

## *Russula resinacea*



*Russula resinacea* © Pat Leonard

**Cap:** applanate to centrally depressed, 45 – 60 mm diameter; rugulose, uneven with small bumps, reflective; light yellow brown (6D7); rimulose at cap margin (cracking radially).

**Stipe:** cylindrical, hollow, chambered; 10 - 40 × 5 - 15 mm; glabrous; pale yellow brown (5A3).

**Gills:** adnexed; pale yellow brown with a darker edge; lamellulae absent.

**Flesh:** white at first but browning slightly on exposure to air.

**Taste:** mild at first then slowly hot.

**Smell:** strong, resinous as in pine resin.

**Chemical reactions:** FeSO<sub>4</sub> on stipe: salmon; guaiac on base of stipe: negative.

**Spore print:** pale cream to off white.

**Spores:** globose; 8.1 – 9.8 × 7.7 – 9.6 μm, average 8.7 ± 0.4 × 8.45 ± 0.45 μm, Q = 1 – 1.07, average Q = 1.03 ± 0.02; with bold amyloid ridges and warts forming a zebroid partial reticulum.

**Basidia:** narrowly clavate; 55 – 65 × 12 – 15 μm; four spored.

**Cheilocystidia:** not observed.

**Pleurocystidia:** fusoid cylindrical; 55 – 65 × 9 – 13 μm; a very few with mucronate apices.

**Dermatocystidia:** absent.

**Pileipellis:** an ixocutis of irregularly arranged gelatinised hyphae.

**Habitat:** growing in soil in a dry sclerophyll forest dominated by Eucalypts.

**Notes:** this relatively small *Russula* with a rimulose brown cap is in the *Foetentinae* and probably quite close to the European *R. illota* but it is smaller and has different spores. An undescribed *Russula* that is not in Cleland or Grgurinovic.

**Collections examined:** CH022, Chermside Hills Nature Reserve, Brisbane, Pat Leonard, 31 Mar 2012; PL57413, Arthur Harrold Reserve, Cooloola, Great Sandy National Park, Pat Leonard, 12 Apr 2013.