

30. BEAUMONTIA Wallich, Tent. Fl. Nepal. 14. 1824.

清明花属 qing ming hua shu

Lianas woody, robust, with latex. Leaves opposite, usually with petiolar glands. Inflorescences terminal or axillary cymes; bracteoles leafy, large. Flowers large, fragrant. Sepals free, bearing many basal glands inside; lobes leafy, large. Corolla white, funnelform, tube short or long, limb widely campanulate, throat not scaly, lobes overlapping to right. Stamens inserted at distal narrow portion of corolla tube; filaments arcuate, long, thickened distally; anthers sagittate, usually exerted, connivent, adherent to pistil head, cells spurred at base; disc ringlike, shallowly 5-lobed. Ovaries 2, connate, surrounded by disc; ovules numerous in each locule. Style long; pistil head fusiform. Follicles elongated, thick, hard. Seeds compressed, apex attenuate, coma silky; cotyledons leaflike or thick, radicle short.

Nine species: E and SE Asia, five species in China.

- 1a. Leaves densely pubescent abaxially; corolla tube 1–2.7 cm, lobes rounded at apex 1. *B. khasiana*
- 1b. Leaves pubescent abaxially when young, glabrous or glabrescent when older; corolla tube 4–13 cm, lobes acute or short acuminate at apex.
 - 2a. Corolla tube puberulent inside.
 - 3a. Sepals broadly elliptic or obovate, 3.5–5.3 × 2–3.3 cm; corolla ca. 12 cm in diam. 2. *B. brevītuba*
 - 3b. Sepals narrowly elliptic, 1.5–2.5 × 0.3–0.6 cm; corolla ca. 5 cm in diam. 3. *B. pitardii*
 - 2b. Corolla tube glabrous inside.
 - 4a. Corolla funnelform, limb attenuate at base; stamens white, filaments 3.2–6 cm 4. *B. grandiflora*
 - 4b. Corolla broadly campanulate, limb abruptly constricted at base; stamens yellow or orange, filaments 1.5–2.5 cm 5. *B. murtonii*

1. *Beaumontia khasiana* J. D. Hooker, Fl. Brit. India 3: 661. 1882.

云南清明花 yun nan qing ming hua

Beaumontia yunnanensis Tsiang & W. C. Chen.

Lianas to 15 m. Trunk stout; branches lenticellate, branchlets densely dark brown pubescent. Petiole 1–4 cm; leaf blade elliptic or obovate, 8–25 × 5–13.5 cm, sparsely puberulent or glabrescent adaxially, densely tomentose or velvety abaxially; midvein and lateral veins densely hairy. Cymes 13–20 cm, 9–13-flowered, densely pubescent; peduncle 6.5–12 cm. Pedicel 3.5–6 cm. Sepals narrowly ovate, 1–1.6 cm. Corolla white, tube 1–2.7 cm, cylindrical proximally, broadly campanulate distally; lobes broadly ovate, 2.5–4 cm, rounded at apex. Stamens exerted; filaments 2–3 cm. Ovary pubescent. Style 2–3 cm, pubescent. Fl. spring-summer.

Dense montane forests; 1500–1800 m. SW Yunnan (Longling, Cangyuan) [India, Myanmar].

2. *Beaumontia brevītuba* Oliver, Hooker's Icon. Pl. 16: t. 1582. 1887.

断肠花 duan chang hua

Lianas to 12 m. Branchlets pale yellow or gray, pubescent when young, glabrescent, lenticellate. Petiole 1–3 cm; leaf blade narrowly obovate, 7–25 × 3–11 cm, base cuneate, apex acuminate to cuspidate, glabrous or sometimes pubescent along veins or when young. Cymes 13.5–21.5 cm, 3–6-flowered, puberulent; peduncle to 4 cm. Pedicel to 6 cm. Sepals pale yellow, broadly elliptic or obovate, 3.5–5.5 × 2–3.2 cm, puberulent on both surfaces. Corolla white, ca. 12 cm in diam.; tube 6–8.5 cm, puberulent, cylindrical proximally, broadly obconical distally; lobes 4–5.5 × 3.5–5 cm, acute. Stamens exerted; filaments 5.5–6 cm; disc cup-shaped, apex

sparsely puberulent. Ovary tomentose. Style 5.5–7 cm, glabrous. Follicles oblong, to 16 × 4 cm. Seeds brown, oblong, ca. 1.5 cm, coma to 4 cm. Fl. spring-summer.

• Montane forests, thickets, river banks; 300–1000 m. Guangxi, Hainan.

The leaves and latex are poisonous.

3. *Beaumontia pitardii* Tsiang, Sunyatsenia 2: 160. 1934.

