

## *Marasmius clocca* sp. nov.



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**Cap:** 4–9 mm, sienna (11), margin paler, conic to broadly conic, sulcate, dry surface.

**Stipe:** thin, wiry, 35–50 × 0.1–0.2 mm; brown base, reddish-brown mid-section, to buff apex; glossy surface, small yellowish-buff basal mycelial pad.

**Gills:** distant, 12–16, with occasional lamellulae; white with margin concolorous with cap, free.

**Flesh:** thin, white.

**Spores:** white spore print; spores inamyloid, smooth, clavate, slightly curved in profile; average  $15.5 \times 4 \mu\text{m}$ , range  $14.5\text{--}17.5 \times 3.5\text{--}4 \mu\text{m}$ ;  $Q_{\text{av}} = 4.11$ ;  $Q_{\text{min}} = 3.74$ ;  $Q_{\text{max}} = 4.47$ .

**Basidia:** 4-spored.

**Cheilocystidia:** *Siccus*-type broom cells, cylindric to clavate; body  $11\text{--}18 \times 5.5\text{--}7 \mu\text{m}$ ; setules  $3\text{--}4.5 \times 1.5 \mu\text{m}$ , mostly thin-walled.

**Pleurocystidia:** nil.

**Pileipellis:** hymeniderm of *Siccus*-type broom cells, clavate to broadly clavate and occasionally divided; body  $8\text{--}11 \times 5\text{--}9 \mu\text{m}$ ; setules  $2.5\text{--}5 \times 1\text{--}1.5 \mu\text{m}$ , mostly thick-walled.

**Caulocystidia:** nil.

**Habit:** gregarious, groups of 6–10 over 3 sq. m.

**Habitat:** regenerating subtropical rainforest.

**Substrate:** leaf litter or *Casuarina* needles.

**Collections examined:** F2015028, Dilkusha NR, F.E. Guard, 27 Jan 2015; F2019035, Dilkusha NR, F.E. Guard, 1 May 2019; and others.

**Notes:** This little *Marasmius* is very common in disturbed habitat, road verges and regenerating subtropical rainforest from FNQ to central NSW. It occurs with other species and may be confused with *M. lebeliae* Guard, which has a more cinnamon cap and sparser gills (7–11), with non-coloured edge, and much longer spores (av. 32  $\mu\text{m}$ ). Its sister species (with DNA confirmation) is *M. bambusiniformis*, which is widespread in SE Asia and the Pacific, it though does not appear to occur in Australia. *M. clocca* should be recognisable in the field.