

As with all keys, after you key a plant you must read a detailed description of that species to determine if you have the correct species. All simple-leaved woody shrubs with teeth and all Viburnums are included. Non-viburnums without teeth are only listed and not keyed.

- 1. Simple leaves without teeth
  - 2. Three distinct main veins, leaves narrow and leathery, petioles reddish
    - 3. Up to 8-10 feet tall and 6-8 feet wide, cymes are more open and 2.4-5.9 in. wide, fruits are turquoise-blue but rarely seen *Viburnum cinnamomifolium*
    - 3' Up to 5 feet tall and 6 feet wide, cymes are dense and 2-3 in. wide, fruits bright blue *Viburnum davidii*
  - 2' Veins otherwise, leaves various, petioles various
    - 4. Terminal clusters of flowers, fleshy fruits with a single seed, flowers white
      - 5. Leaves somewhat glossy but not leathery, native to moist and wet places *Viburnum nudum*
      - 5' Leaves various, non-native
        - 6. Leathery leaves - may be evergreen *Viburnum rhytidophyllum*
        - 6' Leaves not leathery - evergreen
          - 7. Leaves 2-4 in. long and 1-2 in. wide, fruit dark but not black, flowers late winter through spring *Viburnum tinus*
          - 7' Leaves 3-10 in. long and 1-4 in. wide, fruit black, flowers mid to late June *Viburnum cylindricum*
  - 4' Plants otherwise Consider these taxa:

<i>Calycanthus floridus</i>	<i>Ligustrum</i> spp.	<i>Rhamnus frangula</i>
<i>Cephalanthus occidentalis</i>	<i>Lonicera</i> spp.	<i>Shepherdia</i> spp.
<i>Chionanthus virginicus</i>	<i>Euonymus europaeus</i>	<i>Syringa vulgaris</i>
<i>Cornus</i> spp.	<i>Symphoricarpos</i> spp.	

- 1' Simple leaves with teeth

Start with couplet 8 on Page 2

8. Leaf lobed
9. No glands on the petiole
10. Leggy shrub, leaves somewhat like the leaf of *Acer rubrum*, nearly flat-topped inflorescence with very small flowers *Viburnum acerifolium*
- 10' Mounding shrub, deeply lobed leaves, long cone-like inflorescence with some flowers with large petals *Hydrangea quercifolia*
- 9' Glands on the petiole
11. Hairs along the veins on the underside. Lighter and less coarse bark than *V. sargentii*. *Viburnum opulus*
- 11' No hairs along the veins on the underside. Darker and coarser bark. The middle lobe of the leaf is often longer and not as toothed as *V. opulus* *Viburnum sargentii*
- 8' Leaf not lobed
12. Leaf rounded or egg shape (rounded or fatter at one end or the other) \*\*12' is on page 5\*\*
13. Regular and distinct teeth on leaf margin, 10 or more teeth in. the width of a dime
14. Underside of leaf pubescent
15. Leaves nearly round *Viburnum lantanoides*
- 15' Leaves longer than wide
16. Greyish-green leaves with short petioles, showy purple (or sometimes white) inflorescence. Common ornamental. *Buddleja davidii*
- 16' Dark green leaves with longer petioles, flowers inconspicuous. Leaves turn red in. the fall. Uncommon native. *Euonymus atropurpureus* var. *atropurpureus*
- 14' Underside of leaf not pubescent
17. Petiole with wavy margins *Viburnum lentago*
- 17' Petiole without wavy margins
18. Many leaves nearly round with deep veins and prominent (but small) teeth *Rhamnus cathartica*
- 18' Leaves not nearly round, veins not prominent, teeth less prominent *Viburnum prunifolium*
- 13' Regular and distinct teeth on leaf margin, fewer than 10 teeth in. the width of a dime
19. Underside with dense pubescence
20. Length of petiole less than the width of a dime
21. Leaves grey-green with hairs *Buddleja davidii*
- 21' Leaves not grey-green
22. Leaves finely toothed and not deeply veined
23. Weak-stemmed, prominent lenticels, yellow flowers and usually no fruits *Forsythia* spp.
- 23' Sturdy stems, bark without prominent lenticels, pinkish flowers and bright purple fruits

