

SELECTED NATIVE PLANTS FOR BIRDS and POLLINATORS IN THE PIEDMONT AREA OF NORTH CAROLINA

6/22/2024

Common name	Scientific name	Height	Width	Sun/ Shade	Soil moisture	Flower & fruit dates	Drought tolerant	Tend to be deer resistant	Benefit to Wildlife	# of butterfly and moth caterpillars supported by genus	# of pollen specialist bees supported by genus (top twelve)	NC Wild Flower of the Year	Special Notes
<b>Trees</b>													
Maples	<i>Acer spp.</i>												
Red	<i>A. rubrum</i>	40-75'	20-50'	s-ps	w,m	Jan-Mar; Apr-Jul	x	x	NE,SE, LH	238			
Southern sugar	<i>A.floridanum</i>	40-60'	40-60'	s-ps	m	Apr-May; Jun-Oct							
Northern sugar	<i>A. saccharum</i>	60-80	25-60'	s-ps	m	Apr-Jun; Jun-Sep							Northern is drought sensitive
Chalk	<i>A. leucoderme (native)</i>	20-30'	15-25'	s-ps	m, d	Mar-Apr; Apr-Sep	x						
Pawpaws	<i>Asimina spp.</i>								BE, LH	12			
Common	<i>A. triloba,</i>	8-35'	6-10'	ps-sh	m	Mar-May; Aug-Oct		x					Need more than one genetic strain for best fruit set.
Dwarf	<i>A. parviflora</i>	3-12'	2-6'	s-ps	m,d	Apr-May; Jul-Sep		x					Species is drought sensitive.
River birch	<i>Betula nigra</i>	40-80'	15-25'	s-ps	w, m	Mar-Apr; May-Jun	x	x	LH, SE	284			
Ironwood, American hornbeam	<i>Carpinus caroliniana</i>	15-35'	12-18'	s-sh	w, m	Mar-Apr; Sep-Oct			SE, LH	71			Drought sensitive
Hickories	<i>Carya spp.</i>	60-100'		s-ps	w, m, d	Apr-May; Oct			SE, LH	213			Size, growing conditions vary by species
Hackberries	<i>Celtis spp.</i>								NE,BE,LH	47			
Southern	<i>C. laevigata</i>	60-80'	40-60'	s-ps	m,d	Apr-May; Aug-Oct		x					Best for natural areas. Tolerates seasonal flooding
Dwarf	<i>C. tenuifolia</i>	12-25'	8-15'	s-ps	w, m, d	Apr-May; Aug-Oct		x					
Eastern redbud	<i>Cercis canadensis</i>	10-25'	10-20'	s-ps	m, d	Mar-May; Jun-Nov	x	x	NE, SE, LH	25			
Fringe tree	<i>Chionanthus virginicus</i>	10-30'	10-20'	s-ps	m,d	Apr-May; Jul-Sep			BE, LH	12			Needs male pollinator
native Dogwoods	<i>Cornus spp.</i>								NE, BE, LH	98	4		
Flowering	<i>C. florida</i>	12-20'	8-15'	ps	m	Mar-May; Aug-Oct							
Silky	<i>C. amomum</i>	3-10'	3-6'	s-ps	w, m	May-Jun; Aug-Sep	x						
Hawthorns	<i>Crataegus spp.</i>	20-35'	20-35'	s	m, d	Mar-Apr; Sep-Nov	x	x	NE, BE, LH	131			Washington Hawthorn is drought tolerant
American persimmon, Common persimmon	<i>Diospyros virginiana</i>	30' to 70'	15' to 25'	s	m, d	May-Jun; Sep-Dec	x		NE, BE, LH	55			Diocious: male pollinator plant needed for female fruit set.
American beech	<i>Fagus grandifolia</i>	50-70'	25-50'	s	m,d	Mar-May; Sep-Oct			SE, LH	116			Drought sensitive
American holly (e)	<i>Ilex opaca</i>	to 70'	8-15'+	s-ps	m	Apr-Jun; Sep-Feb			BE, NE, LH	44			Needs male pollinator
Eastern red cedar (e)	<i>Juniperus virginiana</i>	15-35'	3-12'	s-ps	w, m, d	Jan-Mar; Sep-Feb	x	x	BE, LH	29			needs male pollinator
Sweetgum	<i>Liquidambar styraciflua</i>	60-100'+	30-70'	s-ps	m, d	Apr-May; Aug-Sep		x	NE, SE, LH	37			Fruits messy.
