

5. FORMANODENDRON Nixon & Crepet, Amer. J. Bot. 76: 840. 1989.

三棱栎属 san leng li shu

Trees. Winter buds ovoid; scales imbricate. Stipules free. Leaves alternate. Inflorescences axillary, male, female, or androgynous. Male inflorescences borne on basal part of branches, initially erect then becoming ± pendulous and flexuous; flowers in fascicles of (1–)3–7, each cluster subtended by 1 bract and 2 bractlets; perianth basally connate, imbricate, 6-lobed; stamens 6 and opposite to lobes, anthers ± basifixed but not versatile. Female or androgynous inflorescences erect, borne on apical part of branches. Female flowers solitary or in fascicles of 3–7, subtended by 3–5 bracts; perianth imbricate, lobes 6 and adnate to ovary; staminodes 6, morphologically similar to stamens and often appearing fertile; ovary 3-loculed; styles 3, curved; stigma capitate. Cupules splitting into 3–5 valves; bracts scalelike, transversely arranged. Nuts 1–3(–7) per cupule, prismatic, apex with persistent perianth and styles; pericarp winged; endocarp tomentose. Germination epigeal.

One species: China, Thailand.

1. Formanodendron doichangensis (A. Camus) Nixon & Crepet, Amer. J. Bot. 76: 840. 1989.

三棱栎 san leng li

Quercus doichangensis A. Camus, Bull. Soc. Bot. France 80: 355. 1933; *Trigonobalanus doichangensis* (A. Camus) Forman.

Trees to 21 m tall. Young branchlets rust-colored pubescent but dark brown with age. Stipules triangular, pubescent; scar not clear. Petiole 5–12 mm; leaf blade elliptic to ovate-elliptic, 7–12.5(–18) × 3–6 cm, leathery, densely with rust-colored stellate hairs when young but soon glabrescent, base attenuate, margin entire, apex obtuse to retuse; secondary veins 8–11 on each side of midvein. Male inflorescences 8–14 cm, rust-colored tomentose; stamens ca. 2.5 mm, glabrous, anthers ca. 0.8 mm. Female inflorescences spiciform, 8–10 cm. Stalk of cupule ca. 2 mm. Nut 3-winged, broadly ovate, ca. 5 × 4–5 mm; exocarp rust-colored tomentose; scar triangular, ca. 1.5 mm. Fl. Nov, fr. Mar.

Broad-leaved evergreen forests; 1000–1600(–1900) m. S to SW Yunnan [N Thailand].

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