

9. **WALSURA** Roxburgh, Fl. Ind., ed. 1832, 2: 386. 1832.

割舌树属 *ge she shu shu*

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Trees, sometimes small. Leaves in spirals, odd-pinnate or occasionally a single leaflet (sometimes in *Walsura pinnata*); leaflets opposite; petiolule bases inflated and jointlike; leaflet blades abaxially pale, margin entire. Thyrses axillary or subterminal. Flowers bisexual or occasionally only male, small. Calyx short, 5-lobed or with 5 distinct sepals, imbricate in bud. Petals 5, much longer than calyx, distinct, broad and expanding, valvate or imbricate in bud. Stamens 10; filaments flat, broad, usually basally connate into a tube or sometimes distinct, shorter than petals; anthers introrse, inserted on apex or between 2 lobes of filament. Disk annular, fleshy. Ovary short, apical part covered with short hard trichomes, 2- or 3-locular, with 2 ovules per locule, all or only base surrounded by disk; style almost as long as ovary; stigma disciform or conic, tip 2- or 3-cleft. Fruit a berry [rarely a capsule], pubescent, usually 1(or 2)-locular. Seeds 1 or 2 per locule, arillate; endosperm absent; cotyledons connate.

About 16 species: tropical Asia; two species in China.

- 1a. Leaflets adaxially white-dotted with glaucous patches; filaments distinct or only basally connate 1. *W. robusta*
1b. Leaflets adaxially with a continuous glaucous surface; filaments connate for \pm half their length into a tube 2. *W. pinnata*

1. **Walsura robusta** Roxburgh, Fl. Ind., ed. 1832, 2: 386. 1832.

割舌树 *ge she shu*

Trees 10–25 m tall. Branches brown, with lenticels, glabrous. Leaves 15–30 cm; petioles 2.5–8 cm; leaflets 3 or 5, opposite; petiolules 0.5–2 cm, both ends inflated, with joints; leaflet blades oblong, elliptic, or lanceolate, lateral ones 5–14 \times 1.5–5 cm, terminal ones 7–16 \times 3–7 cm, papery to thinly leathery, both surfaces glabrous, adaxially lustrous, secondary veins 5–8 on each side of midvein and \pm prominent on both surfaces, base cuneate, apex acuminate. Thyrses 8–17 cm, sparsely pubescent. Flowers 4–6 mm, pedicellate. Calyx short, outside pubescent; lobes ovate, apex acute. Petals white, oblong to elliptic, 3–4 mm, broad, slightly imbricate in bud, outside pubescent, apex acuminate to obtuse. Stamen filament base or basal to middle part connate into a tube, inside apically covered with short hard trichomes, apex acuminate and not lobed; anthers yellow, ovoid, inserted on tips of filaments. Disk red, cup-shaped, outside glabrous, inside pubescent. Ovary oblate, 2-locular, apically covered with trichomes; style cylindrical; stigma disciform, tip not divergent. Berry globose to ovoid, 1–2 cm in diam., densely covered with yellowish gray trichomes. Seeds 1 or 2. Fl. Feb–Mar, fr. Apr–Jun.

Sparse or dense forests in hilly regions. W Guangxi, Hainan, S Yunnan [Bangladesh, Bhutan, India, Laos, Malaysia, Myanmar, Thailand, Vietnam].

2. **Walsura pinnata** Hasskarl, Retzia 1: 147. 1855.

越南割舌树 *yue nan ge she shu*

Heynea cochinchinensis Baillon; *Walsura cochinchinensis* (Baillon) Harms; *W. yunnanensis* C. Y. Wu.

Shrubs to small trees, 1–4(–8) m tall. Bark grayish brown, with pale lenticels. Stem stout; branches many. Leaves odd-pinnate or reduced to a single leaflet, 15–20(–30) cm; petiole 1–7(–9) cm, ribbed; leaflets 1 or 3(or 5), opposite; petiolules of lateral leaflet blades 0.5–1.5 cm but terminal one 2–3.5 cm, with joints; leaflet blades ovate, ovate-lanceolate, or elliptic, (10–)14–18 \times (3–)5–7 cm but terminal one largest, thickly papery to leathery, both surfaces glabrous, abaxially greenish white, adaxially green and lustrous, secondary veins 8–11 on each side of midvein and abaxially prominent, base attenuate to broadly cuneate, apex acuminate to acute. Panicles 1–6 cm, pubescent. Flowers 4–5 mm. Pedicel thin and slightly shorter than flowers. Calyx lobes triangular, outside pubescent, apex acuminate. Petals white, oblong to narrowly oblong, ca. 5 mm, abaxially pubescent, apex acute to acuminate. Stamen filaments broad, basal to middle part connate into a tube, \pm pubescent, tip 2-lobed; anthers ovoid, inserted between 2 lobes of filament apex, apex acute. Disk red, cup-shaped to annular, glabrous. Ovary globose to oblate, flat, 2-locular, covered with thick trichomes; style cylindrical; stigma disciform, tip 2-cleft. Berry globose to ovoid, ca. 1.5 cm in diam., densely covered with yellowish gray trichomes, with 1 or 2 seeds; exocarp thin; endocarp hard and leathery. Fl. Feb–Jul, fr. Jun–Dec.

Sparse or dense forests in hilly regions; 900–1000 m. S Guangxi, S Hainan, S Yunnan (Xishuangbanna) [Cambodia, Indonesia, Laos, Malaysia, Myanmar, Philippines, Thailand, Vietnam].

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