Tulip tree, Yellow poplar	<i>Liriodendron tulipifera</i>	70-130'	30-60'	s-ps	m, d	Apr-Jun; Sep-Oct			SE, NE, LH	18			Drought sensitive.
Sweetbay Magnolia (e)	<i>Magnolia virginiana</i>	20-60'	8-20'	s-ps	w, m	Apr-Jul; Jul-Oct		x	BE, LH	24			evergreen varieties
Flowering crabapple	<i>Malus angustifolia</i>	10-20'	8-15'	s-ps	m	Apr-May; Aug-Sep			BE, LH	237			
Black gum	<i>Nyssa sylvatica</i>	30-100'	20-35'	s-ps	w, m, d	Apr-Jun; Aug-Oct	x	x	NE, BE, LH	37			
American hop-hornbeam	<i>Ostrya virginiana</i>	20-35'+	10-18'	s-sh	m	Apr-May; Aug-Oct			SE, LH	82			
Sourwood	<i>Oxydendrum arboreum</i>	15-60'	6-12'	s-ps	m, d	Jun-Jul; Sep-Oct			NE, LH	14			Source of Sourwood honey.
American Sycamore	<i>Platanus occidentalis</i>	70-100'+	40-60'+	ps-s	w, m	Apr-May ; Sep-Nov	x	x	NE, SE, LH	42			Fast-growing.
Pines	<i>Pinus spp.</i>								SE, LH	200			
Shortleaf (e)	<i>P. echinata</i>	50-100'	25-30'	s	m, d	Mar-Apr; Sep-Oct		x					
Virginia (e)	<i>P. virginiana</i>	40-70'	20-35'	s	m, d	Mar-May; Sep-Nov	x	x					Virginia is drought tolerant

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Longleaf (e)	<i>P. palustris</i>	40-70'+	25-40'	s	m, d	Mar-Apr; Sep-Oct		x					
Black cherry	<i>Prunus serotina</i>	50-90'	20-30'	s-ps	m, d	Apr-May; Jul-Sep	x	x	BE, NE, LH	340			
native Plums	<i>Prunus spp.</i>								LH, BE, NE	340			Fruit edible.
Wild Chickasaw	<i>P. americana</i> <i>P. angustifolia</i>	25-30' to 16'	25-30' to 10'	s-ps s-ps	m, d m, d	Mar-Apr; Jun-Aug Mar-Apr; Mar-July	x						
Carolina cherry-laurel (e)	<i>Prunus caroliniana</i>	20-40'+	12-25'	s-ps	m, d	Mar-Apr; Sep-Oct+		x	BE, LH, NE	340			Seeds freely.
Oaks	<i>Quercus spp.</i>								LH,SE	436			
White Willow	<i>Q. alba</i> <i>Q. phellos</i>	50-100' 60-100'	30-40'+ 30-60'	s-ps s-ps	m, d m	Apr; Sep-Nov Apr; Sep-Nov							
Red Overcup	<i>Q. rubra</i> <i>Q. lyrata</i>	60-80'+ 60-80'+	30-45'+ 30-45'+	s-ps s-ps	m w, m	Apr; Sep-Nov Apr; Sep-Nov							
Scarlet Shumard	<i>Q. coccinea</i> <i>Q. shumardii</i>	50-80' 80-90'	50-80' 30-60'	s-ps s-ps	m, d m, d	Apr; Sep-Nov Apr; Sep-Nov	x						
Black willow	<i>Salix nigra</i>	80-100'	25-40'	s	w	Mar-Apr	x	x	LH	289	14		14
Sassafras	<i>Sassafras albidum</i>	30-60'	12-25'	s-ps	m-d	Mar-Apr; Jun-Jul	x	x	BE, LH	32			needs male pollinator
Elms	<i>Ulmus spp.</i>				m, d				SE, LH	164			All species may be susceptible to Dutch Elm disease
American Winged	<i>U. americana</i> <i>U. alata</i>	60-100' 30-50'		s-ps s-ps	m, d m, d	Feb-Mar; Mar-Apr Feb-Mar; Mar-Apr	x						
<b>Shrubs</b>													
Buckeyes	<i>Aesculus spp.</i>								LH,NE,SE	38			
Red Painted	<i>A. pavia</i> <i>A. sylvatica</i>	12-15' 5-20'	12-15' 4-10'	s-psh s-ps	w, m m	Apr-May; Jul-Aug Apr-May; Jul-Aug		x x					
Tag alder	<i>Alnus serrulata</i>	8-15'	6-15'	s-ps	w, m	Jan-Mar; Aug-Oct	x		SE, LH	173			Colonial.
