

20. SPERANSKIA Baillon, Étude Euphorb. 388. 1858.

地构叶属 di gou ye shu

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Herbs, monoecious; indumentum of simple hairs. Leaves alternate; stipules small, deciduous; leaf blade simple, venation pinnate. Inflorescences terminal, racemelike thyrses, bisexual, male flowers distal, female flowers proximal; bracts often ovate. Male flowers: sepals 5, valvate, closed in bud; petals 5; disk 5-dissected; stamens 10–15; filaments free; anthers 2-locular; pistillode absent. Female flowers: sepals 5, valvate; petals 5 or absent; disk annular; ovary 3-locular, verrucose, sometimes smooth, pilose; style free, 2-lobed, stigmatic surface plumose-lacerate; ovules 1 per locule. Fruit a capsule, 3-locular. Seeds globose.

- Two species: China.

- 1a. Leaf blade margins usually incised-dentate or lobulate, petiole less than 5 mm; female petals present, ovary and capsule sparsely verrucose 1. *S. tuberculata*
1b. Leaf blade margins usually coarsely crenate, petiole 10–35 mm; female petals absent, ovary and capsule densely tuberculate 2. *S. cantonensis*

1. *Speranskia tuberculata* (Bunge) Baillon, Étude Euphorb. 389. 1858.

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Croton tuberculatus Bunge, Enum. Pl. China Bor. 60. 1833; *Argyrothamnia tuberculata* (Bunge) Müller Argoviensis; *Speranskia pekinensis* Pax & K. Hoffmann; *S. tuberculata* var. *pekinensis* (Pax & K. Hoffmann) Hurusawa.

Perennial herbs, 25–50 cm tall, few branched; stems appressed pubescent. Stipules ovate-lanceolate, ca. 1.5 mm; petiole 1–4 mm; leaf blade lanceolate to ovate-lanceolate, 1.5–5.5 × 0.5–2.5 cm, papery, abaxially pubescent or pilose along veins, adaxially pilose, base broadly cuneate or obtuse, margin crenate or incised-dentate, apex acuminate, rarely acute. Inflorescence 6–15 cm, pubescent; bracts ovate or ovate-lanceolate, 1.5–3 mm. Male flowers 2–4 per bract; pedicels ca. 1 mm; sepal ovate, ca. 1.5 mm; petals orbicular-obovate or obcordate, ca. 0.5 mm; stamens 8–15; filaments pilose; disk glands 5. Female flowers 1 or 2 per bract, sometimes with 1 or 2 male flowers; sepals ovate-lanceolate, ca. 1.5 mm, pubescent; petals orbicular-obovate or obovate, ca. 0.5 mm; ovary pubescent, verrucose; styles 3, short, 2-lobed, plumose-lacerate. Fruiting pedicels 3–5 mm; capsule 3-lobed, ca. 6 mm in diam., usually sparsely verrucose and pilose. Seeds ovoid, 2–2.5 mm, brownish. Fl. and fr. May–Sep.

- Grassy slopes, grasslands, thickets, usually in dry places; 300–1900 m. Anhui, Gansu, Hebei, Henan, Jilin, Liaoning, Nei Mongol, Ningxia, Shaanxi, Shandong, Shanxi, Sichuan.

2. *Speranskia cantonensis* (Hance) Pax & K. Hoffmann in Engler, Pflanzenr. 57(IV.147.VI): 15. 1912.

广东地构叶 guang dong di gou ye

Argyrothamnia cantonensis Hance, J. Bot. 16: 14. 1878; *Mercurialis acanthocarpa* H. Léveillé; *Speranskia henryi* Oliver; *S. yunnanensis* S. M. Hwang.

Perennial herbs, 50–70(–100) cm tall, few branched; branchlets appressed pubescent. Stipules lanceolate, ca. 0.5 mm, often absent; petiole 1–3.5 cm; leaf blade ovate, broadly elliptic, or ovate-lanceolate to lanceolate, 2–9 × 1–4 cm, papery, abaxially pubescent or pilose along veins, adaxially pilose, base broadly cuneate to obtuse, margin coarsely crenate or dentate, apex acute, sometimes acuminate. Inflorescence 4–8 cm, infructescence 10–12 cm, pubescent; bracts ovate, ovate-lanceolate, or lanceolate, 1–3 mm, pilose. Male flowers 1–3 per bract; pedicels 1–2 mm; sepals ovate, ca. 1.5 mm, pilose; petals obovate or obcordate, ca. 1 mm; disk glands 5; stamens 10(–12); filaments glabrous. Female flowers 1 per bract; sepals ovate-lanceolate, 1–1.5 mm, pilose; petals absent; disk annular, sinuate; ovary densely tuberculate and pilose; styles ca. 1.5 mm, deeply 2-lobed, plumose-lacerate. Fruiting pedicels 5–6 mm; capsule 3-lobed, 6–7 mm in diam., pilose, usually tuberculate. Seeds globose, ca. 2 mm in diam., brownish. Fl. Feb–Jul, fr. May–Dec.

- Grassy slopes or mountain thickets, usually on limestone; 200–1000(–2600) m. N Guangdong, Guangxi, Guizhou, Hebei, Hubei, Hunan, Jiangxi, S Shaanxi, S Shanxi, Sichuan, Yunnan.

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