BROMUS CATHARTICUS AND BROMUS DANTHONIAE VAR. UNIARISTATUS (POACEAE), TWO NEW RECORDS FROM IRAN

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Bromus catharticus Vahl and Bromus danthoniae Trin. var. uniaristatus Melderis are reported as two new records from Iran. Exact localities based on herbarium specimens are given and geographical distribution of the species are explained.

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Key words. Poaceae, Bromus catharticus, Bromus danthoniae var. uniaristatus, new record, Iran.

Introduction

In a study of the genus Bromus L., herbarium materials of Tehran University (TUH) and Research Institute of Forests and Rangelands (TARI) were examined. Among the plants investigated, Bromus catharticus Vahl and Bromus danthoniae Trin. var. uniaristatus Melderis were recognized. As these taxa have not been previously reported from Iran, geographical distribution of the species are explained.

Bromus catharticus Vahl

Lorestan: Khorramabad, 1400 m, Rouhani, 6.7.1971, 23888-TARI.

This plant was mentioned in Manual of the Grasses of the United States (Hitchcock 1950), Flora of Pakistan (Cope 1982) and Flora Palaestina (Feinbrun-Dothan 1986) as Bromus catharticus Vahl, in Flora Iranica (Bor 1970) as Bromus unioloides Kunth, in Grasses of the Soviet Union (Tsvelev 1976) as Ceratochloa cathartica (Vahl) Herter and in Flora Europaea (Smith 1980) as Bromus willdenowii Kunth. Bromus unioloides Kunth, Ceratochloa cathartica (Vahl) Herter and Bromus willdenowii Kunth are synonymous with Bromus catharticus Vahl in Flora Palaestina (Feinbrun-Dothan 1986). The species belongs to Sect. Ceratochloa (Beauv.) Griseb. ex Ledeb. A short description of the species is as follows.

Annual or biennial; culms erect, to 43 cm tall; sheaths glabrous or pubescent; blades to 23 cm long and to 4 mm wide, glabrous or sparingly pilose; panicle open, to 17 cm long, the branches to 2 cm long; spike late ovate, to 2.5 cm long, 7 flowered, strongly laterally compressed; glumes lanceolate, acuminate, keeled; the lower 8.5 mm long, 5 nerved, the upper 9.5 mm long, 9 nerved; lemmas glabrous, scabrous, lanceolate, acuminate, 14 mm long, 9 nerved, closely overlapping, sharply keeled, awnless or with an awn 1-3 mm long; palea 9 mm long, ciliate on the keels; Caryopsis to 7 mm long.

A South American species widely introduced as a winter forage species under the "Rescue Grass", and now found as an escape in most temperate countries (Cope 1982). Wild plants found along roads, on borders of fields (Tsvelev 1976) and in places where there is sufficient humidity in the soil (Bor 1970).
Fig. 1. *Bromus catharticus* (x 0.7); lemma and Palea (x 2.4)
Fig. 2. *Bromus danthoniae* var. *uniaristatus* (x 0.7); lemmas and palea (x 5.2).
The species is native in South America but introduced into many nontropical countries such as India, West Pakistan, South Europe, Caucasus and Central Asia (Bor 1970; Tsvelev 1976).

**Bromus danthoniae Trin. var. uniaristatus Melderis**
Khuzestan: Mahshahr, road of Ghazaleh Station, 32759-TUH.

According to the descriptions given in Flora Iranica (Bor 1970) and Grasses of the Soviet Union (Tsvelev 1976), the plant is recognized with small spikelets (1.5-2 cm long) and lateral awns very much reduced or absent on lower lemmas.

Its general distribution is Iraq (Bor 1970). It is also found on sands in the southern parts of Karakum (Tsvelev, 1976).

**Acknowledgments**
Authors wish to thank Mrs. Farahdoust the artist of the Research Institute of Forests and Rangelands for preparing the illustrations.

**References**


