

114. MOLINIA Schrank, Baier. Fl. 1: 100, 334. 1789.

麦氏草属 mai shi cao shu

Moliniopsis Hayata.

Perennial. Culms tufted, internodes unequal, the lowest short, clavately swollen and persisting for several years. Leaves all in lower part of culm, leaf sheaths longer than internodes; leaf blades linear, articulated with sheath; ligule a line of hairs. Inflorescence an open or contracted panicle. Spikelets weakly laterally compressed, florets 2 to several, disarticulating above glumes and between florets; rachilla internodes slender, usually 1/3–1/2 length of lemma; glumes shorter than lowest lemma, 1–3-veined; floret callus truncate, glabrous or bearded; lemmas papery, 3(–5)-veined, glabrous, apex acute; palea almost as long as lemma, keels ciliolate or glabrous.

Two species: one from W Europe to W Siberia, the other in E Asia; one species in China.

The second species in the genus, *Molinia caerulea* (Linnaeus) Moench, differs in its 1-veined glumes, shorter, glabrous callus, and more prominently veined lemmas. Both species are very variable in habit.

1. *Molinia japonica* Hackel, Bull. Herb. Boissier 7: 704. 1899.

拟麦氏草 ni mai shi cao

Molinia hui Pilger; *Moliniopsis hui* (Pilger) Keng; *M. japonica* (Hackel) Hayata.

Shortly rhizomatous perennial. Culms stiffly erect, 60–100 cm tall, 2–5 mm in diam., unbranched. Leaf sheaths usually thinly pilose, a ring of short hairs externally at junction with blade; leaf blades tough, 30–60 cm, 3–14 mm wide, midvein convex on abaxial surface, adaxial surface paler, glabrous or thinly pilose, apex acuminate; ligule 0.5–1 mm. Panicle 15–40 cm, open; primary branches ascending, branched from base, spikelets loosely appressed to secondary branches. Spikelets 6.5–10 mm, with 3–5 spaced florets, uppermost floret reduced, smooth, glossy; rachilla internodes 1.5–2 mm, puberulous, often with longer hair-tuft at apex; glumes much shorter than lowest lemma, 3-veined; lower glume ovate, 2–4 mm, acute; upper glume elliptic-ovate, 3–5 mm, subacute; callus hairs 1–2 mm; lemmas ovate-oblong, 4–7 mm, inconspicuously 3-veined, subacute; palea ciliolate along upper keels. Anthers 2–3 mm. Fl. and fr. Jul–Aug. $2n = 50$.

Moist upland grasslands and moorlands, in the open or in shade; ca. 1500 m. Anhui, Zhejiang [Japan, S Korea, Russia (S Kuril Islands, S Sakhalin)].

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