

## 14. PULMONARIA Linnaeus, Sp. Pl. 1: 135. 1753.

肺草属 fei cao shu

Herbs perennial, hirsute. Stems often unbranched. Basal leaves petiolate, large. Cymes terminal, bracteate. Flowers pedicellate. Calyx campanulate, 5-lobed, enlarged in fruit, subtending nutlet. Corolla violet-red or blue; tube ca. as long as calyx; throat unappendaged or with bundles of hairs; limb spreading, 5-parted. Stamens included; filaments extremely short; anthers oblong. Ovary 4-lobed. Style filiform; stigma capitate, 2-cleft. Gynobase flat. Nutlets straight, ovoid, smooth, shiny, acutely keeled adaxially, apex obtuse; attachment scar at base, slightly concave, margin ringlike, with umbilical tissue.

About 14 species: C Asia, Europe; one species in China.

**1. *Pulmonaria mollissima*** A. Kerner, Monogr. Pulmon. 47. 1878.

腺毛肺草 xian mao fei cao

Roots black-brown, rather thick. Stems erect, somewhat branched above, 20–25 cm tall, short glandular pubescent, hispid. Basal leaves withered after anthesis; petiole 8–18 cm; leaf blade oblong-elliptic, 10–30 × 2–7 cm, short strigose, base attenuate, apex acuminate; stem leaves sessile, oblong-lanceolate to narrowly ovate, 5–12 × 1.5–2.5 cm, base attenuate or subcordate, apex acuminate. Inflorescences to 8 cm; bracts lanceolate, 0.6–1.4 cm. Calyx narrowly campanulate, 8–11 mm, short glandular pubescent, hispid, lobed to 1/3 length; lobes triangular. Corolla violet-blue, broadly tubular, wider at upper part, ca. 1.4 cm; lobes spreading, nearly semiorbicular, unappendaged at throat. Stamens inserted below throat; anthers ca. 2 mm. Style reaching middle of corolla tube. Nutlets slightly compressed laterally, ca. 3.5 mm, subglabrous.  $2n = 14, 18, 28$  (26, 27).

Wooded hillsides, valleys, moist shaded areas. Nei Mongol, Shanxi [Kazakhstan, Kyrgyzstan, Mongolia, Russia, Tajikistan, Turkmenistan, Uzbekistan; SW Asia, Europe].

Flora of China 16: 357. 1995.