

## Matchmaker: Mushrooms of the Pacific Northwest

Below are written descriptions and images of fruiting bodies, mushrooms, of the fungal species in this ectomycorrhizal association. The information is from the web version of the Matchmaker: Mushrooms of the Pacific Northwest (MMPNW) created by the Canadian Forest Service and based on the Windows MMPNW version 1.3 by Ian and Eli Gibson.

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**LATIN NAME(S)** *Cortinarius malicorius* Fr. *Epicr. Syst. mycol.*: 289. 1838; *Dermocybe malicoria* (Fr.) Ricken; *Dermocybe croceofolia* (Peck) Moser

**NOTES** subgenus *Dermocybe*; characterized by more or less persistent coating of yellow-orange, orange, or reddish orange fibrils on cap margin and stem surface, yellow-orange to orange gills, and often olivaceous flesh, other features include dry cap with ground color yellowish olive to olivaceous, becoming orange cinnamon to orange brown except tinted orange yellow to brownish orange-yellow on margin, and dry yellowish stem tinted orange at base, the stem becoming olivaceous or dingy brown; description derived from Ammirati(9) except where indicated; found at least WA and reported from BC, CHEMICAL REACTIONS KOH reactions of cap cuticle and flesh blood-red to mahogany-red, then blackish purple, on gills ink-red, then blood-red, and lastly blackish-red, (Moser in Hoiland)

**CAP** 1.5-5cm, obtusely conic becoming convex to flat, umbonate, more or less depressed around umbo, margin incurved to decurved, edge slightly inrolled at first; ground color at first yellowish olive to olivaceous overall, disc and inner margin becoming deep orange cinnamon, reddish brown, or reddish fulvous, edges becoming tinted orange-yellow to brownish orange-yellow, when old or when wet olivaceous tones more prominent overall, at first with a covering of yellowish orange or reddish orange fibrils, these more or less persistent on the margin; moist to dry, not hygrophanous, appressed fibrillose to more or less fibrillose-scaly

**FLESH** solid, firm to watery, more or less fragile; in cap dull yellow to yellowish olive becoming watery olive, in stem bright yellow in cortex at top, downward duller yellow to olivaceous becoming dark olivaceous to brownish olive especially when moist, pith dull yellow to yellow-olive especially around hollow part and in base



Ben Woo

**GILLS** adnate to adnexed or sinuate, when old sometimes seceding, close, 0.4-0.8cm broad, more or less ventricose (broader in middle); at first yellowish orange to light orange (or in buttons with a slight olive tint), becoming brownish orange to rusty orange, when old dull rusty orange or tinted brownish olive; edges more or less even, sometimes more or less yellowish

**STEM** 2-7cm x (0.25)0.5-0.9cm, slightly clubshaped to equal or more or less tapered downwards; ground color at first light yellow to dull yellow with bright yellow apex, base often tinted dull orange to pinkish orange, when old olivaceous to brownish olive or dark dingy brown especially below, at first with a coating of yellowish orange or orange to reddish orange fibrils to near the top, these more or less persistent; surface appressed fibrillose

**VEIL** cortina yellow

**ODOR** more or less radishlike

**TASTE** more or less radishlike

**EDIBILITY** no

**HABITAT** scattered to gregarious in coniferous woods, often fruiting moist areas, sometimes in Sphagnum

**SPORE DEPOSIT** rust brown

**MICROSCOPIC** spores 6-7(7.5) x 3.8-4.6 microns, elliptic, rough, pale to light brown, (Ammirati), no pleurocystidia, marginal cells cylindric to clavate, some with one or two septa, end cells 10-30 x 5-10 microns, (Breitenbach), spores (5)5.5-7(7.5) x 3.5-4.5(5) microns, ovoid to almond-shaped, punctate, yellow-brown; basidia 4-spored, 24-33 x 5-6 microns, colorless or with bright yellow granular content; gill edge fertile, with insignificant, clavate, thin-walled, colorless cheilocystidia, 15-20 x 5-6.5 microns, (Hoiland)

**NAME ORIGIN** means "pertaining to the rind of the pomegranate" (Latin)

**SOURCES** Ammirati(9), Phillips\*, Courtecuisse\*, Ammirati(3), Breitenbach(5)\*, Hoiland

**FAMILY** Cortinariaceae of Order Agaricales