Serviceberries	<i>Amelanchier spp.</i>								BE, NE, LH	92			Fruits can be damaged by rust fungus.
Eastern Downy	<i>A. canadensis</i> <i>A. arborea</i>	10-20' 20-40'	5-10' 8-15'	s-ps s-ps	m m, d	Mar-Apr; May-Jun Mar-May; May-Aug		x x					
Red chokeberry	<i>Aronia arbutifolia</i>	5-10'	4-8'	s-ps	w, m	Mar-May; Sep-Nov			BE, NE, LH	3			Colonial.
American beautyberry	<i>Callicarpa americana</i>	3-8'	3-6'	ps-sh	m	Jun-Jul; Aug-Oct		x	BE, NE, LH	2		2021	
Carolina allspice, Sweetshrub	<i>Calycanthus floridus</i>	4-10'	4-12'	s-sh	m,d	Apr-May; Aug-Sep	x	x	NE, SE, LH	3			
New Jersey tea	<i>Ceanothus americanus</i>	2-3'	2-3'	s-ps	m, d	May-Jun; Jun-Jul	x		LH, NE	37		2013	
Buttonbush	<i>Cephalanthus occidentalis</i>	5-8'	3-6'	s-sh	w, m	Jun-Jul; Aug-Sep	x	x	SE, NE, LH	24		2023	
Sweet pepperbush	<i>Clethra alnifolia</i>	3-8'	4-6'	s-psh	w, m	Jun-Aug; Sep-Oct		x	NE, SE	1			
Strawberry-bush, Hearts-a-burstin'	<i>Euonymus americanus</i>	3-8'	3-5'	s-ps	m	May-Jun; Sep-Oct			BE	1			
Common or American witchhazel	<i>Hamamelis virginiana</i>	15' - 20'	12' - 15'	s-psh	m	Oct-Dec; Oct-Nov		x	SE,LH	68			tolerates seasonal flooding
Oakleaf hydrangea	<i>Hydrangea quercifolia</i>	4-8"	4-10"	s-psh	m	May-Aug; Sep-Nov	x		BE, NE, LH	2			
native Hollies	<i>Ilex spp.</i>								BE, NE, LH	44			Need male pollinators.
Winterberry Inkberry (e)	<i>I. verticillata</i> <i>I. glabra</i>	6-15' 6-8'	6-10' 3-6'	s-ps s-ps	w w	Apr-Jun; Sep-Nov May-Jun; Sep-Oct		x					Inkberry is drought sensitive
Deciduous Yaupon (e)	<i>I. decidua</i> <i>I. vomitoria</i>	15-30' 12-20'	8-15' 6-12'	s-ps s-ps	w,m w, m, d	Mar-May; Sep-Oct Mar-May; Sep-Jan	x x	x x					Yaupon dwarf forms available
Virginia sweetspire	<i>Itea virginica</i>	3-6'		s - sh	w, m	May-Jun			NE,SE,LH	1			

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Mountain laurel (e)	<i>Kalmia latifolia</i>	4-15'	4-8'	s-ps	m, d	Apr-Jul; Sep-Oct		x	SE, NE, LH	23			
Spicebush	<i>Lindera benzoin</i>	8-15'	6-15'	ps	w, m	Mar-Apr; Aug-Sep		x	BE, LH	11			Needs male pollinator
Wax myrtle (e)	<i>Myrica (Morella) cerifera</i>	8-30'	10-25'	s-ps	w, m, d	Apr; Aug-Oct		x	BE, LH	2			Needs male pollinator
Ninebark	<i>Physocarpus opulifolius</i>	6-12'		s-ps	m, d	May-Jul; Sep-Oct	x		NE, LH	29			
native Azaleas	<i>Rhododendron</i> spp. (native)								NE, LH	53			
Sweet azalea	<i>R. arborescens</i>	5-10'	4-8'	s-ps	m	Mar-Jun; Sep-Oct							Sweet is drought sensitive.
