

9. **ACTINOSCIRPUS** (Ohwi) R. W. Haines & Lye, Bot. Not. 124: 481. 1971.

大蘆草属 da biao cao shu

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*Scirpus* sect. *Actinoscirpus* Ohwi, Mem. Coll. Sci. Kyoto Imp. Univ., Ser. B, Biol. 18: 98. 1943.

Herbs, perennial, robust. Rhizomes long creeping, slender, apex with a small tuber. Culms  $\pm$  tall, inconspicuously septate. Leaves ligulate; leaf blade linear. Involucral bracts leaflike, exceeding inflorescence. Inflorescence a large terminal anthela, with many spikelets. Spikelets small. Glumes spirally imbricate, each subtending a bisexual flower, deciduous. Perianth bristles 5 or 6, mostly longer than nutlet, retrorsely scabrous, deciduous with nutlet. Stamens 3. Style base not distinct, not thickened, persistent; stigmas 3. Nutlet obovoid to subellipsoid, compressed 3-sided, smooth, apex beaked.

One species: E and S Asia, NE Australia, Pacific islands.

1. **Actinoscirpus grossus** (Linnaeus f.) Goetghebeur & D. A. Simpson, Kew Bull. 46: 171. 1991.

大蘆草 da biao cao

*Scirpus grossus* Linnaeus f., Suppl. Pl. 104. 1782;  
*Schoenoplectus grossus* (Linnaeus f.) Palla.

Plants stoloniferous. Culms scattered, 1–2 m tall, 1–1.2 cm thick, acutely 3-angled, smooth, clothed at base with 1 or 2 spongy leaf sheaths which disintegrate into reticulate fibers. Leaves basal only (not cauline), shorter than culm; sheaths spongy; leaf blade 7–12 mm wide, margin scabrous. Involucral bracts 3 or 4, leaflike, basal 1–3 longer than inflorescence, margin apically scabrous. Inflorescence a terminal compound anthela, with over 10 rays and many spikelets; rays to 5 cm, scab-

rous. Spikelets solitary, rust-colored to dark brown, sessile or pedunculate, ovoid to ellipsoid, 4–5  $\times$  2.5–3 mm, densely many flowered. Glumes elliptic to broadly ovate, ca. 2.5 mm, membranous, margin apically ciliolate, apex obtuse with a green costa excurrent into a mucro. Perianth bristles 6, longer than nutlet, retrorsely scabrous. Stamens 3; anthers linear; connective apex black, deltoid, very short. Style  $\pm$  long; stigmas 3. Nutlet pale brownish yellow, obovoid to subellipsoid, ca. 1.5 mm, compressed 3-sided, apex beaked. Fl. and fr. Jul–Oct.  $2n =$  ca. 88.

Moist places, shallow pools, swamps, paddy fields; below 100–900 m. Guangdong, Guangxi, Hainan, Taiwan, Yunnan [Cambodia, India, Indonesia, Japan, Laos, Malaysia, Myanmar, Nepal, Pakistan, Papua New Guinea, Philippines, Sri Lanka, Thailand, Vietnam; N Australia, Pacific islands].

