

# Every Garden Needs Keystone Plants

*Support birds, insects and other animals by adding keystone plants*



Keystone species play a major role in supporting a healthy food web. Without keystone species a food web will collapse. According to Doug Tallamy, noted entomologist at the University of Delaware, keystone plants support 90 % of the butterfly and moth species, as well as many native bee species. Birds and other animals depend upon insects for food and many flowering plants depend upon insects for pollination.



## Keystone Plants Native to Piedmont Virginia

### Trees

*Supports up to 500 different caterpillar species*

#### native oaks

|             |                         |
|-------------|-------------------------|
| white oak   | <i>Quercus alba</i>     |
| willow oak  | <i>Quercus phellos</i>  |
| scarlet oak | <i>Quercus coccinea</i> |

#### native birches

|             |                     |
|-------------|---------------------|
| sweet birch | <i>Betula lenta</i> |
| river birch | <i>Betula nigra</i> |

#### native pines

|                |                         |
|----------------|-------------------------|
| pitch pine     | <i>Pinus rigida</i>     |
| virginia pine  | <i>Pinus virginiana</i> |
| shortleaf pine | <i>Pinus echinata</i>   |

#### native maples

|           |                     |
|-----------|---------------------|
| red maple | <i>Acer rubrum</i>  |
| boxelder  | <i>Acer negundo</i> |

#### native cherries

|               |                         |
|---------------|-------------------------|
| black cherry  | <i>Prunus serotina</i>  |
| american plum | <i>Prunus americana</i> |

#### native willow

|               |                      |
|---------------|----------------------|
| black willow  | <i>Salix nigra</i>   |
| upland willow | <i>Salix humilis</i> |

#### native dogwoods

|                   |                            |
|-------------------|----------------------------|
| flowering dogwood | <i>Cornus florida</i>      |
| pagoda dogwood    | <i>Cornus alternifolia</i> |
| silky dogwood     | <i>Cornus amomum</i>       |

#### native hickories

|           |                        |
|-----------|------------------------|
| pignut    | <i>Carya glabra</i>    |
| shagbark  | <i>Carya ovata</i>     |
| mockernut | <i>Carya tomentosa</i> |

#### native beech

|                |                          |
|----------------|--------------------------|
| american beech | <i>Fagus grandifolia</i> |
|----------------|--------------------------|

#### native serviceberry

|                    |                               |
|--------------------|-------------------------------|
| shadbush           | <i>Amelanchier canadensis</i> |
| downy serviceberry | <i>Amelanchier arborea</i>    |

### Shrubs

*Supports up to 290 different caterpillar species*

#### native blueberries

|          |                                |
|----------|--------------------------------|
| highbush | <i>Vaccinium corymbosum</i>    |
| lowbush  | <i>Vaccinium angustifolium</i> |

#### native chokeberries

|                  |                           |
|------------------|---------------------------|
| red chokeberry   | <i>Aronia arbutifolia</i> |
| black chokeberry | <i>Aronia melanocarpa</i> |

#### native viburnums

|                    |                             |
|--------------------|-----------------------------|
| arrowwood viburnum | <i>Viburnum dentatum</i>    |
| blackhaw viburnum  | <i>Viburnum prunifolium</i> |
| mapleleaf viburnum | <i>Viburnum acerifolium</i> |
| possumhaw viburnum | <i>Viburnum nudum</i>       |

### Flowers

*Supports up to 115 different caterpillar species*

#### native asters

|                    |                                     |
|--------------------|-------------------------------------|
| aromatic aster     | <i>Symphyotrichum oblongifolius</i> |
| new england        | <i>Symphyotrichum novae-angliae</i> |
| heart leaved aster | <i>Symphyotrichum cordifolium</i>   |
| white wood aster   | <i>Eurybia divaricata</i>           |

#### native goldenrods

|                         |                           |
|-------------------------|---------------------------|
| gray goldenrod          | <i>Solidago nemoralis</i> |
| rough-stemmed goldenrod | <i>Solidago rugosa</i>    |
| blue stemmed goldenrod  | <i>Solidago casesia</i>   |
| showy goldenrod         | <i>Solidago speciosa</i>  |

#### native sunflower

|                         |                                 |
|-------------------------|---------------------------------|
| woodland sunflower      | <i>Helianthus divaricatus</i>   |
| narrow-leaved sunflower | <i>Helianthus angustifolius</i> |
| thin-leaved sunflower   | <i>Helianthus decapetalus</i>   |