

TWO NEW RECORDS AND A NEW COMBINATION OF THE GENUS AELUROPUS TRIN (POACEAE) FOR THE FLORA OF IRAN

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Aeluropus lagopoides var. *mesoptamica* is reported from Iran as a new record. This variety is characterized by the following characters: very short and stiff vegetative leaves, short stem and small capitate inflorescence. *A. pungens* var. *hirtulus* is also reported as another new record for Iran. *A. lagopoides* var. *repens* is a new combination based on *A. lagopoides* subsp. *repens*. These two taxa differ from the typical species by having hairy leaves.

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Key words. *Aeluropus*, *Poaceae*, new records, new combination, Iran.

معرفی یک واریته جدید و دو گزارش جدید از جنس *Aeluropus* (Poaceae) در ایران

منصوره خداشناس، مربی پژوهش مرکز تحقیقات کشاورزی و منابع طبیعی استان کرمان

واریته *A. lagopoides* var. *mesoptamica* به عنوان گزارشی جدید برای ایران معرفی می‌شود. این واریته با داشتن برگهای کوچک و سفت و شق، ارتفاع کم ساقه و گل آذین کوچک و کروی تشخیص داده می‌شود.

A. pungens var. *hirtulus* نیز به واسطه داشتن کرکهای بلند و متراکم روی سطح پهنک برگها به عنوان یک واریته مجزا از ایران گزارش می‌شود. همچنین یک ترکیب جدید نیز با نام *Aeluropus lagopoides* var. *repens* بر اساس نام *A. lagopoides* subsp. *repens* معرفی می‌گردد.

Introduction

During the course of preparing a revision of the genus *Aeluropus* for the ongoing project of Flora of Iran (Assadi 1986) many materials belonging to the genus collected from different parts of Iran. Also preserved Herbarium specimens in TARI and FUMH were studied. Some specimens were found that further studies showed to be new varieties, partly new records to Iran.

New records to Iran

Aeluropus lagopoides (L.) Trin. ex Thwaites var. *mesoptamica* (Nab.) Bor. in Rech. f., Fl. Lowland Iraq: 53 (1964).

Syn.: *A. mesoptamicus* Nab., Publ. Fac. Sci. Univ. Masaryk 111: 18 (1829).

Aeluropus lagopoides var. *mesoptamica* was previously reported from Iraq (Bor 1968). The species was distinguished among the studied specimens and well characterized by the following characters: very short (2-10 mm long), congested, rigid and glaucous leaves.

Specimens seen. Hormozgan: Nakhle Nakhoda, 10 m, Mozaffarian 45038; 25 km Bandar lengheh to Bastak, 30 m, Mozaffarian 45180. -Tehran: 55 km SW. of Tehran,

Shoor River, 950 m, ? 5401. -Kerman: Kahnooj, Jazmoorian, Zehkaloot, 400 m, Assadi & Mozaffarian 25726; Faruab, Daghe Damil, Khodashenas and Ghoncheii; Baft, Orzuieh, Chil abad, Choncheii; Sirjan to Haji Abad, Khodahenas and Ghoncheii 6296.

Aeluropus pungens (M. B.) C. Koch var. *hirtulus* S. L. Chen & X. Y. Yang, Bull. Bot. Res., Harbin. 4: 123 (1984).

This variety seems to be described from xinjiang, China and differs from the typical variety by having leaf blade densely hirsute on the adaxial surface. In var. *pungens* leaf blades are glabrous on both surfaces (Chen & Philips 2006). Both variants glabrous and hairy leaf blades grow in the same localities, therefore varietal rank seems to be appropriate for the taxa.

Specimen seen. Markazi: Arak, west of Kavir Myghan, 5 km NE Myghan village, Akhani 872.

New combination

Aeluropus lagopoides (L.) Trin. ex Thwaites var. *repens* (Tzvel.) Khodashenas, **comb. nov.**

Syn.: *A. lagopoides* subsp. *repens* Tzvel., Spisok Rast. Gerb. Fl. SSSR, 17: 46 (1967); *A. villosus* Trin. ex C. A. Mey., Verzeichn. Pfl. Cauc: 18 (1831).

Tezvelev (1967) recognized 2 subspecies for *Aeluropus lagopoides* based on hairy or non hairy leaves and named them *A. lagopoides* subsp. *repens* and *A. lagopoides* subsp. *lagopoides* respectively. Distribution study of the species showed that both variants grow together in the same geographical region. Since these two taxa are growing in the same geographical region, it was concluded that they should be treated as varieties

Specimens seen. Khorasan: Torbate Jam, Pasgah Rokny, Zangooyii 35052; between Deyhook and Ravar, Digrostan, 700 m, Joharchi & Zangooyii 7010. - Khuzestan: 80 km on road from Ahvaz to Bandar Emam, 18 m, Telvari 378, 379. -Hormozgan: Bandar Lengheh to Khamir, 10 m, Mozaffarian 49463.

References

- Assadi, M. 1989: Plan of the Flora of Iran. -Tehran.
- Bor, N, L. 1968: *Aeluropus* in C. C. Townsend and Evan Guest Flora of Iraq vol. 9: 420-424. - Baghdad.
- Chen, Sh. & Philips S. M. 2006 (on line): *Aeluropus* in Poaceae Flora of China 22: 458-459. -Flora of China @eflora.org.
- Tzvelev, N. N. 1976: *Aeluropus* in Grasses of the Soviet Union. Part II: -Nauka Publishers, Leningrad (English translation published by Oxonian Press 1983, New Delhi).

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