

Caprifoliaceae (Honeysuckle Family) Key

Key to species in Newfoundland and Labrador

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- 1a. Plants woody, erect low shrubs to 1 m tall. **2**
- 1b. Plants herbaceous or dwarf creeping stems. **4**
 - 2a. Leaves ovate, apex acuminate, margins serrate, flowers distinct, corolla yellow, turning orange and to red after pollination; fruit a cylindrical capsule terminating in 5 persistent slender calyx lobe. ***Diervilla lonicera*** (bush honeysuckle)
 - 2b. Leaves oval to orbicular, apex blunt (obtuse) to rounded, margins entire or with a few shallow lobes near the base of the leaf; fruit a fleshy berry. **3**
- 3a. Leaves oval, pubescent; flowers pale yellow, with 2 corolla lobes attached to a single ovary; fruit an ovoid blue berry. ***Lonicera villosa*** (northern fly-honeysuckle)
- 3b. Leaves oval to orbicular; flowers pink, with a single corolla and ovary; fruit a globose white berry. ***Symphoricarpos albus*** (common snowberry)
- 4a. Dwarf shrubs with creeping stems to 2 m long and ascending to erect branches to 1 dm tall; stems bearing pairs of obovate to orbicular leaves; flowering stalks (peduncles) arising from the leaf axils and dividing above the middle into 2 branches, each of which bears a nodding pink flower; peduncles and floral bracts glandular pubescent; corolla funnelform, hairy inside; fruit a small dry capsule.
..... ***Linnaea borealis*** (twinflower)
- 4b. Erect herbaceous plants, with basal and cauline leaves, leaves simple, pinnately lobed, or pinnately compound; flowers blue or white; fruit an achene. **5**
- 5a. Plants pubescent; flowers in a hemispherical head, subtended by several lanceolate leafy bracts (involucre); corolla blue to purple and 4-lobed, stamens 4; fruit an achene, terminating in 8 slender awns (persistent calyx lobes); introduced plants of open fields and disturbed areas. ***Knautia arvensis*** (field scabious)
- 5b. Plants glabrous; flowers in compound cymes; the calyx of several bristle-like (setiform) lobes, each calyx lobe rolled inward at the top of the corolla tube, unrolling in fruit to produce a feather-like (plumose) pappus atop the achene; corolla tubular (salverform), pinkish white, the tube gibbous towards the base, the limb 5-lobed; stamens 3, ovary inferior; plants of fens, moist fields, or disturbed areas. **6**
- 6a. Plants 1–4 dm tall; basal leaves petiolate and simple or pinnatifid, margins entire; cauline leaves pinnatifid, with 2–6 lobes; flowers bisexual and pistillate on the same

- plant, corolla 3–4 mm long; achene topped with a 9–15-branched plumose pappus; plants native. *Valeriana dioica* subsp. *sylvatica* (northern valerian)
- 6b. Plants 8–15 dm tall; basal leaves pinnately compound, cauline leaves pinnately divided or compound, with 7–25 leaflets, margins coarsely toothed; flowers in compound cymes, corolla 2.5–5 mm long; achene terminating in a 10-branched plumose pappus; plants introduced, occasionally escaping from gardens.
 *Valeriana officinalis* (garden valerian)

Caprifoliaceae Comparison Charts

Caprifoliaceae Chart 1 (of 2): Shrubs with erect woody stems			
Species:	<i>Diervilla lonicera</i>	<i>Lonicera villosa</i>	<i>Symphoricarpos albus</i>
	bush honeysuckle	mountain fly-honeysuckle	common snowberry
Size	low shrubs, usually to 5 dm tall, occasionally to 1 m tall	low to medium shrubs, to 1 m tall	low to medium shrubs, to 1 m tall
Leaves	lanceolate to ovate , 5–13 cm long, glabrous; base rounded, narrowing gradually to an acuminate apex; margins serrate	oval to oblong , 2.5–6 cm long, pubescent ; bases rounded to attenuate, apex blunt to rounded; margins entire	ovate to nearly orbicular , 1–5 cm long, ± glabrous; bases rounded to cordate, apex blunt to rounded and mucronate; margins entire to shallowly lobed
Inflorescence	terminal and axillary cymes of 2–6 flowers	axillary, borne in pairs	solitary, or usually in terminal and axillary racemes of 2–5 flowers
Flowers	yellow to orange, 2-lipped ; upper lip divided into 2 lobes, lower lip with 3 lobes; the centre of the lower lip is hairy and deeper yellow	pale yellow, tubular and 2-lipped ; upper lip 2-lobed, lower lip 3-lobed; 2 corollas are borne at the top of each inferior ovary	white and pink, campanulate , with 5 short lobes; inside of corolla is densely hairy ; the short 5-lobed calyx persists at the end of young fruit
Fruit	dry cylindrical brown capsules , with a narrow beak and ending in the star-like persistent calyx	fleshy blue berry-like fruit , formed by 2 fused ovaries surrounded by a fleshy cup-like sheath	globose white berry-like drupes , 6–12 mm in diameter, borne in tight clusters at branch ends

Caprifoliaceae Chart 2 (of 2): Forbs or Dwarf shrubs with creeping stems

Genera:	<i>Linnaea</i>	<i>Knautia</i>	<i>Valeriana</i>
	twinflower	field scabious	valerian
Size	creeping dwarf shrubs; stems trailing; erect flowering shoots to 1 dm tall	forbs, 4–9 dm tall	forbs, 5–10 cm tall
Leaves	simple, obovate to orbicular, 1–2 cm long, crenate near the apex	pinnatifid; upper leaves smaller, with fewer lobes than basal leaves	basal leaves simple and spatulate or pinnatifid; cauline leaves pinnate; upper leaves smaller than lower
Flowers	the forked peduncle bears 2 nodding pink flowers	in dense heads with numerous pale purple 4- lobed flowers	in a terminal compound cyme of numerous white, pink-tinged flowers
Fruit	a small dry capsule, surrounded by persistent glandular calyx lobes	a ± cylindrical achene topped with 8 short slender awns	a ± cylindrical achene topped with 9–15 plumose bristles