

### 31. DIPLACRUM R. Brown, Prodr. 240. 1810.

裂颖茅属 lie ying mao shu

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Herbs, annual or occasionally perennial, tenuous, with thin fibers. Leaves cauline, sheathing, without a ligule, regularly spaced along stem; leaf blade linear, short. Inflorescence a capitate cyme, condensed, exerted from leaf sheath. Spikelets unisexual. Male spikelets basal on inflorescence; glumes usually 3, usually thin and narrow, each with 1 or 2 male flowers. Female spikelets apical on inflorescence; glumes 2, opposite, equal in size, veined, each with 1 female flower, apex 3-lobed or not. Male flowers: anthers 1–3. Female flowers: stigmas 3. Disk present. Nutlet small, globose, with vertical ribs or reticulate, sometimes apically hairy, tightly enclosed in 2 subtending glumes and shed with them.

About six species: tropics into warm temperate regions of both hemispheres; two species in China.

- 1a. Glume subtending female flower prominently several veined, apex 3-lobed; nutlets globose, with 3 longitudinal ribs and rectangular reticulation ..... 1. *D. caricinum*
- 1b. Glume subtending female flower with only a prominent midvein, apex not lobed; nutlets depressed globose, with 3 longitudinal ribs and square reticulation between ribs ..... 2. *D. reticulatum*

#### 1. *Diplacrum caricinum* R. Brown, Prodr. 241. 1810.

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*Scleria caricina* (R. Brown) Benth.

Annuals. Culms 10–40 cm, slightly erect or sprawling, 3-angled, glabrous. Veins of leaf blades and bracts purple, fine. Leaf sheath with narrow wings but apically broader; ligule absent; leaf blade linear, 1–4 cm × 1.5–3 mm, apex acute to acuminate. Involucral bracts and bractlets leaflike or glumelike; leaflike bracts green, 3–10 mm, papery. Inflorescence a capitate cyme, 1 or 2 at each node. Male spikelets with 3 glumes and 1 or 2 flowers; glumes scarious. Female spikelets oblong to ovoid, with 2 opposite glumes and 1 flower; glumes greenish yellow, suboblong, ca. 1.8 mm, membranous, prominently several veined, 3-lobed, middle lobe larger, longer, and apically mucronate. Male flowers: anthers 1 or 2. Female flowers: stigmas 3, pubescent. Disk adnate to base of nutlet, obscurely 3-sided. Nutlet included in 2 glumes, globose, 0.8–1 mm in diam., with 3 longitudinal ribs and rectangular reticulation, apex hispid. Fl. and fr. Sep–Oct.

Water margins, shaded slopes, field margins; below 100–800 m. Fujian, Guangdong, S Guangxi, Hainan, S Jiangsu, Taiwan, S Zhejiang [Bangladesh, Cambodia, India, Indonesia, Japan, Laos, Malaysia, Myan-

mar, Philippines, Sri Lanka, Thailand, Vietnam; N Australia, Indian Ocean islands, Pacific islands].

#### 2. *Diplacrum reticulatum* Holttum, Gard. Bull. Singapore 11: 295. 1947.

网果裂颖茅 wang guo lie ying mao

*Scleria reticulata* (Holttum) J. Kern.

Annuals. Culms 10–40 cm, slightly erect or sprawling, 3-angled, glabrous. Veins of leaf blades and bracts purple, fine. Leaf sheath with narrow wings but apically broader; ligule absent; leaf blade linear, 1–4 cm × 1.5–3 mm, apex acute to acuminate. Involucral bracts and bractlets leaflike or glumelike; leaflike bracts green, 3–10 mm, papery. Inflorescence a capitate cyme, 1 or 2 at each node. Male spikelets with 3 glumes and 1 or 2 flowers; glumes scarious. Female spikelets turbinate, 1.2–1.5 × ca. 1.2 mm; glumes greenish yellow and often with pale red spots, ovate to oblong, ca. 1.2 mm, membranous, midvein prominent, lateral veins faint, apex entire (not 3-lobed) and mucronate. Disk adnate to base of nutlet, obscurely 3-sided. Nutlet depressed globose, ca. 1 mm in diam., with 3 longitudinal ribs and square reticulation between ribs, apex hispid. Fl. and fr. autumn and winter.

Wet grasslands. Hainan [Bangladesh, Malaysia (Peninsular), Myanmar, Thailand].

