

93. BERTEROELLA O. E. Schulz in Loesener, Beih. Bot. Centralbl. 37(2): 127. 1919.

锥果芥属 zhui guo jie shu

Herbs annual, canescent or pale green. Trichomes short-stalked or sessile, stellate, 4–6-rayed. Stems erect, often simple basally, branched apically. Basal leaves absent by flowering. Cauline leaves sessile, cuneate or attenuate, not auriculate, entire. Racemes several flowered, dense, ebracteate. Fruiting pedicels slender, subappressed. Sepals narrowly oblong, ascending, pubescent, base of lateral pair subsaccate. Petals white or light pink, ascending, longer than sepals; blade oblong-obovate or oblanceolate, apex obtuse; claw obsolete. Stamens 6, erect, slightly tetradynamous; median filament pairs strongly flattened and nearly winged basally; anthers oblong, sagittate at base, obtuse at apex. Nectar glands 4, 1 on each side of lateral stamen; median glands absent. Ovules 6–14 per ovary. Fruit dehiscent siliques, linear, terete, sessile; valves papery, with a distinct midvein, stellate, torulose; replum rounded; septum complete, membranous, without 2 longitudinal veins; style to 2.5 mm, filiform; stigma capitate, entire. Seeds uniseriate, wingless, oblong, plump; seed coat smooth, minutely reticulate, not mucilaginous when wetted; cotyledons incumbent.

One species: China, Japan, Korea.

1. Berteroella maximowiczii (Palibin) O. E. Schulz in Loesener, Beih. Bot. Centralbl. 37(2): 128. 1919.

锥果芥 zhui guo jie

Sisymbrium maximowiczii Palibin, Trudy Imp. S.-Peterburgsk. Bot. Sada 17(1): 28. 1899.

Plants (10–)20–50(–75) cm tall, pubescent throughout with stalked stellate trichomes. Stems erect, simple at base, branched above. Basal leaves not seen. Cauline leaves oblong-obovate or oblanceolate or rarely spatulate, (7–)12–40(–50) cm × (2–)4–10(–16) mm, stellate, gradually reduced in size upward, cuneate to petiolelike base to 3 mm, margin entire, apex rounded or obtuse. Fruiting pedicels slender, subappressed to rachis, (3–)4–7(–8.5) mm. Sepals narrowly oblong, stellate, 1.5–2(–2.5) × 0.5–0.8 mm. Petals white or pale pink, oblanceolate or oblong-obovate, (2.5–)3–4 × 1–1.5 mm, apex rounded. Filaments 2–3 mm, median pairs strongly broadened basally and to 1 mm wide; anthers 0.5–0.8 mm. Fruit linear, torulose, 0.8–1.4(–1.8) × 0.7–1 mm, densely stellate; style slender, (1–) 1.5–2(–2.5) mm. Seeds dark brown, oblong, ca. 1 × 0.5 mm. Fl. Jun–Oct, fr. Jul–Oct.

Rocky places, forests, mountain slopes; 300–900 m. Hebei, Henan, Jiangsu, Liaoning, Shandong, Zhejiang [Japan, Korea].

