuft		spring	Moderate	Full sun		3-8	2'	1.5'		х
			evergreen, forms large clumps, purple flowers,								
Liriope muscari	Liriope	'Big Blue'/ 'Variegata'/ 'Royal Purple'	play props	Moderate	Part shade to shade		6-9	2'	12"		х
			evergreen, forms tight clumps, slow-growing,								П
Ophiopogon japonicus 'Nana'	Dwarf mondo		textural	Slow	Sun to shade		7-8	3"	2'		х
			evergreen, small white flowers, spreads over								$\Box$
Rubus calcycinoides	Creeping raspberry		time	Moderate	Sun to part shade		6-10	1'	6'	x	Х
			low groundcover, pale lavender flowers in early								
Salvia lyrata	Lyreleaf sage		spring, easy to grow		Sun to shade	х	6-8	12"	1.5'		Х
Stachys byzantina	Lamb's ears						4-8	8"	1.5'		
·			lemon-scented herb, pale purple summer								
Thymus pulegioides	Lemon thyme		flowers, wildlife attraction	Full sun	Full sun		5-8	12"	10"		Х
			scented herb, tiny lilac flowers in late								
l			spring/summer, gray-green leaves, drought tolerant, wildlife attraction	L	_						
Thymus vulgaris	Common thyme		iolerani, wildille attraction	Moderate	Full sun		5-9	12"	1.5'		X

## Natural Learning Initiative $\mid$ College of Design $\mid$ North Carolina State University

Creating environments for healthy human development and a healthy biosphere for generations to come. The purpose of the Natural Learning Initiative is to promote the importance of the natural environment in the daily experience of all children, through environmental design, action research, education, and dissemination of information.

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