

## 赖草属资料

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**摘 要** 禾本科赖草属二新种及一新变种, 即芒颖赖草 *Leymus aristiglumus* L. B. Cai, 伊吾赖草 *Leymus yiwuensis* L. B. Cai ex N. R. Cui 和疏节赖草 *Leymus secalinus* var. *laxinodis* L. B. Cai。

**关键词** 赖草属, 新分类群

## MATERIAL FOR THE GENUS LEYMUS (POACEAE)

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**Key words** *Leymus*; New taxa

### 芒颖赖草 新种 图 1

***Leymus aristiglumus*** L. B. Cai, sp. nov.

Species nova affinis *L. latiglumo* L. B. Cai, sed spiculis 3 - 4 - flosculis, 8 - 11mm longis; glumis oblongo - lanceolatis, 1 - nervibus, apice aristis 4 - 5mm longis evidenter praeditis; lemmatibus dorso glabris, obscure 5 - nervibus, eo primo 6 - 7mm longo; plantis humilibus bene differt.

Herbae perennes, rhizomatibus deorsum extensis. Culmieriecti, laxe caespitosi, 30 - 50cm alti, 1.5 - 2mm diam., vulgo 3 - nodes. Vaginae foliorum internodiis plerumque breviores, margine ciliatae, basales laceratae in fibras et persistentes; ligulae membranaceae, apice obtusae, 1.2 - 2mm longae; laminae complanatae vel margine involutae, 7 - 16 cm longae, 2.5 - 4mm latae, Supra et infra scabrellae. Spica conferta, erecta, viridula, 7 - 10 cm longa, 6 - 9mm lata; rhachis puberula, internodiis generatim 3 - 6mm longis; spiculae vulgo 2 - 3 natae enodo, 8 - 11mm longae, 3 - 4 - florum, rhacillis dense puberulis; glumae oblongo - lanceolatae, 1 - nerves, nervo scabro carinato, margine membranaceae puberulae, duae subaequales, 3.5 - 4.5mm longae, circ. 2mm latae, apice in aristas 4 - 5mm longas scabras productae; lem-

mata lanceolata, dorso glabra, margine sparsim pubescentia, obscure 5 - nervia, id primum 6 - 7mm longum, apice mucrone circ. 1mm longo praeditum; paleae lemmata subaequantur, apice retusae, ad carinas sparsim breviter spiniferae; antherae flavidae, circ. 4mm longae; ovaria obovata, superne pubescentia.

Qinghai (青海): Xining Shi (西宁市), in clivis apricis, alt. 2590m, 1990.06.30, Zhang Zhi - he et al. (张志和等) 5871 (holotypus, HNWP).

多年生禾草,具下伸根状茎。秆直立,疏丛。高30—50cm,径1.5—2mm,通常具3节。叶鞘大都短于节间,边缘具纤毛,基部者撕裂呈纤维状;叶舌膜质,先端钝圆,长1.2—2mm;叶片扁平或边缘内卷,长7—16cm,宽2.5—4mm,上、下两面微粗糙。穗状花序密集,直立,浅绿色,长7—10cm,宽6—9mm;穗轴被微毛,节间一般长3—6mm;小穗通常2—3枚生于1节,长8—11mm,含3—4小花,小穗轴密被微毛;颖长圆状披针形,具1脉,脉粗糙而突起成脊,边缘膜质、具微毛,两颖近相等,长3.5—4.5mm,宽约2mm,先端延伸成粗糙短芒,芒长4—5mm;外稃披针形,背部无毛,边缘疏生柔毛,具不明显的5脉,第一外稃长6—7mm,先端具长约1mm的短尖头;内稃与外稃近等长,先端微凹,两脊疏生短刺毛;花药浅黄色,长约4mm;子房倒卵形,上部具柔毛。

本新种与阔颖赖草 *L. latiglumis* L. B. Cai 相近,但以小穗含3—4小花,长8—11mm;颖长圆状披针形,具1脉,先端明显具4—5mm长的短芒;外稃背部无毛,具不明显的5脉,第一外稃长6—7mm;植株低矮而有明显区别。

#### 伊吾赖草 新种 图 2:1—8

*Leymus yiwuensis* L. B. Cai ex N. R. Cui, sp. nov.

Species nova *L. multicauli* (Kar. et Kir.) Tzvel. similis, sed spicis angustis; glumis anguste lanceolatis, dorso pubescentibus; lemmatibus distincte 5 - nervibus, dorso dense villosis; paleis lemmata subaequantibus, apice pungentibus vel acutis; antheris circ. 2mm longis; plantis nanis bene differt.