Flame azalea	<i>R. calendulaceum</i>	3-8'	5-8'	s-ps	m	May-Jun; Jun-Sep							Flame is drought sensitive.
Swamp azalea	<i>R. viscosum</i>	8-15'	3-5'	s-ps	w	Jun-Jul; Jul-Oct							
Pinxterflower	<i>R. periclymenoides</i>	4-8-35	3-4'	s-ps	m	Mar-May; Sep-Oct							
Sumacs	<i>Rhus</i> spp.								BE, NE, LH	53			
Smooth	<i>R. glabra</i>	to 20'	12-20'	s-psh	m, d	May-Jul; Jun-Oct	x						Colonial, best for natural areas, need male pollinator
Shining	<i>R. copallinum</i>	5-15'	6-12'	s-psh	m, d	May-Jul; Jun-Oct	x						
native Roses	<i>Rosa</i> spp.								BE, NE, LH	102			
Carolina or Pasture rose	<i>R. carolina</i>	2-3'	3-4'	s-ps	m, d	May-Jun; Aug-Oct	x						Have sharp thorns; make a good wildlife thicket.
Swamp Rose	<i>R. palustris</i>	3-5'	3-6'	s	w, m	May-Jul; Sep-Oct+							
Elderberry	<i>Sambucus canadensis</i>	6-12'	6-12'	s-ps	w, m	Apr-Jul; Jul-Aug	x		BE, NE, LH	29			Needs more than one genetic strain for fruit set.
native Blueberries	<i>Vaccinium</i> spp.								BE, NE, LH	217	14		More than one genetic strain needed for fruit set.
Sparkleberry	<i>V. arboreum</i>	8-15'	4-10'	s-ps	m, d	Apr-Jun; Sep-Oct	x						
Smooth highbush	<i>V. corymbosum</i>	3-12'	3-10'	s-ps	w, m	Apr-May; Jul-Aug							Edible fruit.
Deerberry	<i>V. stamineum</i>	3-4'	2-3'	ps	m, d	Apr-Jun; Aug-Oct	x						
Rabbit-eye	<i>V. virgatum</i>	to 8'	6-8'	s-ps	w, m	Mar-Apr; May-Jun							Edible fruit
Viburnums	<i>Viburnum</i> spp.								BE, NE, LH	99			
Blackhaw	<i>V. prunifolium</i>	8-18'	6-15'	s-sh	m, d	Mar-Apr; Sep-Oct	x						Need more than one genetic strain for fruit set.
Southern arrowwood	<i>V. dentatum</i>	6-12'	4-10'	s-ps	m, d	Mar-Apr; Jul-Sep	x						
Maple-leaf viburnum	<i>V. acerifolium</i>	3-6'	3-6'	ps-sh	m, d	May; Aug-Oct		x					
Possumhaw	<i>V. nudum</i>	6-12'	4-15'	s-ps	w, m	Apr-May; Aug-Oct	x						
Downy arrowwood	<i>V. rafinesqueanum</i>	3-5'	3'	ps-sh	m	Apr-May; Jun-Jul	x						
<b>Perennial Flowers</b>													
Eastern bluestar	<i>Amsonia tabernaemontana</i>	3'	to 3'	s-ps	w, m	Apr; Aug-Sep		x	NE, LH	1		2006	
Wild columbine	<i>Aquilegia canadensis</i>	1-3'	8-12"	ps	m	Mar-May; Apr-Aug		x	NE, SE, LH	10		1987	Self-sows readily
Milkweeds	<i>Asclepias</i> spp. (native)								NE, LH	13			
Eastern swamp milkweed	<i>Asclepias incarnata</i>	2-4'	to 2'	s-ps	w, m	Jul-Sep; Aug-Oct		x				2005 1985	
Butterfly-weed	<i>Asclepias tuberosa</i>	1-3'	to 2'	s-ps	m, d	May-Aug; Aug-Sep	x	x					
Wild indigos	<i>Baptisia</i> spp.	2-3'	2'	s-psh	m, d	May-Jul; Jun-Oct			NE, LH	20		1992 2011 2022	Blue wild indigo, <i>B. australis</i> in 1992
Downy woodmint	<i>Blephilia ciliata</i>	1-2.5'	1-1.5'	s-psh	m, d	Apr-Aug; Aug-Oct	x	x	NE				
