

**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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