

20. ALLAMANDA Linnaeus, Mant. Pl. 2: 146. 1771.

黄蝉属 *huang chan shu*

Shrubs erect or trailing. Leaves whorled, with axillary glands. Flowers large, in terminal or seemingly axillary corymbs. Calyx deeply divided, without basal glands. Corolla yellow, funnelform, narrow part with fringed scales, limb campanulate, lobes overlapping to left. Stamens inserted at narrow part of corolla; filaments very short; anthers narrowly oblong, base rounded, coherent with pistil head; disc cup-shaped, obscurely 5-lobed or entire, fleshy, thick. Ovary 1-loculed, with two parietal placentae; ovules numerous. Style filiform; pistil head thick, with a membranous, reflexed rim, apex conical, shortly 2-lobed. Capsules globose, glabrous, sharply spiny, 2-valved. Seeds numerous, imbricate, compressed, winged or with a membranous margin; radicle short.

Fourteen species: tropical America, two cultivated in China.

- 1a. Erect shrubs with clear sap; lateral veins elevated on abaxial leaf surface; corolla tube ca. 3 cm, distinctly swollen at base 1. *A. schottii*
1b. Climbing shrubs with white latex; lateral veins flattened on abaxial leaf surface; corolla tube 4–8 cm, not swollen at base 2. *A. cathartica*

1. *Allamanda schottii* Pohl, Pl. Bras. Icon. Descr. 1: 73. 1827.

黄蝉 *huang chan*

Allamanda neriifolia Hooker.

Shrubs erect, to 2 m tall, with clear sap. Leaves in whorls of 3–5, subsessile; leaf blade elliptic or narrowly obovate, 5–14 × 2–4 cm, minutely hispid along veins; lateral veins elevated on abaxial surface. Flowers 4–6 cm. Corolla tube rather narrowly funnelform, ca. 3 cm, distinctly swollen at base, limb ca. 4 cm in diam.; lobes pale yellow, ovate or orbicular, ca. 2 cm, obtuse. Capsules globose, ca. 3 cm in diam., long spiny. Seeds ca. 2 × 1.5 cm. Fl. May–Aug, fr. Oct–Dec. $2n = 18$.

Fujian, Guangdong, Guangxi, Hainan, Taiwan [introduced from Brazil].

Cultivated for medicine and as an ornamental.

2. *Allamanda cathartica* Linnaeus, Mant. Pl. 2: 214. 1771.

软枝黄蝉 *ruan zhi huang chan*

Allamanda hendersonii Bulliard ex Dombrain; *A. cathartica* var. *hendersonii* (Bulliard ex Dombrain) L. H. Bailey & Raffle.

Shrubs trailing, to 4 m, with white latex. Stems glabrous. Leaves opposite or in whorls of 3–5; petiole ca. 5 mm; leaf blade obovate, narrowly obovate, or oblong, 6–15 × 4–5 cm, glabrous or villous along veins on abaxial surface, lateral veins flattened. Peduncle short. Flowers 7–14 cm. Corolla yellow; tube 4–8 cm, funnelform, cylindric in proximal half, campanulate in distal half, limb 9–14 cm in diam.; lobes obovate-truncate to orbicular. Capsules subglobose, 3–7 × 3–5 cm, with spines to 1 cm. Seeds compressed, winged or with a membranous margin. Fl. spring–summer. $2n = 18$.

Fujian, Guangdong, Guangxi, Hainan, Taiwan [native to South America].

Cultivated for medicine.

