**Pertusaria leucostigma** Müll.Arg., *Flora* 67: 462 (1884)

T: Cunninghams Gap, Qld, 1883, C.Hartmann s.n.; holo: G.


Thallus pale olive-green, coarsely cracked and areolate, somewhat wrinkled, minutely tuberculate and dull. Soredia and isidia absent. Apothecia conspicuous, verruciform, scattered, rarely confluent, slightly flattened-hemispherical, not constricted at the base, 1.0–1.5 mm diam. Ostiole inconspicuous, initially pale, becoming darker, 1 per verruca. Ascospores 8 per ascus, irregularly uniseriate, subfusiform to ellipsoidal, 75–105 × 30–45 µm.

**Chemistry:** Thallus K−, KC−, C−, Pd−, UV+ yellow; containing lichexanthone (major) and 2-O-methylperlatolic acid (major).

An endemic, corticolous species in eastern Qld and N.S.W.; often found on *Casuarina* beside lakes and rivers.

Qld: Natural Arch Natl Park, J.A.Elix 1120 (CANB). N.S.W.: L. Mummuha, Bodalla S.F., A.W.Asher P555 (MEL, NSW); Murray Scrub Lookout, Toomnumbar S.F., 28 km WNW of Kyogle, A.W.Asher P396 (NSW, PERTH); Glenbrook Ck, Blue Mountains Natl Park, K.Kalb 18872, 20513 (Herb. K.Kalb).

**Pertusaria leucostigma** is characterised by asci with 8 fusiform ascospores and the presence of lichexanthone and 2-O-methylperlatolic acid in the thallus. This chemistry distinguishes it from the morphologically similar *P. subrigida*. 