



Lindera Thunb. (Lauraceae)

VEGETATIVE KEY TO SPECIES IN CULTIVATION

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Vegetative identification key.

Introduction:

This key is based on vegetative characteristics, and therefore also of use when flowers and fruits are absent.

- Use a 10x hand lens to check pubescence and venation pattern in general.
- Look at the entire plant.
- Beware of hybridisation, especially with plants raised from seed other than wild origin.

Abbreviations used in this key:

- **L/W** = length/width
- **LS** = lower surface
- **US** = upper surface

Taxa treated in this key: → page 4.

Taxa referred to synonymy in this key: → page 4.

References:

- JDL herbarium and [illustrations](#)
- living specimens, in various arboreta, botanic gardens and collections
- literature:

Bean, W.J. & Clarke, D.L. - (1987) - *Lindera* in Bean's Trees and Shrubs hardy in the British Isles 3, p.577-579 and [Trees and Shrubs Online](#)
Cui, H. & van der Werff, H - (2008) - *Lindera* in Flora of China VOL 7, p.142-159 and [online edition](#)
Krüssmann, G. - (1977) - *Lindera* in Handbuch der Laubgehölze 2, p.230-232.
RHS - (2014) - *Lindera* in The Hillier Manual of Trees & Shrubs, p.197-198.

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KEY TO GROUPS

Lamina predominantly strongly 3-veined at base. **Group A**

Lamina pinnately veined. **Group B** → p3

GROUP A

Lamina predominantly strongly 3-veined at base.

01 a Lamina LS predominantly strongly 3-veined from the very base (10x LENS: strong secondary veins form a tiny part of the margin). 02

b Lamina LS predominantly strongly 3-veined from a point clearly above the base (10x LENS: strong secondary veins completely separate from margin). 04

02 a Lamina predominantly unlobed. ***L. praetermissa***

b Lamina (0-2-)3-lobed. 03

03 a Lamina width predominantly >length, LS glabrous (10x LENS). ***L. cercidifolia***

b Lamina length predominantly >width, LS pubescent (10x LENS). ***L. obtusiloba***

04 a Lamina (0-2-)3-lobed. ***L. triloba***

b Lamina unlobed. 05

05 a Plant evergreen. 06

b Plant deciduous. 07

06 a Lamina base rounded to broadly cuneate, LS midvein pubescent (10x LENS). ***L. aggregata***

b Lamina base cuneate, LS midvein (soon) glabrous (10x LENS). ***L. pulcherrima***

07 a Lamina (shallowly) cordate at base. ***L. heterophylla***

b Lamina rounded to cuneate at base. 08

08 a Lamina L/W ratio predominantly ≥2/1, left and right side similar to each other. ***L. rubronervia***

b Lamina L/W ratio predominantly ≤2/1, left and right side different from each other. ***L. neesiana***

GROUP B
Lamina pinnately veined.

- 01 a Plant evergreen. 02
 - b Plant deciduous. 04
- 02 a Lamina LS secondary veins 10-18/side. *L. megaphylla*
 - b Lamina LS secondary veins 5-9/side. 03
- 03 a Lamina US dull, LS glabrous or pubescent with short hairs (10x LENS). *L. communis*
 - b Lamina US shiny, LS +/- densely pubescent with long hairs (10x LENS). *L. nacusua*
- 04 a Lamina predominantly oblanceolate to obovate. 05
 - b Lamina predominantly lanceolate or ovate to elliptic. 07
- 05 a Lamina L/W ratio +/- 2/1 at least in part of the foliage. *L. benzoin*
 - b Lamina L/W ratio predominantly 3/1-4/1. 06
- 06 a Lamina US midvein glabrous. *L. erythrocarpa*
 - b Lamina US midvein pubescent (10x LENS). *L. chienii*
- 07 a Lamina L/W ratio predominantly ≥3/1. 08
 - b Lamina L/W ratio predominantly ≤2/1. 10
- 08 a Lamina largest width in or below the middle, apex acuminate to caudate.
 - *L. metcalfiana* var. *dictyophylla*
 - b Lamina largest width in the middle, apex obtuse to acute (rarely acuminate). 09
- 09 a Petiole ≤5 mm. Lamina rather oblong (almost parallel sided). *L. angustifolia*
 - b Petiole 5-10 mm. Lamina rather narrowly elliptic. *L. erythrocarpa*
- 10 a Shoot rather warty, lenticels obvious and raised (10x LENS). *L. praecox*
 - b Shoot rather smooth, lenticels absent or small and not raised (10x LENS). 11
- 11 a Lamina LS tertiary vein pattern scarcely visible to the naked eye. *L. glauca* var. *salicifolia*
 - b Lamina LS tertiary and often quaternary vein pattern clearly visible to the naked eye. .. 12
- 12 a Lamina LS secondary veins weak, not or slightly raised. *L. umbellata*
 - b Lamina LS secondary veins and often tertiary veins well developed and clearly raised. 13
- 13 a Petiole predominantly ≤5 mm (strong shoots excepted). *L. glauca*
 - b Petiole 5-10(-more) mm. 14
- 14 a Lamina base cuneate. *L. sericea*
 - b Lamina base rounded to cuneate. 15

- 15 a Lamina US pubescent (10x LENS). *L. melissifolia*
- b Lamina US glabrous, except glabrescent midvein (10x LENS). *L. reflexa*

Taxa treated in this identification key.

L. aggregata
L. angustifolia
L. benzoin
L. cercidifolia
L. chienii
L. communis
L. erythrocarpa
L. glauca
 - var. *salicifolia*
L. heterophylla
L. megaphylla
L. melissifolia

L. metcalfiana var. *dictyophylla*
L. nacusua
L. neesiana
L. obtusiloba
L. praecox
L. praetermissa
L. pulcherrima
L. reflexa
L. rubronervia
L. sericea
L. triloba
L. umbellata

Taxa referred to synonymy in this identification key.

L. populifolia = *Litsea populifolia*
L. salicifolia Hort. = *L. glauca* var. *salicifolia*
L. strychnifolia = *L. aggregata*