Green and gold	<i>Chrysogonum virginianum</i>	6-12"	12-18"	ps-sh	m-d	Mar-Jun; Apr-Jul		x					

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Maryland golden-aster	<i>Chrysopsis mariana</i>	1-2'	1-2'	s-ps	m	Aug-Oct	x	x	NE, LH	5	20	2018	self-seeds; short-lived
Blue mistflower, Wild ageratum	<i>Conoclinium coelestinum</i>	1-3'	3'	s-psh	m	Jul-Oct; Aug-Nov			SE, NE				Colonial; spreads rapidly
Coreopsis	<i>Coreopsis</i> spp.								SE, NE, LH	7	22		
Threadleaf coreopsis	<i>C. verticillata</i>	1-2'	to 12"	s-ps	m, d	May-Jul; Jul-Oct	x	x				1991	
Lobed tickseed	<i>C. auriculata</i>	3-18"	12-16"	s-ps	m, d	Apr-Jul		x					
Star tickseed	<i>C. pubescens</i>	2-4'	1-2'	s-ps	m, d	Jun-Sep	x	x					
Greater tickseed	<i>C. major</i>	2-3'	1-2'	s	m, d	May-Aug	x	x					Will naturalize
Purple coneflower	<i>Echinacea purpurea</i>	2-4'	18-24"	s	m, d	Jun-Aug		x	SE, NE, LH	1	6		
Northern rattlesnake master	<i>Eryngium yuccifolium</i>	2-3'	1-1.5'	s	m, d	Jun-Aug	x	x	NE, LH	?		2016	has thorns
Common boneset	<i>Eupatorium perfoliatum</i>	3-6'	3-4'	s-psh	w, m	Jul-Sep		x	NE, LH	33		2003	
White wood aster	<i>Eurybia divaricata</i>	1-2'	12-18"	ps-sh	m, d	Aug-Oct			SE, NE, LH	?		2008	
Joe-Pye weed	<i>Eutrochium fistulosum</i>	5-10'	3-4'	s-ps	w, m	Jul-Oct			SE, NE, LH	2		2017	Dwarf form available
native Sunflowers	<i>Helianthus</i> spp.								SE, NE, LH	66	50		
Appalachian	<i>H. atrorubens</i>	1.5-6'	1-3'	s-ps	m, d	Jul-Oct; Sep-Nov		x					
Woodland	<i>H. divaricatus</i>	3-6'	1-3'	ps-psh	m, d	Jun-Sep	x	x					
Swamp	<i>H. angustifolius</i>	5-9'	3-4'	s	w, m	Sep-Oct		x				2007	
American alumroot	<i>Heuchera americana</i>	1-2'	12-16"	ps	m, d	Apr-Aug			NE			1999	
Crimson-eyed rose-mallow	<i>Hibiscus moscheutos</i>	4-7'	3-4'	s	w, m	Jun-Sep; Jul-Oct		x	NE, LH	28		1997	
Flaxleaf whitetop aster	<i>Ionactis linariifolius</i>	1-2'	6-12"	s-ps	m, d	Aug-Oct	x		NE				
Blazing star	<i>Liatriis</i> spp.	1.5-4'		s-ps	w, m, d	Jul-Oct		x	NE, SE, LH	5		1998	Size and growing conditions vary by species
Lobelias	<i>Lobelia</i> spp.								NE, SE, LH	6			
Cardinal flower	<i>L. cardinalis</i>	2-3'	1'	s-ps	w, m	Jul-Oct; Aug-Nov		x				2001	
Great blue lobelia	<i>L. siphilitica</i>	2-3'	1'	s-psh	m	Jul-Oct; Aug-Nov		x				1993	
Eastern Solomon's-plume, False Solomon's-seal	<i>Maianthemum racemosum</i>	1-2'	3-4'	ps-sh	m	Apr-Jun; Aug-Oct			BE, NE	2			
Piedmont Barbara's buttons	<i>Marshallia obovata</i>	0.5-1.5'	1'	ps	m	Apr-May; May-Jun	x		SE, NE			2009	
Virginia bluebells	<i>Mertensia virginica</i>	1-2'	12-16"	ps-sh	m	Mar-May; Apr-Jun			SE				Seeds readily. Goes dormant in the summer.
