

**Leioderma** Nyl.  
(PANNARIACEAE)

After Galloway & Jorgensen

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Thallus foliose, lobate, heteromerous, dorsiventral, ± orbicular to spreading, rather loosely attached, thin; prothallus absent; lobes undulate, adjacent, cuneate or falbellate, often imbricate or dissected, to 6 mm wide; margins incised or variously notched and dissected or ± sublobulate or phyllidiatelacerate or sorediate and ± sinuous, ascending; upper side (at least towards margins) matt and normally bluish gray when dry (dark bluegreen to graygreen when wet), undulate, minutely roughened scabrid to coarsely areolatescabrid, to verrucose or arachnoid, or glossy, redbrown, and smooth, with or without soredia, without maculae, isidia or pseudocyphellae; lower surface pale, occasionally bluish or greenish black, ± densely rhizinate; rhizines pale or bluegreen, complex, entangled, to 3 mm long. Photobiont bluegreen (Scytonema). Upper cortex of 23 layers of ± isodiametric cells with hyphae perpendicular to upper surface. Lower cortex absent. Medulla white, of loosely woven, branching hyphae.

Apothecia scattered, laminal, sessile or subpedicellate, biatorine, constricted at the base, originating near the center of the lobes; disc pale redbrown or pinkish to dark brown or blackened, matt, epruinose, never gyrosecontorted; proper margin pale, cortex on lower side continuous with that of thallus. Spores 8, colorless, simple, uniseriate.

**L. sorediatum** Galloway & Jorg.

Thallus forming rosettes to 4 cm wide, rather loosely attached. Lobes discrete to subimbricate, too 6 mm wide with sinuous, slightly thickened, subascending, entire to delicately incised margins which become sorediate. Soralia marginal, ± sinuous, linear to limbiform, bluish. Upper surface ± uniformly cobwebbytomentose, dark bluegreen when wet, pale grayish when dry. Lower surface white at margins, buff centrally with bundles of white to bluish rhizohyphae. Apothecia very rarely developed, usually only seen as pinkish initials. On bark in rainforests.

## Literature

Galloway, D. J. 1985. Flora of New Zealand Lichens.

Galloway, D. J. & P. M. Jorgensen. 1987. Studies in the lichen family Pannariaceae II. The genus Leioderma Nyl. Lichenologist 19: 345-400.

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