

4. **EBERHARDTIA** Lecomte, Bull. Mus. Natl. Hist. Nat. 26: 345. 1920.

梭子果属 suo zi guo shu

Trees evergreen. Leaves alternate; stipules early deciduous leaving distinct scars. Flowers axillary, fascicled, rust colored tomentose. Sepals (2-)4 or 5(or 6), imbricate. Corolla tubular, 5-merous; lobes linear, thick, each with 2 membranous appendages on back. Stamens 5, opposite to corolla lobes; staminodes 5, alternate with petal, thick, longer than stamens, abortive anther sagittate, margin irregularly denticulate. Ovary 5-locular. Style short. Fruit drupaceous with remnant of style at apex, globose, glabrous or tomentose, 1-5-seeded. Seed scar oblong; endosperm oily.

About three species: Laos, Vietnam; two species in China.

The seeds of all species are rich in oil.

- 1a. Branchlets and petioles densely tomentose; leaf blade base broadly cuneate; stipe of fruit ca. 1 cm; fruit 2.5-3.5 cm 1. *E. aurata*
- 1b. Branchlets and petioles sparsely tomentose; leaf blade base narrowly cuneate; stipe of fruit ca. 1.5 cm; fruit 4-4.5 cm 2. *E. tonkinensis*

1. *Eberhardtia aurata* (Pierre ex Dubard) Lecomte, Bull. Mus. Natl. Hist. Nat. 26: 348. 1920.

锈毛梭子果 xiu mao suo zi guo

Planchonella aurata Pierre in Dubard, Notul. Syst. (Paris) 2: 134. 1911.

Trees 7-15 m tall. Trunk 20-40 cm d.b.h., bark dark gray. Branchlets rust colored tomentose. Petiole 2-3.5 cm, densely rust colored tomentose; leaf blade oblong, obovate-oblong, or elliptic, 12-24 × 4.5-9.5 cm, subleathery, abaxially densely rust colored tomentose, adaxially glabrous, base cuneate to subrounded, apex abruptly acuminate; lateral veins 16-23 pairs. Flowers aromatic. Pedicel rust colored tomentose. Sepals 2 or 3(or 4), 5-7 × 2-3 mm, outside rust colored tomentose, inside gray tomentose. Corolla white, glabrous, lobes 2-3 mm; appendages 4-5 mm, petal-like. Stamens ca. 2 mm; staminodes ca. 3 mm. Ovary gray tomentose. Fruit with persistent calyx, subglobose, 2.5-3.5 cm, 5-ribbed, 3-5-seeded, rust colored tomentose; stipe ca. 1 cm. Seeds flat, 2-2.3 × 1-1.5 cm, shiny; scar from adaxial side extended to end. Fl. Mar, fr. Feb-Dec.

Evergreen forests or mixed forests; 700-1300 m. Guangdong, Guangxi, Yunnan [N Vietnam].

The seed oil is edible or used for making soap, and the timber is of high quality.

2. *Eberhardtia tonkinensis* Lecomte, Bull. Mus. Natl. Hist. Nat. 26: 346. 1920.

梭子果 suo zi guo

Trees 8-20(-25) m tall. Trunk 20-40 cm d.b.h., bark brown. Branchlets sparsely reddish sericeous tomentose when young, glabrescent. Stipules triangular, ca. 1 cm, tomentose; petiole 2-4 mm thick; leaf blade elliptic, oblong, or obovate, 15-30 × 7-12 cm, subleathery, shiny, tomentose when young, reddish sericeous tomentose only adaxially when mature, base cuneate, apex acute to acuminate; lateral veins 16-25 pairs. Pedicel ca. 4 mm, rust colored tomentose. Sepals (2-) 4(or 5), oblong, ca. 6 × 2 mm, outside rust colored tomentose, inside glabrous. Corolla 3-3.5 mm, lobes 2-2.5 mm; appendages petal-like, 3.5-4 mm. Filaments thick, enlarged at base; staminodes enlarged at base. Ovary glabrous. Style 1.5-2 mm. Fruit globose to ovoid, 4-4.5 cm, greenish brown to brown, 5-

seeded, rust colored tomentose, ribbed; stipe 1.2-1.5 cm; persistent sepals triangular, ca. 6 mm. Seeds flat, shiny, 3.5-4 × 2-2.3 cm; scar at adaxial side.

Forests; 400-1800 m. SE Yunnan [Laos, Vietnam].