Beebalsms	<i>Monarda</i> spp.								NE, LH	12			
Spotted horsemint	<i>M. punctata</i>	2-3'	2'	s-ps	m, d	Jun-Jul	x						
Wild bergamot	<i>M. fistulosa</i>	2-5'	2-3'	s-ps	m, d	Jul-Sep	x	x					
Scarlet beebalm	<i>M. didyma</i>	2-4'	2-3'	s-ps	m, w	Jul-Aug							
Southern Sundrops	<i>Oenothera fruticosa</i>	16-30"	to 3'	s-ps	m, d	Apr-Oct; May-Nov			NE, SE, LH	17	7	1989	
Wild quinine	<i>Parthenium integrifolium</i>	2-4'		s	m, d	May-Aug	x	x	NE, LH	15			
Beardtongues	<i>Penstemon</i> spp. (native)	1-3'		s-ps	m, d	May-Jul; Jul-Aug		x	NE, LH	7		2002	
Phlox	<i>Phlox</i> spp.								NE, LH	7			
Eastern blue	<i>P. divaricata</i>	9-12"		psh-sh	m	Apr-May							
Trailing	<i>P. nivalis</i>	6"		s	m, d	Mar-May		x					
Creeping	<i>P. stolonifera</i>	6-10"		ps-sh	m	May-Jun		x					
Mountain-mint	<i>Pycnanthemum</i> spp.								NE, LH	4			
Silverleaf	<i>P. incanum</i>	3-4'	2-3'	s-ps	m, d	Jun-Aug; Sep-Oct		x					

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Short-toothed Narrow-leaf	<i>P. muticum</i> <i>P. tenuifolium</i>	2-3' 1-1.5'	2-3' 2-3'	s-psh s-ps	m m, d	Jul-Aug; Sep-Oct Jun-Aug; Sep-Oct		x x				2019	
Coneflowers	<i>Rudbeckia</i> spp.									20	29		
Black-eyed Susan	<i>R. fulgida</i>	2-3'	12-16"	s	m, d	Jun-Oct			NE, SE, LH			1988	
Green-headed coneflower	<i>R. laciniata</i>	4-8'	3-6'	s-ps	m	Jul-Oct; Aug-Nov		x	NE, SE, LH			1995	spreads rampantly by underground stems
Lyre-leaf sage	<i>Salvia lyrata</i>	1-2'	1'	s-ps	w, m, d	Apr-May; May-Jul		x	NE, LH	8			
Bloodroot, Red Puccoon	<i>Sanguinaria canadensis</i>	5-12"	to 16"	ps-sh	m	Mar-Apr; Apr-May			NE, BE, LH	2			
Hoary skullcap	<i>Scutellaria incana</i>	1-3'	1-2'	s-ps	m, d	Jul-Aug; Aug-Oct	x		NE, SE			2014	
Fire pink	<i>Silene virginica</i>	12-18"	to 12"	s-ps	m, d	Apr-Jul			SE, NE, LH	4		2015	Short-lived
Blue-eyed grass	<i>Sisyrinchium angustifolium</i>	6-20"	6-8"	s-ps	m, d	Mar-Jun, May-Jul			SE				
Goldenrods	<i>Solidago</i> spp.								NE, SE, LH	104	42		
Rough Wreath	<i>S. rugosa</i> <i>S. caesia</i>	2-6' 1-4'	1-3' 16-20"	s-ps ps	m, w m, d	Aug-Oct Aug-Oct	x x	x					"Fireworks" is good cultivar
Stokes aster	<i>Stokesia laevis</i>	1-2'		s	m	May-Aug	x		NE				
native fall Asters	<i>Symphotrichum</i> spp.								SE, NE, LH	100	33		
Eastern aromatic	<i>S. oblongifolium</i>	1-3'	to 3'	s	m, d	Sep-Oct; Oct-Nov	x	x				2000	
Smooth blue	<i>S. laeve</i>	1-3'	1'	s-ps	m, d	Sep-Oct; Oct-Nov							
Largeflower	<i>S. grandiflorum</i>	1-1.5'	1'	s-psh	m, d	Sep-Oct; Oct-Nov							
Eastern silvery	<i>S. concolor</i>	1-3'	1'	s	d	Sep-Oct; Oct-Nov	x					1996	
Foamflower	<i>Tiarella cordifolia</i>	5-12"	12-18"	ps-sh	m	Apr-Jun; May-Jun			NE, LH			1986	
Ironweed	<i>Vernonia noveboracensis</i>	4-8'	3-4'	s	w, m	Jul-Oct		x	NE, LH	21	12	2004	
Atamasco lily	<i>Zephyranthes atamasca</i>	1'	<1'	s-psh	m, w	Mar-Jun; May-Jun			NE, SE			2010	
Golden alexander	<i>Zizia aurea</i>	1-3'	12-16"	s-ps	w, m	Apr-May; Jun-Jul			NE, LH	1		2012	
<b>Grasses and sedges</b>													
Bluestem	<i>Andropogon</i> spp.	2-9'	1-5'	s	m, d	Aug-Oct		x	SE, LH	19			
