

***Pertusaria endoxantha* Vain., *Hedwigia* 37: 41 (1898)**

T: Kikuyu, Uganda (sic), [Kenya], *G.F.Scott-Elliott* 34a p.p.; holo: TUR-V 6812.

*Pertusaria norstictica* A.W.Archer, *Mycotaxon* 41: 232 (1991). T: Campania, 27 km N of Hobart, Tas., on *Acacia mearnsii* in open woodland, 22 Mar. 1981, *G.Kantvilas* 211/81; holo: HO.

Illustrations: A.W.Archer, *Biblioth. Lichenol.* 69: 106, fig. 36 (1997), as *P. norstictica*; A.W.Archer, J.A.Elix, E.Fischer, D.Killmann & E.Sérusiaux, *Nova Hedwigia* 88: 312, fig. 1C, D (2009).

Thallus off-white to pale olive-green, areolate and cracked, dull. Soredia and isidia absent. Apothecia numerous, verruciform, scattered, rarely confluent, flattened-hemispherical, concolorous with the thallus, 1–2 mm diam. Ostioles black, punctiform, inconspicuous in a hyaline zone 0.2–0.3 mm diam., 1–3 per verruca. Ascospores 8 per ascus, regularly or irregularly uniseriate, elongate-ellipsoidal to subfusiform, smooth, 60–95 × 20–37 µm.

*Chemistry*: Thallus K+ yellow then red, KC–, C–, Pd+ yellow; containing norstictic acid (major) and connorstictic acid (trace).

A widely distributed but uncommon corticolous species in Qld, N.S.W. and Tas.; also in East Africa, Indonesia and Papua New Guinea.

Qld: Black Mtn, 25 km NW of Kuranda, *H.Streimann* 31137 (CANB); Bunya Mtns, 56 km NE of Dalby, *J.Hafellner* 18935 (GZU). N.S.W.: Toonumbar S.F., 26 km NW of Kyogle, *A.W.Archer* P435 (NSW); Minyon Falls, 25 km NE of Lismore, *D.Verdon* 3935 (CANB); Mount Wilson, *K.Kalb* 20467 (Herb. K.Kalb).

*Pertusaria endoxantha* is characterised by asci with 8 uniseriate ascospores and by norstictic acid in the thallus. It was previously known from Australia as *P. norstictica* A.W.Archer. It has also been reported from Africa under the later names *P. macrostomoides* C.W.Dodge and *P. prolifera* C.W.Dodge.