24. Petioles usually less than 0.6 in. long *Callicarpa dichotoma*  
 24' Petioles usually 0.6-1.2 in. long *Callicarpa americana*
- 22' Leaves coarsely toothed and more or less deeply veined
25. Leaves 1-4 in. long, 3/4-2 1/2 in. wide, irregularly toothed, dull dark green and stellate pubescent above, densely pubescent and paler below, petiole 1/4-1/2 in. long *Viburnum rafinesquianum*
- 25' Leaves 1-5 in. long, 1-4 in. wide, regularly toothed, dark green above with hairs, hairs below, petiole 1/4-3/4 in. long
26. Leaves 2-5 in. long, 1-4 in. wide, regularly toothed, dark green above, often lustrous, hairy above and below, petiole 1/4-3/4 in. long *Viburnum dilatatum*
- 26' Leaves 1.5-3 in. long, 1-2 in. wide, coarsely toothed, dark green with sparse hairs above, lower surface paler and hairy, sometimes only along the veins, petiole 1/8-1/2 in. long *Viburnum carlesii*
- 20' Length of petiole greater than the width of a dime
27. Fewer than 9 secondary leaf veins on one side of mid vein
28. Leaves very deeply veined with nearly 9 secondary leaf veins on one side of mid vein *Viburnum lantana*
- 28' Leaves not as deeply veined, fewer than seven main secondary veins
29. Leaves 2-8 in. long, acuminate, serrate, glabrous or sometimes puberulous beneath, petiole 1-3 in. long *Hydrangea arborescens* or *H. cinerea*
- 29' Leaves 2-5 in. long, abruptly short acuminate, coarsely toothed, hairy on both sides, petiole 1/4-3/4 in. long *Viburnum dilatatum*
- 27' More than 9 secondary leaf veins on one side of mid vein
30. Young twigs light brown to almost yellowish, often almost square, often hollow, prominent lenticels *Forsythia spp.*
- 30' Young twigs greyish, not squarish, not hollow, may have lenticels
31. Young twigs scaly but not pubescent, light lenticels, buds small and either naked or with a few scales
- X. Petioles usually less than 0.6 in. long *Callicarpa dichotoma*  
 X' Petioles usually 0.6-1.2 in. long *Callicarpa americana*
- 31' Young twigs pubescent, few or no lenticels on twigs, buds naked
- X. Leaves broadly ovate, 2-5 in. long, uniformly coarse-serrate, rather thick and leathery, dark green above with sunken veins, pale pubescent beneath *Viburnum lantana*  
 X' Leaves ovate, 2-4 in. long, serrate, dark green above, wrinkled, pubescent beneath ***Viburnum plicatum* var. *tomentosum***
- 19' Underside smooth or with hairs only along the veins
32. Young twigs glabrous

