

**Pertusaria orarensis** A.W.Archer & Elix, in A.W.Archer, *Biblioth. Lichenol.* 69: 117 (1997)

T: Orara State Forest, 23 km WNW of Coffs Harbour, N.S.W., 30°15'S, 152°55'E, 17 Sept. 1996, A.W.Archer P857; holo: NSW.

Illustration: A.W.Archer, *op. cit.* 123, fig. 37.

Thallus pale greenish grey, thin, smooth and slightly glossy. Soredia and isidia absent. Apothecia inconspicuous, verruciform, scattered, rarely confluent, flattened-hemispherical, concolorous with the thallus, 1.0–1.5 mm diam. Ostiole inconspicuous, black, punctiform, 1 per verruca. Ascospores 8 per ascus, irregularly biseriate, ellipsoidal to subfusiform, 70–92 × 25–33 µm.

*Chemistry*: Thallus K–, KC–, C–, Pd–; containing divaricatic acid (major), 2-chlorolichexanthone (minor), methyl 2,2'-di-O-methyldivaricatate (minor) and methyl 2-O-methyldivaricatate (trace).

An endemic, corticolous species that is known from two localities in north-eastern N.S.W.

N.S.W.: Orara S.F., 7 km NNE of Coffs Harbour, A.W.Archer P851 (NSW).

The species is characterised by 8-spored asci and the presence of 2-chlorolichexanthone and divaricatic acid in the thallus. Divaricatic acid is also found in *P. pseudothwaitesii* and *P. sydneyensis*.