River oats	<i>Chasmanthium latifolium</i>	2-4'	20-30"	s-ps	w, m	Jun-Oct	x	x	SE, LH	7		1994	Readily self sows
Pink muhly	<i>Muhlenbergia capillaris</i>	1-3'	16-32"	s	m, d	Aug-Oct		x	SE, LH	3			
Switchgrass	<i>Panicum virgatum</i>	4-8'	2-5'	s	w, m, d	Sep-Oct		x	SE, LH	31			
Little bluestem	<i>Schizachyrium scoparium</i>	2-4'	6-24"	s	m, d	Jun-Oct		x	SE, LH	9			
Yellow Indian grass	<i>Sorghastrum nutans</i>	3-7'	2-3'	s	m, d	Aug-Oct		x	SE, LH	8			
native Sedges	<i>Carex</i> spp.								SE, NE, LH	36			
Creek sedge (e)	<i>C. amphibola</i>	1'	1'	ps-sh	w, m	May		x					
Longhair sedge	<i>C. comosa</i>	2'	1'-2'	s-psh	w, m	May		x					
Fringed sedge	<i>C. crinita</i>	3'	1-2'	s-psh	w, m	May		x					forms colonies
Blue Wood sedge	<i>C. flaccosperma</i>	6-12"	6-12"	ps-sh	m, w	May		x					tolerates dry or wet shade
Frank's sedge	<i>C. frankii</i>	1-2'	1-2'	s-psh	w, m	May		x					tolerates temporary flooding
Gray's sedge (e)	<i>C. grayi</i>	2'	1.5-2'	s-psh	m, w	May		x					can tolerate drier conditions
Spreading sedge	<i>C. laxiculmis</i>	6-12"	6-12"	ps-sh	m	April		x					
Hop sedge	<i>C. lupulina</i>	2-3'	1-2'	s-psh	w, m	May		x					
Lurid sedge	<i>C. lurida</i>	1-3'	1-2'	s-psh	w, m	May		x					
Pennsylvania sedge (e)	<i>C. pennsylvanica</i>	6-12"	6-12"	ps-sh	d, m	May	x	x					lawn alternative
Rosy sedge	<i>C. rosea</i>	1'	1'	ps-sh	d, m	May		x					

Common name	Scientific name	Height	Width	Sun/ Shade	Soil moisture	Flower & fruit dates	Drought tolerant	Tend to be deer resistant	Benefit to Wildlife	# of butterfly and moth caterpillars supported by genus	# of pollen specialist bees supported by genus (top twelve)	NC Wild Flower of the Year	Special Notes
Narrow-leaved cattail sedge (Squarrose sedge)	<i>C. squarrosa</i>	2-3'	1-2'	s-sh	m, w	May		x					
Tussock sedge (e)	<i>C. stricta</i>	3'	2'	s-psh	m, w	May		x					
Fox sedge	<i>C. vulpinoidea</i>	1-3'	1-2'	s-psh	m, w	May		x					tolerates flooding can spread rapidly

#### Vines

Cross-vine (e)	<i>Bignonia capreolata</i>	36-50'		s-psh	m, d	Apr-May; Jul-Aug			NE, LH	2			
Trumpet creeper	<i>Campsis radicans</i>	6-80'		s-ps	m, d	Jun-Oct; Sep-Oct	x	x	NE, LH	7			
Butterfly pea	<i>Centrosema virginianum</i>	6-12'		psh-sh	m, d	Jul-Aug			NE, LH	2			
Carolina jessamine (e)	<i>Gelsemium sempervirens</i>	5-20'		s-ps	m, d	Mar-May; Sep-Nov		x	NE				
Pipevine	<i>Isotrema macrophylla</i>	15-30'		s-psh	m	May-Jun; Aug-Sep			NE, LH	1			
Coral honeysuckle	<i>Lonicera sempervirens</i>	4-15'		s-ps	m	Mar-Jul; Jul-Sep	x	x	NE, BE, LH	31			
Muscadine grapes	<i>Muscadina rotundifolia</i> ( <i>Vitis rotundifolia</i> )	8-60'		s-ps	m	spring; fall			NE, BE, LH	67			Edible fruit
Virginia creeper	<i>Parthenocissus quinquefolia</i>	4-70'		s-ps	w, m, d	May-Jul; Jul-Aug	x	x	BE, LH	29			
Yellow passionflower	<i>Passiflora lutea</i>	15'		s-ps	m, d	Jun-Sep ; Aug-Oct		x	NE, BE, LH	5			
Lanceleaf greenbrier, Jacksonbrier (e)	<i>Smilax smallii</i>	6-12'		s-psh	w, m	Jun-Jul ; Apr-Jun (following year)			NE, BE, LH	19			Needs male pollinator

