

7. HELONIOPSIS A. Gray, Mem. Amer. Acad. Arts, ser. 2, 6: 416. 1858, nom. cons.

胡麻花属 hu ma hua shu

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Hexonix Rafinesque, nom. rej.; *Kozola* Rafinesque, nom. rej.; *Sugerokia* Miquel.

Herbs perennial, with a short, thickened rhizome, glabrous. Leaves basal, rosulate, narrowly oblong to oblanceolate or obovate, proximally gradually narrowed to a petiole, evergreen, margin smooth, sometimes minutely undulate. Scape arising from center of leaf rosette, erect, simple, hollow, with 2–8 scale leaves. Inflorescence a terminal umbel or umbel-like raceme, 1–10-flowered; bract usually absent. Flowers bisexual, usually slightly nodding at anthesis, ascending in fruit, spreading funnelform. Tepals 6, free, spatulate or linear-oblanceolate to oblong, adaxially often with a deep pocket of a nectary gland at base, persistent. Stamens 6, often adnate basally to tepals, sometimes free, always free from ovary, usually exserted, rarely included; anthers lanceolate, dorsifixed, extrorse to latrorse, sometimes with locules confluent at apex. Ovary superior, 3-loculed; ovules 60–180 per locule. Style 1, slender, rather long; stigma capitate. Fruit a capsule, 3-lobed, loculicidal. Seeds small, linear, both ends caudate.

Five species: China, Japan, Korea; one species (endemic) in China.

Tanaka (J. Jap. Bot. 73: 102–115. 1998) reduced *Heloniopsis* and *Ypsilandra* to synonymy under *Helonias*. However, a recent molecular phylogenetic study by Fuse and Tamura (Plant Biol. 2: 1–13. 2000) confirmed that *Helonias*, *Heloniopsis*, and *Ypsilandra* are not mixed with each other, and they each deserve independent generic status.

1. *Heloniopsis umbellata* Baker, J. Bot. 12: 278. 1874.

胡麻花 hu ma hua

Helonias umbellata (Baker) N. Tanaka; *Heloniopsis acutifolia* Hayata; *H. arisanensis* Hayata ex Honda; *H. taiwaniana* S. S. Ying; *Sugerokia acutifolia* (Hayata) Koidzumi; *S. arisanensis* (Hayata ex Honda) Koidzumi; *S. umbellata* (Baker) Koidzumi.

Leaves basal; petiole 0.5–2 cm; leaf blade oblanceolate to obovate, 1.5–14 × 0.6–2.2 cm, margin usually slightly undulate, apex acute to shortly caudate. Scape 4–20 cm; cauline, scale leaves 4–6, lanceolate to oblong, 6–10 mm. Inflorescence often umbellate, sometimes umbellate-racemose, 3–10-flowered. Pedicel 5–11(–20) mm. Tepals white tinged with pink, linear-oblanceolate, 6–13 × 2–3 mm. Stamens free, slightly exserted; filaments purplish; anthers ca. 2 mm. Style filiform, 0.8–1 mm. Fl. Jan–Apr. $2n = 34^*$.

- Moist rocks; 700–2500 m. Taiwan.

