

Marasmius “tall dimpled buff”



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Cap: 1.5-5mm diameter, parabolic to convex, dimpled with minute orange papilla centrally, palest pink-buff, sulcate

Stipe: 30-40 x 0.5mm, thin wiry, black base, pale upper end, insititious insertion.

Lamellae: distant, 8-10, with occasional lamellulae only, adnate attached to a collar, white

Flesh: very thin

Spores: spore print white; spores inamyloid, smooth, clavate, average 16.5 x 4 μ m, Q_{av} =3.91; range 15.5-17.5 x 4-4.5 μ m, Q_{min} =3.48, Q_{max} =4.29

Basidia: 4 spored, 23-34 x 8-9.5 μ m

Pleurocystidia: absent

Cheilocystidia: Siccus type broom cells, common, narrowly clavate to cylindric, 15.5-25.5 x 7.5-11 μ m, with sparse to crowded obtuse short digitations, 0.5-3 x 1-2 μ m, sometimes thick walled and refractive

Pileipellis: Hymeniderm of Siccus type broom cells, cylindric, clavate to broadly clavate, mostly thin walled, rarely branched, 9.5-16 x 6-8.5 μ m, with crowded short (almost nodulose) digitations, some thick walled 2-4 x 1-1.5 μ m

Substrate: leaf litter of exotic fruit trees and native STRF vegetation in old brush turkey mound

Habitat: regenerating STRF

Collections examined: F2019026, Collector FE Guard, Dilkusha Nature Refuge, Maleny, 24/4/19.

Notes: This specimen keys to Sect. *Marasmius*, (collariate & insititious stipe); Subsect. *Sicciformes* (Siccus type broom cells) It was found growing with the dwarf white dimpled *Marasmius*, which keys out to *Marasmius leucorotalis*. However, this has very different spores and broom cells.