

Harsh SINGH^a, Dileshwar PRASAD^{b,c,d}, Priyanka AGNIHOTRI^{c,d} and Saroj Kanta BARIK^{a,b,*}: *Agrostis dshungarica* (*Poaceae*, *Agrostidinae*)—A New Record from India

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Summary: *Agrostis dshungarica* (Tzvelev) Tzvelev (*Poaceae*, *Agrostidinae*) is recorded for the first time from India. Habitat and distribution, regional conservation status, relevant taxonomic notes, and illustration are provided.

Agrostis L. comprises approximately 250 species worldwide (Kellogg 2015, WCVF 2020). In India, it is represented by ca. 16 species and mainly distributed in temperate and alpine regions of Himalayas between elevations of 1200–4500 m a.s.l. (Bor 1960, Aswal and Mehrotra 1994, Kellogg et al. 2020). Of these, ca. 11 species occur in Western Himalaya, and ca 10 species in North-East India (Shukla 1996).

While undertaking floristic survey in Uttarakhand, India, the first author collected an unknown *Agrostis* with loosely tufted habit, contracted panicle and shorter spikelets bearing a single floret. It corresponds to *Agrostis dshungarica* (Tzvelev) Tzvelev and is a new record for India. Thus, we provide taxonomic notes and a photographic plate.

Agrostis dshungarica (Tzvelev) Tzvelev, Pl. Central Asia 4: 292 (2001); Lu & Phillips, Fl. China 22: 342 (2006). – *Pentatherum dschungaricum* Tzvelev in Rast. Tsentral. Azii 4: 77 (1968). [Fig. 1]

Specimens examined: **INDIA**. Western Himalaya, Uttarakhand, Bageshwar, Sunderdhunga, Maikotli Glacier Trek, 30.178044 N, 79.928625 E, alt. 3200 m, 8 September 2020, Harsh Singh 305882, 305883, 305879 (LWG).

Flowering and fruiting: Flowers of *Agrostis dshungarica* were gathered in the month of August, 2020 and fruits were collected in September, 2020.

Habitat and distribution: *Agrostis dshungarica* was found in Uttarakhand a part of the Western Himalaya, in the alpine meadows of Kumaun Himalaya at elevation of 3000–3300 m a.s.l. in association with *Calamagrostis* sp., *Poa* sp., *Bromus* sp. and *Festuca* sp. The habitat of the species was characterized as stony surface with thin soil layer.

Regional conservation status: The threat status of the species was assessed following IUCN criteria (2019). It was estimated that the area of occupancy (AOO) of the species was 1.38 km² and the extent of occurrence (EOO) was 8 km². Only 20 individuals belonging to a single population from a single locality were discovered. With the available data during the field surveys, the species was classified as Critically Endangered (CR: B1ab (iii)).

Taxonomic remarks: *Agrostis dshungarica* has a purple panicle, spikelets 3.5–4 mm long, lemma 2.5–2.8 mm long, palea 1.5–1.7 mm long and anthers 0.8–1.1 mm long, ratio of palea

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H.Singh^a, D.Prasad^{b, c, d}, P.Agnihotri^{c, d}, S.K.Barik^{a, b}: インド新分布の *Agrostis dshungarica* (イネ科)

イネ科ヌカボ属 *Agrostis dshungarica* (Tzvelev) Tzvelev はこれまで中国新疆ウイグル自治区に知られていたが、同種をインド西ヒマラヤ Kumaun 地域の高山から初めて報告した。同地における生育状態と本種の変異について付記した。

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