

38. SAMANEA (Benth) Merrill, J. Wash. Acad. Sci. 6: 46. 1916.

雨树属 *yu shu shu*

Pithecellobium sect. *Samanea* Benth, London J. Bot. 3: 197, 215. 1844.

Trees, large, unarmed, with spreading crown. Leaves bipinnate; stipules deciduous, lanceolate; pinnae 3–6 pairs, with glands between pinnae on rachis; leaflets opposite. Inflorescences axillary corymbs, pedunculate; bracts small. Flowers dimorphic; central flowers enlarged, 7- or 8-merous; marginal flowers smaller, 5-merous. Calyx shortly lobed. Petals connate to middle. Stamens many, united at base into a tube; anthers not glandular. Ovary sessile; style filiform; ovules many. Legume straight or slightly curved, turgid with thickened margins, woody, indehiscent, septate between seeds. Seeds numerous, strongly biconvex, with pleurogram; aril absent.

Three species: mainly around the Amazon and in Central America; one species (introduced) in China.

1. *Samanea saman* (Jacquin) Merrill, J. Wash. Acad. Sci. 6: 47. 1916.

雨树 *yu shu*

Mimosa saman Jacquin, Fragm. Bot. 15. 1800; *Albizia saman* (Jacquin) F. Mueller; *Enterolobium saman* (Jacquin) Prain; *Pithecellobium saman* (Jacquin) Benth.

Trees, 10–25 m tall. Branchlets puberulent to tomentose. Petiole 15–40 cm; pinnae 3–5(or 6) pairs, to 15 cm; glands at junctions of pinnae and leaflets; leaflets 3–8 pairs per pinna, asymmetrically oblong, 2–4 × 1–1.8 cm, abaxially pubescent, adaxially shiny, base half rounded, apex rounded

or obtuse, often emarginate and mucronulate. Heads 1–5, together axillary, 5–6 cm in diam.; peduncles 5–6 cm. Marginal flowers pedicellate; calyx funnel-shaped, ca. 6 mm; corolla red or yellowish red, ca. 1.2 cm; stamens white at base, purple toward apex, ca. 3.5 cm; staminal tube shorter than corolla tube. Central flowers sessile; corolla to 1.2 cm; staminal tube longer than corolla. Legume black, oblong, compressed, 10–20 × 1.2–2.5 cm, sutures thickened, septate between seeds. Seeds brown, ellipsoidal, ca. 8 × 5 mm. Fl. Aug–Sep, fr. Dec.

Cultivated in Hainan, Taiwan, Yunnan [native to N part of tropical South America; planted throughout the tropics].

