

Agonimia Zahlbr.

(VERRUCARIALES: VERRUCARIACEAE)

After Purvis & James, 1992

Rev. 5/94

Thallus crustose, thin or lacking, to coarsely granular, minutely squamulose, microphylline, scattered to \pm contiguous, pale green or bluegray to olive or brown; squamules \pm round or elongate, entire or divided, without soredia and isidia. Cortex pseudoparenchymatous; cells on upper surface with short papillae 12×11.5 μm . Photobiont chlorococcoid; cells $4.57(10)$ μm diam.

Perithecia globose to barrelshaped or subpyriform, emergent, black or brownish, scattered among and often overgrown by the squamules, matt or slightly shining, smooth or slightly roughened; involucrellum absent. True exciple 3layered, the outer dark brown, pseudoparenchymatous, merging into a similar hyaline zone on inner side of which a \pm developed layer of conglutinate, unbranched hyphae projects downwards towards center of perithecium; upper part of cavity lined with numerous simple or sparingly branched, septate paraphyses, to 60×24 μm ; paraphyses absent. Asci 128spored, clavate, ellipsoid or ovoid, thinwalled; wall 57 μm wide laterally, not or only slightly thickened at apex; without an ocular chamber; entirely I; dehiscence fissitunicate. Spores colorless to pale yellowbrown, \pm ellipsoid, strongly muriform.

Conidiomata unknown. No substances. On old, broadleaved trees and \pm basic soils, dunes, mortar and associated mosses.

A. tristicula (Nyl.) Zahlbr.

Perithecia rough and plicate in upper part; asci (1)2spored; spores $(60)80(120)(150) \times 2650$ μm , elongateellipsoid, colorless to pale yellowbrown, strongly muriform; squamules $0.10.3(0.5)$ mm wide, dull green, usually brown tinged, bright green when wet, rather distinctly flattened. On soil, mosses and lichens (especially Collema species) in clefts of \pm baserich rocks, including limestones, mortar, serpentines, etc., also on the ground on \pm basic dunes, more rarely on bark of baserich deciduous trees.

Literature: Poelt & Vezda. 1981. Erg. II. Purvis & James, 1992. Agonimia. In: Purvis, et al., Lichen Flora of Great Britain and Ireland. Galloway, D. 1985. Flora of New Zealand Lichens.