KEY	
<b>Evergreen:</b>	Marked with "(e)" next to plant name
<b>Soil moisture:</b>	w = wet, m = moderate, d = dry
<b>Sun requirements:</b>	s = full sun, ps = part sun, psh = part shade, sh = shade
<b>Flower &amp; fruit dates:</b>	Flowering period (first date range) and fruiting period (second date range). Only one date range is provided for species that flower and fruit simultaneously.
<b>Benefit to Wildlife:</b>	LH = larval host, SE = seeds/nuts, BE = berries/fruits, NE = nectar and pollen
<b>Deer Resistance:</b>	<b>No plant is deer proof</b> but the plants marked with an X are considered least likely to be damaged. Some new plants may need protection from "sampling" until established. New growth on perennials may need protection in spring with a spray if there's damage from browsing. We recommend that all new trees have protection from browsing until branches are above browsing line and from buck rub until trunk diameter is at least 3 inches.
<b># of Caterpillars supported and # of pollen specialist bees supported</b>	This is for the entire genus rather than each species. It relates to Doug Tallamy's concept of keystone species where he recommends planting species from the genera hosting the most caterpillars to provide food for the birds to raise their nestlings. Also it is desirable to support bees that specialize only in some genera's pollen.

<b>Sources:</b>	<p><b>Plants and growing conditions:</b>  NC Extension Service (primary source) <a href="https://plants.ces.ncsu.edu/">https://plants.ces.ncsu.edu/</a>  Audubon NC - (primary source) <a href="https://nc.audubon.org/birdfriendlynativeplantslists">https://nc.audubon.org/birdfriendlynativeplantslists</a>  Lady Bird Johnson Wildflower Center <a href="http://www.wildflower.org">www.wildflower.org</a>  <b>NC Wild Flower of the Year program:</b>  NC Botanical Gardens <a href="https://ncbg.unc.edu/plants/nc-wildflower-of-the-year/">https://ncbg.unc.edu/plants/nc-wildflower-of-the-year/</a>  <b>Deer resistance:</b>  NC Extension Service (primary source) <a href="https://plants.ces.ncsu.edu/">https://plants.ces.ncsu.edu/</a>  Lady Bird Johnson Wildflower Center <a href="https://www.wildflower.org/collections/collection.php?collection=deer">https://www.wildflower.org/collections/collection.php?collection=deer</a>  Also from the experience of members of the New Hope Bird Alliance's Bird Friendly Habitat</p>
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		<b># of caterpillars supported and # of pollen specialist bees supported</b> National Wildlife Federation			<a href="https://www.nwf.org/NativePlantFinder/About">https://www.nwf.org/NativePlantFinder/About</a>								

<b>Compiled by:</b>	New Hope Bird Alliance, serving Durham, Orange, and northern Chatham Counties in North Carolina and parts of adjacent counties <a href="http://newhopebirdalliance.org">newhopebirdalliance.org</a>
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