

## *Hattoria yakushimensis* (Horik.) Schust.

Status: **Vulnerable (VU) D2**

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Class: Hepaticae

Order: Jungermanniales

Family: Jungermanniaceae

**Description and Biology:** Medium sized (up to 2 cm long), yellowish green to reddish hepatic, growing in mats. Stems prostrate, leaves partially densely imbricate, nearly transversely inserted, strongly concave, partially weakly imbricate, obliquely inserted, weakly concave, ovate- oblong to reniform. Perianth emergent, oblong-ovoid, pluriplicate.

**Distribution and Habitat:** According to Inoue (1974) known only from three stations in southern Japan (Honshu, Kyushu and Yakushima Islands). Collected on bark of living or dead trees in rather open places in 900--1760 m.

**History and Outlook:** Described by Horikawa (1934) from Yakushima Island, from this time recorded only rarely. It is currently known only from one remaining site and the the main threat is logging of evergreen forests in the vicinity of the sites and subsequent changes, such as alteration of air humidity and light (T. Furuki pers. comm.). The species is included in the Red Data Book of Japan as CR+EN (Iwatsuki et al. 2000)

### References:

- Horikawa, Y. 1934: Monographia Hepaticarum Australi-Japonicarum. -- J. Sci. Hiroshima Univ., Ser. B, div. 2, 2: 101--132 + drawing
- Inoue, H. 1974: Illustration of Japanese Hepaticae. -- Tokyo + drawing.
- Iwatsuki, Z., Kanda, H. & Furuki, T. 2000. *Threatened Wildlife of Japan - Red Data Book* 2nd ed. Volume 9, Bryophytes, Algae, Lichens, Fungi. Tokyo.
- Kitagawa, N. 1966: A revision of the family Lophoziaceae of Japan and its adjacent regions. II. -- J. Hattori Bot. Lab. 29: 101--149. + drawing

**Author of this red data sheet:** Prof. Dr. Jirí Vána, Dept. of Botany, Charles University, Benátská 2, CZ-128 01 Praha 2, Czech Republic.

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