1b. Raceme with flattened rachis.

2a. Awn 0.5–2.5 mm; raceme rachis smooth on angles ................................................................. 2. D. parva
2b. Awn 6–11 mm; raceme rachis scabrid on angles ................................................................. 1. D. ornithopoda

1b. Raceme with flattened rachis.

3a. Perennial; racemes (1–)2–3; rachis usually glabrous along margins.

4a. Anthers 1.7–2 mm; upper glume obscurely keeled except below apex, or if keeled throughout, wing narrow ................................................................................................................................. 3. D. falcata
4b. Anthers ca. 0.8 mm; upper glume distinctly keeled and broadly winged from base to apex .......... 4. D. guangxiensis
5a. Upper glume broadly winged from base to apex .................................................................. 5. D. sinensis
5b. Upper glume narrowly winged only in upper 1/3 ......................................................... 6. D. solitaria


Dimeria ornithopoda subsp. ornithopoda


Three varieties have been recognized under this subspecies in...
The name Dimeria heterantha is based on an aberrant specimen of D. ornithopoda. The lower lemma is a small, hyaline scale, and the upper lemma is geniculately awned as usual. The upper floret possesses a minute palea, and a third awned lemma is placed above it.


Annual. Culms erect, 5–11 cm tall, 5–15-noded, much branched, nodes slightly pubescent or subglabrous. Leaf sheaths glabrous, longer than internodes except the uppermost; leaf blades linear-lanceolate, 1–3.5 \( \times \) 0.1–0.25 cm, adaxial surface brownish, abaxial surface pale brown, loosely tuberculate-hairy at base, otherwise glabrous; ligule 0.5–0.7 mm. Racemes 2, 1–2.5 cm; rachis triquetrous, smooth on angles. Spikelets 3–3.5 mm, reddish brown; glumes papery with membranous margins, glabrous, upper glume winged along keel, apex acute or acuminata; upper lemma subentire; awn flexuous, 0.5–2.5 mm, usually exserted from spikelet; upper palea absent. Anthers yellow, ca. 0.5 mm. Caryopsis ca. 1.5 mm.

- Streams. Taiwan.

This species differs from Dimeria ornithopoda by its much-branched habit, subglabrous nodes, and subentire upper lemma with a straight awn included within the spikelet.


Rachis of raceme scabrid along margins. Upper glume distinctly keeled from base to apex, keel narrowly winged.

Moist slopes. Fujian, Taiwan [Vietnam].

3a. Dimeria falcata var. falcata

3b. Dimeria falcata var. taiwaniana


Annual. Culms erect, 35–40 cm tall, 6–8-noded, branching. Leaf sheaths densely hairy, hairs tubercle-based; leaf blades linear-lanceolate, 2–5 \( \times \) 0.15–0.35 cm, adaxial surface reddish brown, abaxial surface yellowish brown, puberulous, hairs tubercle-based, apex acuminate; ligule ca. 0.5 mm. Racemes 1–2, 2.5–3.5 cm; rachis ca. 0.8 mm wide, usually glabrous. Spikelets oblong, ca. 3.5 mm, brown; lower glume shortly ciliate along keel, upper glume broadly winged along keel, wing margin shortly ciliate; upper lemma ca. 2.5 mm; awn ca. 8 mm, almost straight. Anthers ca. 0.8 mm. Caryopsis ca. 2 mm. Fl. and fr. Oct.

- Grassy hillsides; below 500 m. Guangxi.

*华觿茅 hua xi mao*

Annual. Culms slender, erect, 12–40 cm tall, usually unbranched, 5–8-noded. Leaf sheaths reddish with age, hispid, hairs tubercle-based; leaf blades linear, 1.5–9 × 0.2–0.4 cm, abaxial surface green, smooth and glabrous, adaxial surface reddish, setose with tubercle-based 3–5 mm bristles, especially near margins; ligule ca. 0.5 mm. Raceme solitary, 2–5.5 cm, slightly flexuous; rachis flattened, 0.4–0.7 mm wide, margins narrowly winged, densely ciliate with white silky hairs; internodes ca. 1.5 mm; pedicels 0.3–0.5 mm, white bearded on outer margin. Spikelets oblong, 3.5–4 mm, reddish brown or purplish brown; glumes papery, sharply keeled, keel of upper glume broadly winged from base to apex, lower glume keel and upper glume wing margin densely white-ciliate, abaxial flank silky-white villous near margin, adaxial flank sparsely hairy, apex acute; upper lemma oblong, ca. 2.7 mm; awn 12–14 mm, geniculate; upper palea absent. Anthers ca. 1.2 mm. Caryopsis oblong, ca. 2.5 mm. Fl. and fr. autumn.

Hillsides, roadsides, damp waste ground; below 1000 m. Anhui, Fujian, Guangdong, Guangxi, Jiangsu, Jiangxi, Zhejiang [Thailand].


*单生觿茅 dan sheng xi mao*

Annual. Culms erect or slightly geniculate at base, 9–19 cm tall, 3–6-noded. Leaf sheaths puberulous, hairs tubercle-based; leaf blades linear, 1–3 × 0.1–0.25 cm, abaxial surface and margins loosely tuberculate-hairy; ligule ca. 0.4 mm. Raceme solitary, 1.5–2.5 cm; rachis flattened, ca. 1 mm wide, margins densely ciliate. Spikelets oblong, ca. 3 mm, reddish brown; glumes papery, lower glume densely ciliate along keel, densely pubescent near margins; upper glume densely ciliate along keel, narrowly winged along upper 1/2 of keel; upper lemma ca. 2 mm; awn 8–10 mm, geniculate. Anthers ca. 0.8 mm.

- Damp waste ground. Guangdong.

This species is related to *Dimeria sinensis*, but is a smaller plant, with the upper glume winged only in the upper third.