

5. PHYSOCARPUS (Cambessèdes) Rafinesque, New Fl. 3: 73. 1838, nom. et orth. cons.

风箱果属 feng xiang guo shu

Gu Cuizhi (谷粹芝 Ku Tsue-chih); Crinan Alexander

Spiraea Linnaeus sect. *Physocarpus* Cambessèdes, Ann. Sci. Nat. (Paris) 1: 239, 385. 1824.

Shrubs deciduous. Branches spreading; buds small, with several alternate, exposed scales. Leaves alternate; stipules caducous; leaf blade usually 3-veined, margin usually 3-lobed, serrate. Inflorescence a terminal corymb. Flowers bisexual. Hypanthium cupular. Sepals 5, valvate. Petals 5, white or pinkish, slightly longer than sepals. Stamens 20–40. Carpels 1–5, connate at base; ovary 1-loculed. Follicles inflated, dehiscent along both sutures. Seeds 2–5.

About 20 species: mostly in North America, also in NE Asia; one species in China.

1. *Physocarpus amurensis* (Maximowicz) Maximowicz, Trudy Imp. S.-Peterburgsk. Bot. Sada 6: 221. 1879.

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Spiraea amurensis Maximowicz, Mém. Acad. Imp. Sci. St.-Pétersbourg Divers Savans 9: 90. 1859; *Opulaster amurensis* (Maximowicz) Kuntze.

Shrubs to 3 m tall. Branchlets slightly curved, terete, glabrous or subglabrous; buds ovoid, pubescent. Stipules caducous, linear-lanceolate, 6–7 mm, glabrous or subglabrous, margin serrate; petiole 1.2–2.5 cm, sparsely pubescent or subglabrous; leaf blade triangular-ovate to broadly ovate, 3.5–5.5 × 3–5 cm, abaxially stellate hairy and pubescent, densely so on

veins, base cordate or subcordate, rarely truncate, margin 3(–5)-lobed, doubly serrate, apex acute or acuminate. Corymb 3–4 cm in diam., many flowered, most parts sparsely stellate pubescent to stellate tomentose; peduncle glabrescent; bracts lanceolate, serrate at apex, caducous. Flowers 8–13 mm in diam.; pedicel 1–1.8 cm. Sepals triangular, 3–4 × ca. 2 mm, margin entire, apex acute. Petals white, obovate, ca. 4 × 2 mm, apex obtuse. Stamens 20–30. Carpels 2–4; style terminal. Follicles ovoid, 9–10 mm, glabrescent; fruiting pedicel 1–1.8 cm, glabrescent. Seeds 2–4. Fl. Jun, fr. Jul–Aug.

Broad-leaved forest margins, valleys. NE Hebei (Chengde, Wuling Shan), S Heilongjiang (Mao'ershan) [N Korea, Russia (Far East)].

