



## Typification of Hooker's name *Calamagrostis munroana* var. *stricta* (Poaceae, Agrostidinae)

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### Abstract

Hooker's name *Calamagrostis munroana* var. *stricta* (Poaceae, Agrostidinae) is lectotypified by a specimen housed at the Royal Botanic Gardens, Kew (K). Pencil drawings on the Kew sheet and field labels on the CAL duplicate have provided clues to the identification of *C. munroana* var. *stricta* and to the collection locality.

**Key words:** *Agrostis munroana*, *A. pendryi*, India, lectotype, nomenclature, Uttarakhand

### Introduction

In the course of an ongoing revision of *Agrostis* Linnaeus (1753: 61), *Calamagrostis* Adanson (1763: 31), and *Deyeuxia* Clarion ex Beauvois (1812: 43) (Poaceae: Agrostidinae) for the *Flora of the Pan-Himalayas* and the *Flora of Nepal* several names have already been typified and taxa revised (Paszko & Ma 2011, Paszko 2012, 2014b, Paszko & Pendry 2013, Paszko & Soreng 2013, Paszko *et al.* 2013). The typification of *Calamagrostis munroana* (Aitchison & Hemsley in Aitchison 1882: 192) Boissier (1884: 523) var. *stricta* Hooker (1896: 263) is here revised and the name lectotypified on specimens kept in CAL, K, and LE.

### Nomenclature

*Calamagrostis munroana* (Aitchison & Hemsley in Aitchison 1882: 192) Boissier (1884: 523) var. *stricta* Hooker (1896: 263).

**Type citation:**—‘*Agrostis* No. 4, *Herb. Strach. & Winterb.*—Common at altitudes of 11–15,000 ft’.

**Type:**—INDIA. [Uttarakhand, Pithoragarh]: Kumaon, Barji Kang [Barjikáng] Pass, 14,500 ft [4420 m], ‘*Agrostis* no. 4’, *s.d.*, R. Strachey & J.E. Winterbottom *s.n.* (lectotype designated here: K000032340! p.p., mixed collection with *Agrostis pendryi* Paszko (2014a: 29), small tuft above the label selected as lectotype, Fig. 1.; isolectotypes LE! p.p., right hand specimen, Fig. 2; CAL no. 536796, barcode CAL0000002386!, p.p., right hand specimen with the field label ‘above Ralam, 24 August 1848, 14,500 ft [4420 m]’, Fig. 3).

**Other original material:**—INDIA. [Uttarakhand, Pithoragarh]: Kumaon, Barji Kang [Barjikáng] Pass, 14,500 ft [4420 m], ‘*Agrostis* no. 4’, *s.d.*, R. Strachey & J.E. Winterbottom *s.n.* (K000032340! p.p., pencil drawings, Fig. 1).

**Comments:**—*Calamagrostis munroana* var. *stricta* was described by Hooker (1896: 263) based on a collection made below Barji Kang Pass (Barjikáng, 4694 m) (Pithoragarh distr., Uttarakhand, NW India) by R. Strachey and J.E. Winterbottom (*Agrostis* no. 4) during their journey from Almora via Ralam valley to the lakes Rakas-Tal and Manasarowar in western Tibet, in August 1848 (Strachey 1900).

*Calamagrostis munroana* var. *stricta* resembles *A. pendryi* in plant habit, but differs from the latter by its longer paleas (1.1–1.7 mm vs. 0.5–0.9 mm long), higher ratio of palea to lemma length (0.8–1 vs. 0.35–0.58), and slightly longer ligules (1.2–3.1 mm vs. 0.3–2.5 mm long). This was confirmed by spikelet characters obtained from the type of *A. pendryi* (Paszko 2014a).

**Examined specimens of *Calamagrostis munroana* var. *stricta*:**—INDIA. [Uttarakhand]: Kumaun, Nipchang valley in Darma, 4267–4572 m, 31 August 1884, *J.F. Duthie* 3536 (LE); Thihri-Garhwal, Kharga Ka Gadh [stream] below Sri Kanta, 3962–4267 m, 8 August 1883, *J.F. Duthie* 267 (BM, K, LE). [Himachal Pradesh]: Punjab, Lahul, Crest of Rotang La, in watered meadow, sandy, with a little vegetation, 3962 m, 5 October 1931, *Koelz* 3074 (LE); Eastern Punjab Region, Simla, Bushahr, Rupan Pass, 2 September 1934, *N. Parmanand* 1182 (K). NEPAL. **Sankhuwasabha:** Numbuk (Mumbuk) (3500 m)—Barun Khola (3170 m)—Phemathang Kharka (Tematan Kharka) (3380 m)—Yangri Kharka (3540 m), 3360 m, *Abies-Rhododendron* forest, 18 July 1988, *M. Suzuki et al.* 8850495 (TI). PAKISTAN. **Hazara:** NW Himalaya, Kagan Valley, 2865 m, 18 July 1896, *Inayat* 20285a (K). **Gilgit:** Karakoram, Nagar State, Minapin glacier, silty and gravelly areas, 3505 m, 21 August 1961, *Lloyd & Megan* 94 (BM). COUNTRY UNKNOWN. Kashmir, 1956, *O. Polunin* 56/722 (BM).

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