

Phylloporus australiensis



Phylloporus australiensis © Pat Leonard

Cap: convex then appanate, becoming centrally depressed with age; 40 - 60 mm diameter; very smooth, yellow brown.

Stipe: tapering downwards with a sub-bulbous base; 50 - 70 × 8 - 12 mm; smooth near white, yellowish tinge; basal bulb and mycelium white.

Gills: subdecurrent; thick, brilliant yellow; not changing colour on bruising, no cross gills.

Flesh: white with a slight yellow tinge; unchanging on exposure to air.

Taste:

Spores: olive brown; 10.7 - 13.9 × 4.5 - 6.6 µm, average 12.5 ± 0.8 × 5.4 ± 0.6 µm, Q = 1.85 - 2.88, average Q = 2.33 + 0.3; subfusiform, amygdaliform, smooth.

Basidia: 4-spored, 28 - 30 × 7.5 - 9 µm.

Pleurocystidia: prominent, lageniform; 40 - 60 × 10 - 12 µm; with a thickened wall and hyaline/oily contents at apex.

Pileipellis: a cutis.

Habitat: in small groups in open forest with *Eucalyptus* and *Allocasurina*.

Notes: The genus *Phylloporus* contains several species in Australia which can only be distinguished on with difficulty on the basis of microscopic characters. The present collection keys to *P. australiensis* in Watling and fits well except that no rostrate cheilocystidia were found.

Collections examined: PL106310, Dr Roberts Waterhole Track, Girraween National Park, Pat Leonard, 22 March 2010; PL44312, Maroochy Bushland Botanic Garden, Sunshine Coast, Pat Leonard, 27 Mar 2012.