

Orthotrichum angustifolium

COMMON NAME

Moss

SYNONYMS

Muelleriella angustifolia (Hook.f. et Wilson) Dusén

FAMILY

Orthotrichaceae

AUTHORITY

Orthotrichum angustifolium Hook.f. et Wilson

FLORA CATEGORY

Non-vascular – Native

STRUCTURAL CLASS

Mosses

CURRENT CONSERVATION STATUS

2009 | Range Restricted | Qualifiers: OL

DISTRIBUTION

Indigenous. Widespread subantarctic species. In New Zealand known only from Campbell Island.

DETAILED DESCRIPTION

Autoicous, tufted, saxicolous, blackish-green moss. Stems 5-10 mm tall, branched. Leaves 2.5-3.2 mm long, shorter below, suberect dry or wet, arising from a narrow insertion; lamina narrowly acuminate with blunt apices, bistratose above; margins plane, entire, multistratose below. Nerve usually indistinct above; failing below apex. Upper cells 10 microns, irregularly isodiametrical, smooth; basal cells shortly rectangular. Vaginula with a few short paraphyses, not or only indistinctly ochreate. Seta subsessile. Perichaetial bracts rather long. Capsule 1.50-1.90 mm long, entirely immersed on the subsessile seta; pyriform, coriaceous, exothecial cells strongly incrassate, smooth. Peristome single, rarely with a preperistome; teeth 16, pale, rather coarsely papillose, trabeculate on the ventral surface. Operculum conico-rostellate. Calyptra reddish brown, smooth plicate. Male inflorescence large, terminal at the end of very short branchlets, gemmiform.

FRUITING

Although fruit has been seen insufficient information exists to provide any details on the timing of fruiting

THREATS

Not threatened. Within the New Zealand part of its range this species is restricted to a few locations on Campbell Island.

SUBSTRATE

Saxicolous on rocks from sea level to alpine zone

ATTRIBUTION

Fact Sheet Prepared for NZPCN by: P.J. de Lange (5 October 2007). Description adapted from Vitt (1976 - as *Muelleriella*)

REFERENCES AND FURTHER READING

Goffinet, B.; Shaw, A.J.; Cox, C.J.; Wickett, N.J.; Boles, S.B.. 2004: Phylogenetic inferences in the Orthotrichoideae (Orthotrichaceae, Bryophyta) based on variation in four loci from all genomes. *In*: Molecular Systematics of bryophytes. 98 ed. Phylogenetic inferences in the Orthotrichoideae (Orthotrichaceae, Bryophyta) based on variation in four loci from all genomes 270-289.

Vitt, D. H. 1976. A monograph of the genus *Muelleriella* Dusén. *Journal of the Hattori Botanical Laboratory* 40: 91-113.



NZPCN FACT SHEET CITATION

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<https://www.nzpcn.org.nz/flora/species/orthotrichum-angustifolium/> (Date website was queried)

MORE INFORMATION

<https://www.nzpcn.org.nz/flora/species/orthotrichum-angustifolium/>