33. Young twigs with distinct ridges, distinct wings, or slight ridges and squarish stems
34. Young twigs green to brown with 2-4 corky wings *Euonymus alatus*
- 34' Young twigs ridged and/or squarish but without corky wings
35. Stems stout, squarish, green, glabrous, slight decurrent ridges, green pith *Euonymus japonicus*
- 35' Stems slender, ridged and angled, glabrous or slightly velvety, green to brown *Viburnum dentatum*
- 33' Plants with no ridges and no wings
36. Leaves >2 in. wide
37. Evergreen shrub or small tree, large dark leathery leaves *Viburnum odoratissimum*
- 37' Deciduous shrub, leaves not leathery
38. Leaf teeth prominent, along entire margin, and usually numbering more than ten on each side of the leaf
39. Stout stems, leaves 2-8 in. long and 2-6 in. wide, petiole 1-3 in. *Hydrangea arborescens*
- 39' Stems often exceptionally long and straight, leaves up to 4 in. long and up to 3 in. wide, petiole 1/4 - 1 in. long *Viburnum recognitum*
- 38' Leaf teeth not prominent, sparse or absent along the lowest 25% of leaf margin, numbering less than ten per side of the leaf *Philadelphus inodorus*
- 36' Leaves <2 in. wide
40. Young twigs green
41. Leaves sometimes evergreen, 2-3 in. long, 3/4 - 1 3/4 in. wide, veins not distinctly parallel and not extending to near the leaf margin, petiole 1/6 - 1/3 in. long *Euonymus kiautschovicus*
- 41' Leaves not evergreen, 2.5-4 in. long, half as wide, veins distinctly parallel and extending to leaf margin, petiole 1/8-1/4 in. long *Rhodotypos scandens*
- 40' Young stems brown, grey, purplish, or tan
42. Young twigs slender, greyish/grey-green/brown, terminal bud a spine, inner bark orange *Rhamnus cathartica*
- 42' Young twigs brown, grey, or purplish, terminal bud not a spine, inner bark not orange
43. Single bud scale, leaf >4x longer than wide, stems mostly glabrous and yellow-green or brown to purple or red, infl a catkin appearing before leaves *Salix purpurea*
- 43' Bud scales three or more, leaf <4x longer than wide, young twigs brown or brownish
44. Axillary buds exposed above the petiole base,
- X. Petiole longer than 2mm, margins with many distinct teeth, Flowers large and white *Rhodotypos scandens*

- X' Petiole 1-2mm, margins usually without teeth, flowers whitish but turning pink, 0.6-1 in. wide *Kolkwitzia amabilis*
- 44' Axillary buds mostly obscured by petiole, petiole 1-8 mm, leaf margins with or without teeth, flowers white and usually wider than 1 in.
45. Flowers very fragrant, 1.0-1.4 in. wide, Leaves dark green, habit upright, arching, often becoming leggy *Philadelphus coronarius*
- 45' Flowers not fragrant, 1.8-2.2 in. wide, Leaves lustrous dark green, habit upright, arching, rounded and often dense *Philadelphus inodorus*
- 32' Young twigs with hairs of some sort
46. Low (to 4 ft) shrub with a dense mounding habit *Diervilla lonicera*
- 46' Taller (usu >4 ft tall) shrub with an upright habit
47. Evergreen shrub or small tree, large dark leathery leaves *Viburnum odoratissimum*
- 47' Deciduous shrub, leaves not leathery
48. Coarsely to not serrated, 2-4 in. long, green above, lighter below, no ridges on twigs, mature bark shreddy *Philadelphus coronarius*
- 48' Coarsely serrated leaves, 1 1/2-3 1/2 in. long, shiny dark green above, paler below, twigs ridged, mature bark smooth *Viburnum dentatum*
- 12' Leaf elliptic or oblong or lanceolate (tapering at both ends with the widest section in. the middle of the leaf)
48. Leaves dark and glossy *Paxistima canbyi*
48. Leaves not dark and glossy
49. Regular and distinct teeth on leaf margin
50. More teeth in. the width of a dime
51. Stems mostly green
52. Leaf underside glabrous or with hairs only along mid rib, petioles 1-3 mm long *Euonymus americanus*
- 52' Leaf underside with mostly erect hairs, petioles 8-20 mm long *Euonymus atropurpureus* var. *atropurpureus*
- 51' Stems not mostly green although youngest twigs may be green
53. Stem with prominent ridges and pubescent *Buddleja davidii*
- 53' Stem not ridged and if hairy only slightly so
54. Evergreen shrub or small tree, large dark leathery leaves *Viburnum odoratissimum*
- 54' Deciduous shrub, leaves not leathery
55. Leaves 2-4 in. long, half as wide, petiole winged with wavy margin, 1/2-1 in. long *Viburnum lentago*
- 55' Leaves 1 1/2-3 1/2 in. long, 1-2 in. wide, petiole not narrowly winged, 1/3-3/4 in. long *Viburnum prunifolium*