Herbae perennes, rhizomatibus deorsum extensis. Culmi caespitiosi, erecti vel geniculati, 14 - 23 cm alti, 1 - 1.5 mm diam., 2 - 3 - nodes. Vaginae foliorum glabrae, internodiis longiores vel breviores, basales laceratae in fibras et persistentes; ligulae membranaceae, apice obtusae, circ. 0.5mm longae; laminae involutae, 3 - 5cm longae, 1.5 - 2.5mm latae, supra et infra glabrae. Spica erecta, leviter conferta, viridis, 3 - 6.5cm longa, 3.5 - 5mm lata; rhachis pubescens, internodiis generatim 3 - 4mm longis; spiculae vulgo 2 natae in quoque nodo, 6.5 - 10mm longae, 3 - 5 florum, rhachillis dense pubescentibus; glumae anguste lanceolatae, 1 - nerves, dorso pubescentes, apice in aristas angustatae, duae subaequales, 5 - 8mm longae; lemmata lanceolata, distincte 5 - nervia, dorsaliter dense villosa, id primum 5 - 6.5mm longum, apice mucronatum, mucrone non ultra 1mm longo; paleae lemmata subaequantur, apice pungentes vel acutae, superne ad carinas breviter ciliatae; antherae luteae, circ. 2mm longae; ovaria elliptica, superne leviter puberula.

Xinjiang (新疆): Yiwu Xian (伊吾县), in pratis, alt. 2400m, 1982. 6.25, Cui Nai - ran (崔乃然) 820064 (holotypus, XJA); Yecheng Xian (叶城县), Cui Nai - ran 830260; Burqin Xian (布尔津县), in locis glareosis, An Zheng - xi (安争夕) A720846.



图 1 芒颖赖草 *Leymus aristiglumis* L. B. Cai

1、植株 ×1 2、小穗 ×6 3、第一颖片 ×5 4、第二颖片 ×5 5、第一小花背面 ×6 6、第一小花腹面 ×6 7、雄蕊和雌蕊 ×6 8、叶的一部分 ×2 (阎翠兰绘)

1. Plant ×1 2. Spicule ×6 3. First glume ×5 4. Second glume ×6 5. Back of the first floweret ×6 6. Reverse of the first floweret ×6 7. Stamen and pistil ×6 8. A part of leaf ×2

