

22. CLINTONIA Rafinesque, Amer. Monthly Mag. & Crit. Rev. 2: 266. 1818.

七筋菇属 *qi jin gu shu*

Chen Xinqi (陈心启 *Chen Sing-chi*); Minoru N. Tamura

Herbs perennial, with a short rhizome. Leaves several, basal, entire. Scape erect, often leafless. Inflorescence terminal, umbellate or racemose, rarely 1-flowered; rachis and pedicels usually elongate in fruit. Flowers small. Tepals 6, free, ascending to spreading, subequal. Stamens 6, inserted at base of tepals; filaments filiform; anthers pseudobasifixed, ellipsoid, semiextrorse. Ovary ovoid-globose, (2 or)3-loculed; ovules several to many per locule. Style columnar; stigma obscurely 3-lobed. Fruit a berry. Seeds 2 or more; testa usually brownish.

Five species: temperate to subarctic regions of E Asia and North America; one species in China.

Although Tamura (in Kubitzki, *Fam. Gen. Vasc. Pl.* 3: 350. 1998) placed *Clintonia* in the Liliaceae *sensu stricto*, Wu Zhengyi (editor's note) believes it should be treated in the segregate family Medeolaceae. Takhtajan (*Diversity Classific. Fl. Pl.* 487. 1997) recognized Medeolaceae but placed *Clintonia* in the Uvulariaceae (pp. 482–483).

1. *Clintonia udensis* Trautvetter & C. A. Meyer in Middendorff, *Reise Sibir.* 1(Theil 2, Bot. Lief. 3): 92. 1856.

七筋菇 *qi jin gu*

Clintonia alpina Kunth ex Baker; *C. udensis* var. *alpina* (Kunth ex Baker) H. Hara.

Rhizome stiff, ca. 5 mm in thick, covered with fibrous sheaths. Leaves 3–5, ± petiolate, obovate, elliptic-obovate, or oblanceolate, 8–25 × 3–16 cm, margin pubescent when young. Scape 10–20 cm, usually to 60 cm in fruit, leafless, densely white pubescent. Raceme 3–12-flowered; bracts caducous; pedicels densely pubescent, 1–7 cm in fruit. Tepals white or sometimes bluish, oblong, 7–12 × 3–4 mm, puberulent abaxially. Stamens 4–6(–8) mm. Pistil 6–8 mm; style 3–5 mm. Berry blackish blue, globose or ellipsoid, 7–12 × 7–10 mm, many seeded. Fl. May–Jun, fr. Jul–Oct. $2n = 14, 28$.

Sparse forests, alpine forests; 1600–4000 m. Gansu, Hebei, Heilongjiang, Henan, Hubei, Jilin, Liaoning, Shaanxi, Shanxi, Sichuan, Xizang, Yunnan [Bhutan, India, Japan, Korea, Myanmar, Russia (Far East, Siberia), Sikkim].

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