广西清明花 guang xi qing ming hua

Beaumontia campanulata Pitard, not K. Schumann.

Lianas to 10 m. Branchlets dark brown, densely to sparsely pubescent. Petiole 1.5–3 cm; leaf blade obovate or oblong, 10–21 × 5.5–12 cm, glabrous or densely hairy along veins adaxially, puberulent abaxially; lateral veins 11–14 pairs. Cymes 14–17 cm, 5–9-flowered, minutely tomentose; peduncle 1–2.5 cm. Flowers fragrant; pedicel 2–3 cm. Sepals narrowly elliptic, 1.5–2.5 cm × 3–6 mm, minutely tomentose on both sides. Corolla white, ca. 5 cm in diam.; tube 7–10 cm, cylindrical proximally, narrowly campanulate distally, puberulent on both surfaces; lobes broadly ovate, 2–3 cm, apex acute or acuminate. Stamens included; filaments 4.5–5 cm; disc cup-shaped. Ovary and style puberulent. Style 6–7 mm. Follicles oblong, ca. 29 × 3.5 cm. Seeds narrowly ellipsoid, 1.6–2.3 cm, coma ca. 5.5 cm. Fl. Mar-May.

Montane forests, valley brushwoods; 800–1500 m. SW Guangxi, S Yunnan [Vietnam].

4. *Beaumontia grandiflora* Wallich, Tent. Fl. Nepal. 15, t. 7. 1824.

清明花 qing ming hua

Echites grandiflora Roxburgh.

Lianas to 20 m. Bark corky; young branches rusty pubescent; branchlets dark brown, pubescent to glabrous. Petiole to 3 cm; leaf blade narrowly obovate or narrowly to broadly elliptic, 6–30 × 3.5–15 cm, sparsely to densely pubescent when young, glabrous when older; lateral veins 8–20 pairs. Cymes 12–25 cm, 3–19-flowered, sparsely to densely pubescent; peduncle 2.5–9 cm; bracts leafy, pale green. Pedicel 2.5–4.5 cm. Sepals pale green, 3–6 mm. Corolla white, creamy, or pale yellow, base pale green; tube funnellform, 6.5–13 cm, glabrous inside; limb ca. 10 cm in diam., attenuate at base, sparsely to densely pubescent outside, glabrous inside; lobes suborbicular to broadly ovate, 1.7–4 cm, apex acuminate. Stamens white; filaments 3.2–6 cm; anthers 1.5–1.7 cm, included; disc ringlike, apex sparsely puberulent. Ovary tomentose. Style 7–9 cm. Follicles usually narrowly ellipsoid, 22–31 × 5–6 cm. Seeds 1.5–2.5 cm, coma 4–7 cm. Fl. spring-summer. $2n = 24$.

Humid montane forests, valleys, river banks; 300–1500 m. SW Guangxi, S Yunnan; cultivated in Fujian, Guangdong [Bangladesh, Bhutan, India, Laos, Myanmar, Nepal, Thailand, Vietnam].

Cultivated as an ornamental. The young branches are used for making coarse ropes. The roots and leaves are used in the treatment of fractures, injury, and backache and leg pain caused by rheumatism.

5. *Beaumontia murtonii* Craib, Bull. Misc. Inform. Kew 1914: 282. 1914.

思茅清明花 si mao qing ming hua

Beaumontia fragrans Pierre ex Pitard.

Lianas evergreen, woody, to 20 cm. Branchlets pale gray or dark brown, sparsely to densely rusty pubescent when young, glabrous when older. Petiole 1–3 cm; leaf blade obovate, narrowly obovate, or broadly elliptic, 10–30 × 3.5–15 cm, glabrous to pubescent abaxially; lateral veins 11–18 pairs. Cymes 12–20 cm, 6–12-flowered, pubescent; peduncle 3–9 cm. Pedicel 3–5 cm. Sepals pale green, elliptic, 2.7–4.5 cm, sparsely pubescent on both surfaces. Corolla white, broadly campanulate; tube 4–6.5 cm, cylindric proximally, glabrous inside; limb ca. 5 × 5 cm, abruptly constricted at base; lobes ovate or tongue-shaped, 1.9–3 cm, apex acute. Stamens yellow or orange; filaments 1.5–2.5 cm. Ovary pubescent. Style to 4 cm, pubescent. Follicles oblong, 14–18 × 3–5 cm. Seeds narrowly ellipsoid, ca. 2 cm, coma 3–8 cm. Fl. spring-summer.

Mixed forests, montane thickets, river banks; 1000–1500 m. S Yunnan (Menghai) [Cambodia, Laos, Malaysia, Thailand, Vietnam].

The latex is used as an arrow poison.

