

# 西藏细柄茅属(禾本科)一新种\*

蔡联炳

(中国科学院西北高原生物研究所, 西宁 810001)

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## A new species of *Ptilagrostis* Griseb (Poaceae) from Xizang, China

CA IL ian-bing

(Northwest Plateau Institute of Biology, Chinese Academy of Sciences, Xining 810001, China)

**Key words:** *Ptilagrostis* Griseb.; *P. macrospicula* L. B. Cai; Xizang

### 大穗细柄茅

*Ptilagrostis macrospicula* L. B. Cai, sp. nov.

Fig. 1.

**Typus:** Xizang (西藏), Yadong Xian (亚东), Near Chuntang (春塘), in pratis clivorum, at 4 200 m elevation, Sept. 14, 1974, Qinghai-Xizang Exped (青藏队) 74-2496 (HNW P).

Haec species *P. concinnae* (Hook. f.) Roshev. proxima, a qua differt ligulis 2.5~3.5 mm longis, spiculis 8.0~12.5 mm longis (aristis exclusis), duabus glumis non aequalibus, lemmatibus 5.5~8.0 mm longis, paleis lemmatibus evidenter brevioribus, antheris 1.8~2.5 mm longis.

Herbae perennes, radicibus fibrosis tenuibus. Culmi erecti, glabri, dense caespitiosi, 8~18 cm alti, circ. 0.8 mm diam., 1~2-nodes vaginae foliorum glabrae, internodiis longiores; ligulae latae grandes, apice hebetatae vel fissidentibus, 2.5~3.5 mm longae; laminae glabrae, involutae, filamen-

tosae, 2~4 cm longae. Paniculae angustae, 4~7 cm longae, 0.7~1.0 cm latae, basi bracteis membranaceis; ramuli tenues, solitarii vel gemelli, 0.3~2.8 cm longi. Spiculae brunneolae vel purpurascens, 8.0~12.5 mm longae (aristis exclusis), tantum 1-florae; glumae lanceolatae, glabrae, plus minusve membranaceae, apice acutae, primae 3-nerves, 8.5~12.5 mm longae, secundae obscure 1-nerves, 8.0~9.5 mm longae; lemmata anguste lanceolata, 5.5~8.0 mm longa, in medio glabra, versus basin et apicem versus sensim pubescentia, apice bidentata, callis obtusis hirtis, aristis extractis inter lobum, 1.4~1.6 mm longis, semel geniculatis, infra geniculum contortis villosis, supra geniculum saepe pubescentibus; paleae lemmatibus 0.5~1.5 mm breviores, glabrae, 2-nerves, apice obtusae. Antherae flavae, 1.8~2.5 mm longae. Caryopsis brunnea, angusta, 3.6~4.1 mm longa.

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作者简介: 蔡联炳(1948-), 男(汉族), 研究员, 主要从事系统与进化植物学研究。

