

#### 4. LEYCESTERIA Wallich in Roxburgh, Fl. Ind. 2: 181. 1824.

鬼吹箫属 *gui chui xiao shu*

Shrubs, deciduous; branches hollow or with solid pith. Leaves simple, opposite, margin entire or serrate, occasionally sinuate; stipules present or absent. Inflorescence a spike or flowers in sessile whorls of 6, terminal or axillary, often with conspicuous leaflike involucral bracts. Sepals 5. Corolla 5-lobed, white, pink, purple-red, or orange-yellow, funnelform, regular; tube gibbous at base. Stamens 5; anthers dorsifixed. Ovary 5-, 7-, or 8-locular, with numerous ovules per locule; style long, slender; stigmas peltate or capitate. Fruit a berry, with persistent calyx; seeds minute, numerous.

Five species: Sino-Himalayan region; four species in China.

1a. Inflorescence a spike with flowers in pairs.

2a. Interpetiolar stipules absent; petioles 5–10 mm; ovary glabrous, usually 7- or 8-locular ..... 3. *L. gracilis*

2b. Interpetiolar stipules present; petioles 2–4 mm; ovary pubescent at anthesis, usually 5-locular ..... 4. *L. glaucophylla*

1b. Inflorescence with flowers in whorls of 6.

3a. Interpetiolar stipules absent; branches hollow; abaxial leaf surfaces, petioles, and inflorescences sparsely adpressed pubescent or subglabrous ..... 1. *L. formosa*

3b. Interpetiolar stipules present; branches with solid pith; abaxial leaf surfaces, petioles, and inflorescences densely lanate ..... 2. *L. stipulata*

**1. *Leycesteria formosa*** Wallich in Roxburgh, Fl. Ind. 2: 182. 1824.

鬼吹箫 *gui chui xiao*

*Leycesteria formosa* var. *brachysepala* Airy Shaw; *L. formosa* var. *glandulosissima* Airy Shaw; *L. formosa* var. *stenosepala* Rehder; *L. limprichtii* H. Winkler; *L. sinensis* Hemsley.

Shrubs, 1–5 m tall. Branches hollow, branchlets, petioles, peduncles, bracts, and sepals adpressed pubescent and sometimes glandular hairy. Petiole 5–15 mm; leaf blade ovate to lanceolate, 4–13 × 2–6 cm, both surfaces glabrescent to sparsely adpressed pubescent, base cuneate to subcordate, margin entire to dentate, occasionally irregularly sinuate, apex acuminate to caudate. Inflorescence terminal or axillary; peduncle 6–30 mm. Whorls 1–10, each whorl composed of 2 opposite sessile, 3-flowered cymes subtended by green, purplish, or purple-red leaflike involucral bracts and bracts; involucral pair of bracts up to 2.5 cm, 4 outer bracts narrower and shorter, 8 inner bracts very small. Ovary oblong, 3–4 mm, densely glandular hairy. Calyx shortly fused at base, sometimes to half way; lobes lanceolate to linear, sometimes deltoid, 1–9 mm. Corolla white to pink, sometimes purple-red, funnelform, 1.2–1.8 cm, outside pubescent; lobes orbicular-ovate, ca. 5 mm. Stamens subequaling corolla. Ovary 5-locular; style slightly exceeding corolla, glabrous. Berry red, turning black-purple, ovoid or subglobose, with persistent calyx, 5–7 mm in diam.; seeds minute, numerous, brownish, broadly ellipsoid to oblong, slightly compressed, ca. 1 mm. Fl. (May–)Jun–Sep(–Oct), fr. (Aug–)Sep–Oct.  $2n = 18$ .

Forests, forest margins, scrub; 1100–3500 m. W Guizhou, W Sichuan, Xizang, Yunnan [Bhutan, India, Kashmir, Myanmar, Nepal, Pakistan; widely cultivated and naturalized in Australia, Europe, North America, and Pacific islands (New Zealand)].

The name *Leycesteria sinensis* was published by Hemsley in Hooker's Icon. Pl. (27: t. 2633. 1900). It is based on a single specimen collected by Henry (9692c) in Yunnan (mountains north of Mengtze, 2130 m) and does not appear to have been collected since then. This

specimen has inflorescences with a single whorl, outer bracts broadly ovate, and calyx fused up to the middle with deltoid lobes; it falls within the variation of *L. formosa*.

**2. *Leycesteria stipulata*** (J. D. Hooker & Thomson) Fritsch in Engler & Prantl, Nat. Pflanzenfam. 4(4): 169. 1891.

绵毛鬼吹箫 *mian mao gui chui xiao*

*Lonicera stipulata* J. D. Hooker & Thomson, J. Proc. Linn. Soc., Bot. 2: 165. 1858; *Pentaptyxis stipulata* (J. D. Hooker & Thomson) J. D. Hooker ex C. B. Clarke.