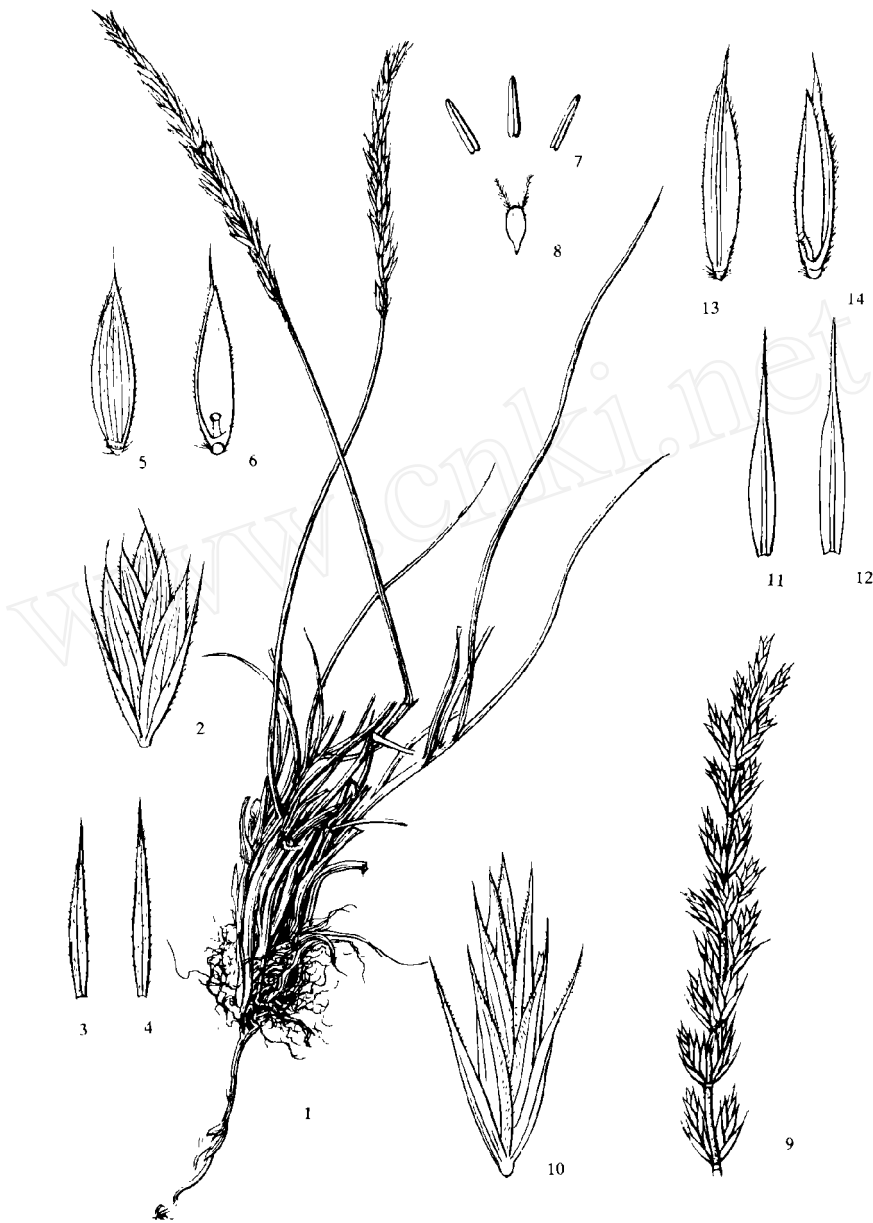


图2 1—8、伊吾赖草 *Leymus yiwuensis* L. B. Cai ex N. R. Cui; 9—14、疏节赖草 *Leymus secalinus* var. *laxinodis* L. B. Cai  
 1、植株 ×1 2、小穗 ×5 3、第一颖片 ×5 4、第二颖片 ×5 5、第一小花背面 ×6 6、第一小花腹面 ×6 7、雄蕊 ×6  
 8、雌蕊 ×6 9、花序的一部分 ×1 10、小穗 ×4 11、第一颖片 ×4 12、第二颖片 ×4 13、第一小花背面 ×4 14、第一小花腹面 ×4。(王颖绘)

1. Plant ×1 2. Spicule ×5 3. First glume ×5 4. Secod glume ×5 5. Back of the first floweret ×6 6. Reverse of the first floweret ×4 7. Stamen ×6 8. Distil ×6 9. a part of inflorescence 10. Spicule ×4 11. First glume ×4 12. Second glume ×4 13. Back of the first floweret ×4 14. Reverse of the first floweret ×4

多年生,具下伸根状茎。秆丛生,直立或膝曲,高14—23cm,径1—1.5mm,具2—3节。叶鞘无毛,长于或短于节间,基部者撕裂呈纤维状;叶舌膜质,先端钝圆,长约0.5mm;叶片内卷,长3—5cm,宽1.5—2.5mm,上、下两面光滑无毛。穗状花序直立,稍密集,绿色,长3—6.5cm,宽3.5—5mm;穗轴被柔毛,节间一般长3—4mm;小穗通常2枚生于1节,长6.5—10mm,含3—5小花,小穗轴密被柔毛;颖狭披针形,具1脉,背部被短柔毛,先端狭窄如芒,两颖近相等,长5—8mm,外稃披针形,明显具5脉,背部密被柔毛,第一外稃长5—6.5mm,先端具长不及1mm的短尖头;内稃与外稃近等长,先端锐尖或急尖,脊上部具短纤毛;花药深黄色,长约2mm;子房椭圆形,上部稍具微毛。

本新种与多枝赖草 *L. multicaulis* (Kar. et Kir.) Tzvel. 相近,但以穗状花序窄狭;颖狭披针形,背部被短柔毛;外稃5脉明显,背部密被柔毛;内稃与外稃近等长,先端锐尖或急尖;花药长约2mm;植株矮小而明显区别。

疏节赖草 新变种 图 2:9—14

*Leymus secalinus* (Georgi) Tzvel. var. **Laxinodis** L. B. Cai, var. nov.

A typo spica leviter laxa; internodiis rhachidium vulgo 8—13mm longis, basalibus ad 40mm longis; glumis anguste lanceolatis, margine non ciliatis; lemmatibus leviter angustis, dorso glabris vel scabris, versus marginem vel margine villosis differt.

Qinghai(青海): Xunhua Xian(循化县). ad ripas rivulorum, alt. 1800m, 1978. 07. 06, Wang Wei - yi(王为义)005 (holotypus, HNWP); Tongren Xian(同仁县), Zhou Li - hua et Sun Li - nan(周立华和孙立南)1205; Guide Xian(贵德县), Guo Ben - zhao et al. (郭本兆等)084; Chindu Xian(称多县). Guo Ben - zhao et al. 401.

本变种与原变种的区别在于:穗状花序较疏松;穗轴节间通常长8—13mm,基部者可达40mm;颖狭披针形,边缘无纤毛;外稃较窄狭,背部无毛或粗糙,边缘或近边缘处具长柔毛。