

**52. ROTHIA** Persoon, Syn. Pl. 2: 638, [659]. 1807, nom. cons., not Schreber (1791), nor Lamarck (1792), nor Borkhausen (1792).

落地豆属 *luo di dou shu*

Li Jianqiang (李建强); Roger M. Polhill, Michael G. Gilbert

*Dillwynia* Roth (1806), not Smith (1805); *Goetzea* Reichenbach; *Westonia* Sprengel.

Herbs, annual, ± prostrate. Stipules distinct, sometimes solitary. Leaves digitately 3-foliolate, usually petiolate. Inflorescences terminal or leaf-opposed but often appearing axillary, racemose, few flowered, shortly pedunculate to almost sessile; bracts and bracteoles inconspicuous. Calyx cuplike; tube membranous; lobes 5, subequal, with dorsal pair somewhat curved. Corolla shorter than calyx; standard ovate or oblong, with a linear claw; wings and keel ± as long as standard; keel rounded at apex. Stamens 10, connate into a dorsally split sheath; anthers uniform. Ovary sessile; ovules many; style straight. Legume sessile, ± oblong or linear, ± inflated or slightly compressed, many seeded. Seeds strongly curved; funicle ± as long as seed.

Two species: one in Asia, one in the drier regions of Africa; one species in China.

**1. *Rothia indica*** (Linnaeus) Druce, Rep. Bot. Exch. Club Soc. Brit. Isles 3: 423. 1914.

落地豆 *luo di dou*

*Trigonella indica* Linnaeus, Sp. Pl. 2: 778. 1753; *Dillwynia trifoliata* Roth; *Rothia trifoliata* (Roth) Persoon; *Westonia humifusa* Sprengel, nom. illeg. superfl.; *W. indica* (Linnaeus) Kuntze.

Herbs, annual, ascending, to 25 cm. Stems adpressed-pilose. Stipules lanceolate, ca. 4 × 1.5 mm. Petiole ca. 7 mm; petiolules to 1 mm; leaflet blades oblanceolate, 1–2.2 × 0.4–0.8 cm, both surfaces adpressed pilose, base cuneate, apex rounded

to broadly acute. Inflorescences leaf-opposed or extra-axillary, 1–3-flowered, congested; bracts filiform, ca. 1.5 mm; peduncle 0–2.5 mm. Pedicel ca. 1.5 mm. Calyx obconical, 4–6 mm, divided to slightly below middle; lobes triangular, apex acuminate. Corolla yellow, exerted from calyx; standard oblong-orbicular, 5.5–6.5 mm, abaxially pilose along midline; wings oblong, slightly shorter than standard; keel ± as long as standard. Legume narrowly oblong, 3.5–5.5 × ca. 0.2 cm, straight, slightly compressed, more than 20-seeded, adpressed pubescent. Seeds brown, D-shaped, ca. 1.3 mm, smooth. Fl. and fr. Mar–Jun.

Sandy areas; near sea level. Guangdong, Hainan [India, Indonesia, Laos, Malaysia, Sri Lanka, Thailand, Vietnam; N Australia].