Shrubs, ca. 3 m tall. Branches with solid pith. Branchlets, abaxial leaf surfaces, petioles, and inflorescences densely gray-white lanate. Interpetiolar stipules conspicuous, suborbicular, 6–20 mm, persistent. Petiole 5–10 mm; leaf blade shiny adaxially, oblong-lanceolate, 8–15 × 3.5–7 cm, glabrescent adaxially, venation reticulate, midvein and lateral veins raised abaxially, veins conspicuously impressed adaxially, base rounded, margin slightly involute, remotely dentate, apex acuminate to long acuminate. Inflorescences axillary, shortly pedunculate, with 1–3 whorls of opposite 3-flowered cymes and 14 leaflike bracts and bracteoles per whorl; involucral bracts orbicular-ovate to lanceolate, 3–5 mm, exceeding or as long as ovaries. Corolla white, ca. 1 cm, outside tomentose, inside glabrous. Style glabrous. Berry ca. 1.9 cm, lanate to glabrescent; seeds brownish yellow, ellipsoid or subglobose, ca. 1 mm. Fl. Mar–Apr, fr. Oct–Nov.

Broad-leaved forests, grassy places; 1300–2000 m. Yunnan [Bhutan, India, Myanmar].

**3. *Leycesteria gracilis*** (Kurz) Airy Shaw, Hooker's Icon. Pl. 32: t. 3166. 1932.

纤细鬼吹箫 *xian xi gui chui xiao*

*Lonicera gracilis* Kurz, J. Asiat. Soc. Bengal, Pt. 2, Nat. Hist. 39: 77. 1870.

Shrubs, 1.5–3 m tall. Branches hollow. Interpetiolar stipules absent; petiole 5–10 mm, glabrescent; leaf blade ovate-lan-

ceolate, 7–12 × 2.5–6.5 cm, abaxially glaucous, sparsely pubescent on midvein and lateral veins, adaxially glabrous, base rounded to subcordate, margin slightly involute, remotely dentate, apex acuminate to caudate. Inflorescence a ± pendent axillary pedunculate spike of paired flowers; pairs 2–6, with 3 bracts per flower; involucre bracts ovate-lanceolate or lanceolate, 1/3–1/2 as long as ovaries, glandular ciliate. Ovary 5–6 mm, with a short beak at apex. Sepals connate and shallowly cupular in lower part; lobes linear-lanceolate to lanceolate, 1.5–2 mm, often glandular ciliolate. Corolla white, funnelform, 1–2 cm, glabrous; lobes ovate to orbicular-ovate, 5–7 mm. Stamens slightly shorter than corolla. Ovary (5–)7- or 8(–10)-locular, with numerous ovules; style protruding from corolla. Berry red, turning blue-purple, oblong or ellipsoid, 1–1.3 cm; seeds numerous, subglobose, minute, ca. 1 mm in diam. Fl. (Sep–)Oct–Nov(–Dec), fr. (Mar–)Apr–May.

Forests, thickets; 2000–3800 m. Xizang, Yunnan [Bhutan, India, Myanmar, Nepal].

**4. *Leycesteria glaucophylla*** (J. D. Hooker & Thomson) C. B. Clarke in J. D. Hooker, Fl. Brit. India 3: 16. 1880.

西域鬼吹箫 xi yu gui chui xiao

*Lonicera glaucophylla* J. D. Hooker & Thomson, J. Proc. Linn. Soc., Bot. 2: 165. 1858; *Leycesteria glaucophylla* var. *thibetica* (H. J. Wang) J. F. Huang; *L. thibetica* H. J. Wang.

Shrubs, 1–2 m tall. Branches hollow. Interpetiolar stipules variously developed, reniform to suborbicular, 1–10 mm, abaxially densely pubescent; petiole 2–4 mm, pubescent; leaf blade ovate-lanceolate, 4–10 × 1–6 cm, abaxially densely gray-white pubescent, adaxially sparsely pubescent, base rounded, margin slightly involute, sparsely serrate, apex acuminate to caudate. Inflorescence a pedunculate spike of paired flowers; peduncle 5–20 mm, pairs 1 or 2, with 3 bracts per flower; 2 involucre bracts leaflike, ovate to lanceolate, 5–20 mm, as long as or longer than ovaries; bracts ovate. Ovary ca. 5 mm with a short beak at apex, densely long hairy, interspersed with shorter glandular hairs. Sepals shortly fused at base; lobes lanceolate, 4–7 mm. Corolla greenish or pale yellow to white, funnelform, 1–2 cm, outside hairy; lobes ovate, ca. 4 mm. Stamens slightly shorter than corolla; filaments hairy in lower half. Ovary 5-locular, with numerous ovules; style as long as corolla and hairy in lower half. Berry yellow-green, ovoid-ellipsoid, ca. 1.5 × 1 cm, long strigose and shortly glandular hairy, 5-locular; seeds numerous, yellowish brown, ovoid, small, ca. 1 mm. Fl. Mar–Sep, fr. May–Nov.

Margins of *Tsuga* forests; 1800–2600 m. SE Xizang [Bhutan, India, Myanmar, Nepal].

Fl. China 19: 618–620. 2011.