- 50' Fewer than 10 teeth in. the width of a dime
56. Underside of leaf pubescent
57. Petioles under 1/4 in. long
58. Underside of leaf rough
59. Leaves 1-4 in. long, up to 2 in. wide, stem brown to grey-brown *Deutzia scabra*
- 59' Leaves 1-3 in. long, 3/4 - 1 1/2 in. wide, petiole 1/4-1/2 in. long, young stems often greenish *Forsythia spp.*
- 58' Underside of leaf hairy or nearly glabrous but not rough
60. Native marshland plant with almost succulent leaves *Iva frutescens*
- 60' Native or Non- but not a marshland plant and leaves not nearly succulent
61. Young stems with prominent ridges
62. Small native forest shrub without a white look to leaves *Diervilla lonicera*
- 62' Rangy non-native shrub with white-ish leaves *Buddleja davidii*
- 61' Young stems round in. cross-section
63. 8-10 ft at maturity, young twigs are brown, with prominent orange lenticels, Leaves 2-5 in. long, petioles 1/4-3/4 in. long *Viburnum dilatatum*
- 63' 3-6 ft. tall at maturity, young twigs light green to reddish green, with scattered white lenticels, leaves 1 1/2-2 1/2 in. long, petioles <1/4 in. long *Viburnum rafinesquianum*
- 57' Petioles longer than 1/4 in.
64. Native marshland plant with almost succulent leaves *Iva frutescens*
- 64' Native or Non- but not a marshland plant and leaves not nearly succulent
65. Leaves 1-3 in. long, 3/4 - 1 1/2 in. wide, petiole 1/4-1/2 in. long, young stems often greenish *Forsythia spp.*
- 65' Leaves 2-6 in. long, 1-3 in. wide, petiole 1/2-1 1/2 in. long, young stems not greenish
66. Stem stout, reddish brown, bark showing grey vertically streaked areas *Hydrangea paniculata*
- 66' Stem not stout, brown or grey brown, bark various but without distinct vertical streaks
67. Inflorescence terminal, leaves 2-5 in. long
68. Leaves abruptly short acuminate, dark green above, often lustrous, hairy on both sides, petiole 1/4-3/4 in. long *Viburnum dilatatum*
- 68' Leaves acute or obtuse, dark green and stellate-pubescent and wrinkled above, stellate-tomentose below petiole 1/2-1 1/2 in. long *Viburnum lantana*
- 67' Inflorescence axillary, leaves 2-6 in. long

- 69. Leaves 2-5 (sometimes 5) in. long, 1-2 1/2 in. wide, dark green and nearly glabrous above, stellate pubescent beneath, petiole 1/2 - 1 in. long *Viburnum plicatum*
- 69' Leaves 2 1/2 - 6 in. long, half as wide, medium green and pubescent above, tomentose and glandular below, petiole 1/2-1 in. long *Callicarpa americana*
- 56' Underside of leaf not pubescent
  - 70. When crushed leaf smells like burnt rubber (well, it stinks of something bad) *Viburnum sieboldii*
  - 70' When crushed leaf smells otherwise
    - 71. Single bud scale, leaves >4x longer than wide, stems mostly glabrous and yellow-green or brown to purple or red, inflorescence a catkin appearing before leaves *Salix purpurea*
    - 71' Bud scales absent or in. 1 or more pairs, leaf <4x longer than wide, stems various but usually grey-brown and not glabrous, inflorescence not a catkin
      - 72. Stems with 2-4 corky wings *Euonymus alatus*
      - 72' Stems without corky wings
        - 73. 4 crisp puberulent ridges, Leaves 2-6 in. long, half as wide, glabrous below, petiole 1/8 in. long *Diervilla lonicera*
        - 73' Stems not ridged, Leaves 3-6 in. long, 1 1/4-2 1/2 in. wide, glabrous except silkly hairs along veins below, petiole 1/2-1 in. long *Viburnum setigerum*
- 49' Leaf margin with obscure or indistinct teeth
  - 74. Leaves deeply wrinkled *Viburnum rhtidophyllum*
  - 74' Leaves less wrinkled *Viburnum x rhytidophylloides*

Convert to inches