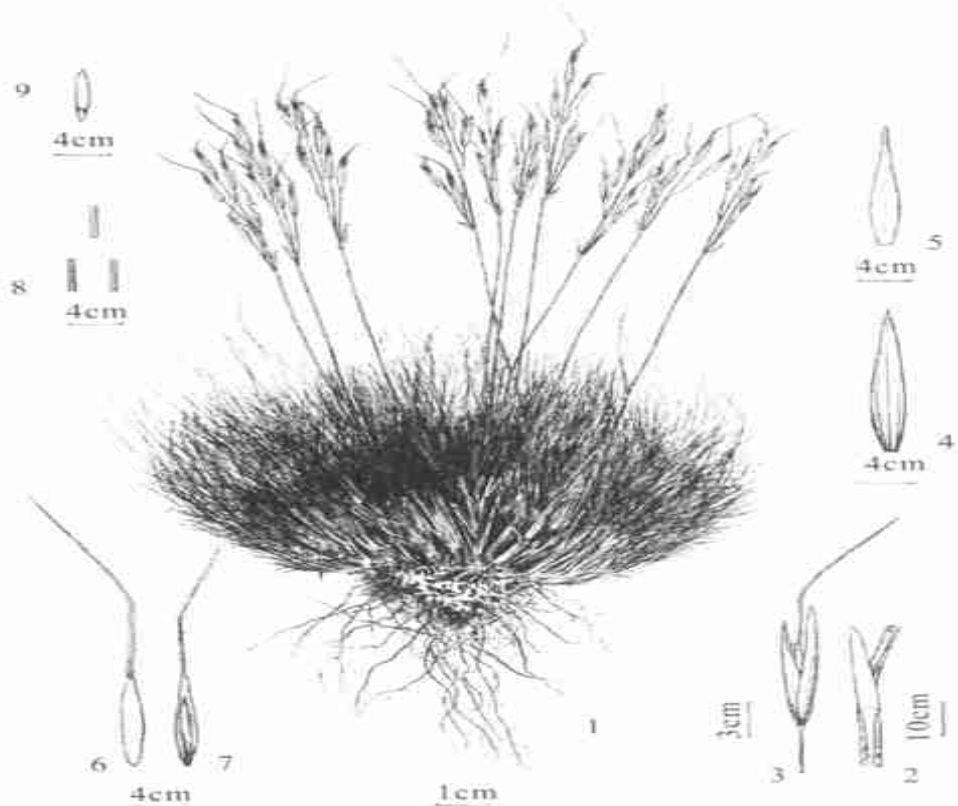


Fig 1 *Ptilagrostis macrospicula* L. B. Cai

1. Mature plant; 2. Junction of sheath and blade to show ligule; 3. Spikelet; 4. First glume; 5. Second glume; 6. Dorsal view of the first floret; 7. Ventral view of the first floret; 8. Anthers; 9. Caryopsis (Drawn by Y. Z. Song)

Perennial herbs, with thin fibrous roots. Culm erect, glabrous, densely caespitose, 8~18 cm tall, ca 0.8 mm in diameter, with 1~2 nodes. Leaf sheaths glabrous, longer than the internodes; ligules large, hebetate or dentigerate at the top, 2.5~3.5 mm long; leaf blades glabrous, involute into filiates, 2~4 cm long. Panicles narrow, 4~7 cm long, 0.7~1.0 cm broad, with membranous bracts at the base; branches tenuous, solitary or geminous, 0.3~2.8 cm long. Spikelets brownish or purplish, 8.0~12.5 mm long (excluding awn), only 1-flowered; glumes lanceolate, glabrous, slightly membranous, acute at the apex; the first glumes 3-nerved, 8.5~12.5 mm long, the second glumes obscurely 1-nerved, 8.0~9.5 mm long; lemmas narrowly lanceolate, 5.5~8.0 mm long, glabrous in the middle part, gradually pubescent toward the base and top, with lobate apex; callus obtuse, villose;

awn extended between the lobes, 14~16 mm long, once geniculate, contorted villose below the geniculum, usually pubescent above the geniculum; paleas shorter than the lemmas by 0.5~1.5 mm, glabrous, 2-nerved, obtuse at the apex. Anthers yellow, 1.9~2.5 mm long. Caryopsis brown, narrow, 3.6~4.1 mm long.

**Paratypus:** Xizang (西藏), Yadong Xian (亚东), Pali (帕里), in pratis clivorum, at 4300 m elevation, Sept. 18, 1974, Qinghai-Xizang Exped. (青藏队) 74-2674 (HNW P).

This species resembles *P. concinna* (Hook. f.) Roshev., but differs by the longer ligulae (2.5~3.5 mm), the longer spikelets (8.0~12.5 mm) with two unequal glumes, the longer lemmas (5.5~8.0 mm), the longer anthers (1.8~2.5 mm), and the palea conspicuously being shorter than the lemma.