

Rubinoboletus sp 1



Rubinoboletus sp1 © Sapphire McMullan Fisher

Cap: Applanate to plano convex; 25-50 mm diameter; brownish orange to apricot (6B6, 6C6); velvety at first, paler or more apricot toward edge, margin appendiculate.

Stipe: cylindrical with a tapering base in some fruit bodies; 25-40 mm x 10-12 mm; sulphur- to chrome-yellow at apex, concolorous with cap lower down; minutely punctuate but not reticulate, white or yellowish mycelium attached to base.

Pores: ovoid, irregular, some much larger than others, lemon-colour to chrome - yellow, becoming fulvous with age.

Flesh: yellowing very slowly in pileus, pinkish buff in and above tubes, then slowly browning in tubes and upper stipe.

Spores: ovoid to broadly ellipsoid; $5-6 \times 3.5-4.5 \mu\text{m}$; smooth.

Cheilocystidia: None seen.

Pileipellis: : a cutis of repent to closely interwoven cylindrical hyphae 4-6 μm wide.

Habitat: growing singly or in pairs in the ground under *Syncarpia glomulifera* or *Eucalyptus pilularis*.

Notes: This appears to be a *Rubinoboletus* but the spore sizes and colours do not quite match either of the species in Watling. It is recognized in the field by the small stature apricot orange cap colour and lemon yellow stipe. The very small, ovoid, unornamented spores are most unusual for a boletoid fungus, but close to *Rubinoboletus phaseolisporus* from WA.

Collections examined: PL 61108, Mapleton Forest, Mapleton, 26 Nov 08.