

**38. CEPHALOMAPPA** Baillon, *Adansonia* 11: 130. 1874.

肥牛树属 *fei niu shu shu*

Qiu Huaxing (丘华兴 *Chiu Hua-hsing*, *Kiu Hua-shing*, *Kiu Hua-xing*); Michael G. Gilbert

*Muricococcum* Chun & F. C. How.

Trees, monoecious; indumentum with simple hairs and usually scales and stellate hairs. Leaves alternate; stipules small, soon lost; petiole base and apex swollen; leaf blade abaxially hairy or glabrous, with 1–4 glands at base, adaxially glabrous or nearly so, margin entire to crenate or dentate; venation pinnate. Inflorescences axillary, usually few branched, bisexual, male flowers in mostly terminal clusters, female flowers 1 to few at base. Male flowers: calyx lobes 2 or 3(–5), valvate; petals absent; disk absent; stamens 2–5; filaments connate at base; anthers 2-locular, dorsifixed; pistillode small, columnar. Female flowers: sepals 5 and joined, or 8 and free, imbricate, caducous; petals absent; disk absent; ovary 3- or 4-locular, ± spiny; styles terete, connate below; stigmas 3 or 4, 2- to many lobed, papillose. Fruit a capsule, deeply lobed, muricate or verrucose. Seeds subglobose, smooth, marbled; aril and caruncle absent.

About five species: tropical regions in SE Asia; one species in China.

**1. *Cephalomappa sinensis*** (Chun & F. C. How) Kostermans, *Reinwardtia* 5: 413. 1961.

肥牛树 *fei niu shu*

*Muricococcum sinense* Chun & F. C. How, *Acta Phytotax. Sin.* 5: 15. 1956.

Trees, to 25 m tall. Branchlets pubescent when young, glabrescent. Stipules lanceolate, 1–2 mm; petiole 3–5 mm, pubescent; leaf blade elliptic or oblong-obovate, 6–15 × 3–9 cm, leathery, base broadly cuneate, with 2 small glands, margin repand or remotely serrulate, purplish, apex acuminate; lateral veins 5 or 6 pairs. Inflorescences unbranched or with 1 or 2 short

branches, 1.5–2.5 cm; peduncle short, pubescent, with 1–3 female flowers and 1–3 9–13-flowered male glomerules. Male flowers subsessile; calyx lobes 3 or 4, ca. 3.5 mm, glabrous; stamens (3 or)4(or 8); filaments ca. 3 mm, base connate; pistillode columnar, 2-lobed. Female flowers: calyx deeply 5-lobed, ca. 2.5 mm; ovary globose, muricate; styles basally connate, upper part spreading, 2-lobed. Fruiting pedicel 2–3 mm; capsule 3-locular, ca. 1.5 cm in diam., densely prismatic muricate-echinate. Seeds subglobose, ca. 8 mm in diam., brownish marbled. Fl. Mar–Apr, fr. May–Jul.

Forests on limestone; 100–500 m. E and SE Guangxi, S Yunnan [N Vietnam].

Fl. China 11: 250. 2008.