TOP KEYSTONE PLANTS FOR BIRDS IN THE NORTH CAROLINA PIEDMONT

These top keystone genera host the insect biomass that is essential for the ecosystem to function. Trees and large shrubs are the most important because of their greater leaf volume. Doug Tallamy, who developed the concept, has written that landscapes without a few species from these genera will have "failed food webs, even if the diversity of other plants is very high." In addition, caterpillars are one of the primary food sources needed for songbirds to raise their nestlings. Please see our website for more information about all the recommended plants for the Piedmont at https://newhopebirdalliance.org/bird-friendly-certification/native-plants/. Some of the other recommended plants listed there must be planted in addition to some keystone plants to provide all the necessary vegetative layers and provide plants that provide blooms for pollen and nectar throughout growing season. The source for finding keystone genera and lepidoptera numbers for our area is the National Wildlife Federation's Native Plant Finder at: https://nativeplantfinder.nwf.org/

https://nativeplant	finder.nwf.org/		
Genus name	Common names of some of the species of that genus that are native to the Piedmont of NC	# of lepidoptera hosted by genus	Recommended for new plantings
Trees			
Quercus	native Oaks (White, Willow, Red, Overcup, Scarlet, Shumard)	488	R
Prunus	Black cherry	362	R
Salix	Black willow	279	R
Betula	River birch	299	R
Acer	Maples (Red, Southern Sugar, Chalk)	254	R
Malus	Flowering crabapple	245	R
Carya	Hickories	242	R
Pinus	Pines (Shortleaf, Virginia, Longleaf)	232	R
Alnus	Tag Alder	168	R
Ulmus	Winged Elm	171	
Crataegus	Hawthorns	138	R
Juglans	Black walnut	136	
Fraxinus	Ash	121	
Fagus	American beech	124	R
Corylus	American hazelnut	104	R
Cornus	native Dogwoods (Flowering, Silky)	101	R
Amelanchier	Serviceberries (Eastern, Downy)	94	R
Ostrya	American Hop-hornbeam	82	R
Carpinus	Ironwood	71	R
Diospyros	American persimmon, Common persimmon	55	R
Celtis	Hackberry and dwarf Hackberry	47	R
llex	American Holly	44	R
Shrubs			•
Prunus	native Plums (Wild, Chickasaw)	362	R
Vaccinium	native Blueberries (Sparkleberry, Smooth highbush, Deerberry)	237	R
Rubus	Blackberry	140	R
Rosa	native Roses (Carolina/Pasture, Swamp)	105	R
Viburnum	Viburnums (Blackhaw, Southern arrowwood, Maple-leaf, Possumhaw, Downy arrowwood)	99	R
Hamamelis	Common witch hazel	68	R
Rhododendron	native Azaleas (Sweet, Flame, Swamp, Pinxterflower)	53	R
Rhus	Sumacs (Smooth, Shining)	53	R
llex	native Hollies (American, Winterberry, Inkberry, Deciduous)	44	R
Perennial Flowers			ı
Solidago	Goldenrods (Rough, Wreath)	102	R
Helianthus	native Sunflowers (Appalachian, Woodland, Swamp)	64	R
Vines			
Vitis	native Grapes (Muscadine, Fox)	67	R