

Marasmius musisporus Desjardin & E. Horak



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Cap: 15-45mm diameter, dry smooth, parabolic to broadly campanulate, central depression with flattened umbo, sulcate-striate, vinaceous buff(31) with milky coffee(28) radial depressions; umbo light brown centre and darker perimeter

Stipe: 50-90 x 1-2mm, wiry, base hazel (27), mid section clay buff (32), apex pale vinaceous buff (31), powdery off-white coating; large yellowish-brown basal mycelial mat (~50 x 20mm)

Lamellae: pale vinaceous buff (31), sparse (13) with 2-3 very short lamellulae, free to almost adnexed.

Flesh: White, thin.

Taste: not observed

Spores: inamyloid, smooth, curved cylindrical-clavate, average 32 x 4.5mu, range 30-33.5 x 3.5-5.5mu ("Banana shaped")

Basidia: not seen

Pleurocystidia: nil

Pileipellis: a hymeniderm of Globulares type smooth, hyaline, thin walled, clavate cells, ?46 x 10mu

Substrate: rotting wood, amongst litter

Habitat: wallum woodland

Collections examined: AQ876971 QMS foray 030, Sapphire McMullan-Fisher

Notes: With this large distinctive cap and enormous banana shaped spores, this specimen is almost certainly *Marasmius musisporus* as described by Desjardin and Horak from PNG in *Marasmius and Gloiocephala in the South Pacific Region: Papua New Guinea, New Caledonia, and New Zealand Taxa Part 1: Papua New Guinea and New Caledonia Taxa* 1997. It is in Section Globulares and is the first specimen of the taxa to be collected and identified in Australia.