Marasmius hypophaeus

Cap: obtusely conical, becoming plano-convex with age; 4-8mm diameter; saffron orange to apricot, usually darker at the centre, surface dry, dull, with plicate margin.

Stipe: tough thin wiry; 20 - 40 × 0.2mm; apex pale cream becoming orange to brown to dark brown/black at base, glabrous, insertion usually with small whitish subiculum.

Gills: free to adnexed, subdistant, (12 – 14), with occasional lamellulae only, moderately broad 1-2mm, cream coloured with a narrow pale orange margin.

Flesh: very thin, white

Spores: Spore print white, spores narrowly clavate, (14.3-)15.3 – 17.3 (-17.7)μm × (3.7-) 3.9 – 4.4 (-4.6)μm, Q =3.3 -4.3, slightly curved, hyaline, thin walled, inamyloid.

Basidia: not seen, gill edge appears sterile

Cheilocystidia: very common, broom cells of Siccus type, cylindrical or subclavate, main body 11-14 × 5-6μm, thin-walled with apical setules, crowded 4-6 × 1-1.5μm, irregular, orange and thick-walled.

Pleurocystidia: Of two types a) very common, large, cylindrical to clavate, with attenuated apex and occasionally strangulate up to 25 μm, inamyloid and thin-walled; and b) rare Siccus type broom cells, 11-11.6 μm thin-walled body, with apical setules 3-5 μm, irregular and thin to thick-walled.

Pileipellis: Hymeniderm of Siccus type broom cells, cylindrical 17-18 μm thin walled body, with crowded apical setules 4-5 X 0.8-2μm irregular and thick-walled, also broadly clavate broom cells, main body 11 X 6.5μm with very crowded thick-walled setules of 3-5 X 1-1.5μm.

Caulocystidia: At upper end of one stipe examined, rare caulocystidia of Siccus type broom cells found, thin walled cylindrical to clavate, 20-22 X 4.5-8μm body with thin to thick-walled setules 3-5 X 1μm. The remainder of the stipe consisted of thick walled parallel hyphae.

Substrate: Casuarina needles, rainforest leaves and small twigs.
**Habitat:** Subtropical rainforest and moist garden areas

**Notes:** This Marasmius is one of the most common in the Maleny area, and it appears regularly after summer rains, often in groups of scores.

**Collections examined:** Collected by F Guard (Spec.F2012035 ->BRI). Det. F Guard from “A Preliminary Monograph of Marasmius of Java and Bali” by Desjardin et al 2000. The Maleny specimen differs from the ones described in this monograph in having some (rare) caulocystidia, and the non-setulate pleurocystidia being shorter. In all other features, it fits well with *Marasmius hypophaeus.*