

Rubinoboletus ballouii



Rubinoboletus ballouii © Pat Leonard

Pileus: plano-convex; < 90mm diameter; smooth; orange red.

Stipe: cylindrical, solid; 70 – 100 × 8 – 15 mm; peach-orange, slightly discolouring on exposure to air.

Pores: bright yellow to buff; 6-7 pores per mm, emarginate.

Flesh: thick, cream-colour.

Spore print: pale ochraceous cream in mass.

Spores: broadly ellipsoid to short cylindrical; 6 - 7.5 × 4 - 5 µm; thin-walled, smooth.

Basidia: 4-spored, 30 - 40 × 8 - 10 µm, hyaline, with long sterigmata.

Cheilocystidia: clavate to ventricose, obtuse to ventricose-fusoid, ± drawn out; 40 - 75 × 8 - 15 µm; thin-walled, filled with large or small, yellow or hyaline oily globules.

Pileipellis: poorly developed, irregular trichoderm which soon collapses, of obtusely rounded, swollen, cylindrical end-cells 3 - 7.4 µm broad, and filled with golden yellow oily contents.

Habitat: In dry sclerophyll forest under *Eucalyptus* but also reported with *Nothofagus*.

Collection: PL21414, Coolum National Park, Pat Leonard, 5 April 2014.

Notes: *R. ballouii* is characterized by its bright colours, rather tough nature, and therefore long-living basidiomata, dingy-coloured pores, tubes and flesh, and microscopically by the clavate to ventricose cheilo- and pleurocystidia filled with large and small colourless or yellowish oily droplets, and rather small broadly ellipsoid almost hyaline (s.m.) basidiospores. The pileus colour is rather variable depending on age and population.