

Cololejeunea appressa

COMMON NAMES

Liverwort

BIOSTATUS

Native

CURRENT CONSERVATION STATUS

2020 | At Risk – Naturally Uncommon

[Jump to previous conservation statuses](#)

CATEGORY

Non-vascular

STRUCTURAL CLASS

Liverworts

DETAILED DESCRIPTION

Corticolous and folicolous. Plants minute, bright yellow green. Leaf lobe ovate, lobule projecting below lobe margin almost completely. Lobe length 310-415 µm, cell walls thick (c.2 µm), small cell lumen 7-8 µm wide, cells somewhat quadrate. Walls thick, 2 mm wide with occasional intermediate thickenings often developed only on one side. At lobe tip marginal cells with both middle of lumen and walls projecting slightly. Marginal cells similar in size to those of lobe or slightly smaller. Ocelli prominent, of 4(-5) cells in a single row, each with a single large oil body filling the lumen. Individually 27-44 x 16-19 µm. Stylus not present, leaf base furnished with large, globose cell at the leaf base where it joins the stem. Lobule ovoid to broadly urceolate, 130 x 105 microns. Inner margin of the mouth bearing 2 teeth, one of these 1-2 cells long and on the side away from the keel, the other, unicellular, smaller, triangular, apex sharply pointed. The lobule almost completely offset from the leaf lobe and only overlaps the row of ocelli slightly. Lobule 130 x 105 µm.

DISTRIBUTION

Indigenous. A mainly tropical species common in north-eastern Australia. In New Zealand it is known only from the North Island (Northland (at Unuwahao and Radar Bush, Te Paki) and Waikato (Port Waikato)) and Chatham Islands (Rangiauria/Pitt Island (Waipaua))

SUBSTRATE DETAILS

Folicolous and corticolous on the leaves of taraire (*Beilschmiedia tarairi*) and bark of kanono (*Coprosma grandifolia*) and Chatham Island karamu (*Coprosma chathamica*)

THREATS

Recent field surveys have found *Cololejeunea appressa* to be a biologically sparse, naturally uncommon and widely distributed species of northern New Zealand and the Chatham Islands

GENUS

Cololejeunea

FAMILY

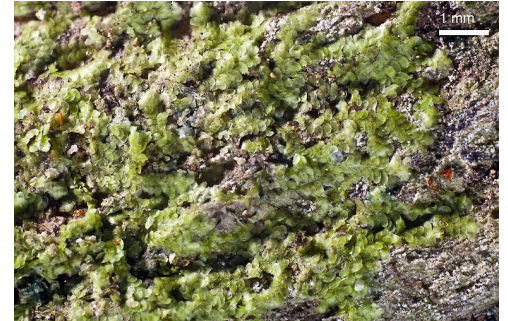
Lejeuneaceae

AUTHORITY

Cololejeunea appressa (A.W.Evans) Benedix

SYNONYMS

None



Te Paki, on *Geniostoma ligustrifolium*. Sep 2011.
Photographer: Jeremy R. Rolfe, Licence: CC BY.

ENDEMIC TAXON

No

ENDEMIC GENUS

No

ENDEMIC FAMILY

No

FRUITING

Not observed in New Zealand specimens

PREVIOUS CONSERVATION STATUSES

2009 | At Risk – Naturally Uncommon | Qualifiers: RR, Sp

2004 | Threatened – Nationally Critical

[Jump to current conservation status](#)

ATTRIBUTION

Fact Sheet Prepared for NZPCN by: P.J. de Lange November 2009. Description adapted from unpublished notes provided by J.E. Braggins by P.J. de Lange (November 2009).

NZPCN FACT SHEET CITATION

Please cite as: de Lange, P.J. (Year at time of access): *Cololejeunea appressa* Fact Sheet (content continuously updated). New Zealand Plant Conservation Network.

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

MORE INFORMATION

<https://www.nzpcn.org.nz/flora/species/cololejeunea-appressa/>

PDF DATE

27 May 2026