

## 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 callisteus* (Fr.:Fr.) Fr. *Epicrisis Systematis Mycologici* p.281. 1838; *Cortinarius croceocolor* Kauffman

**NOTES** subgenus *Leprocybe*; characterized by pale buffy yellowish gills, roundish spores, and unique odor; description here is from Thorn except where noted; found in BC, WA, OR, ID

**CAP** 2.2-7.0cm, convex or convex-turbinate to expanded, (Phillips gives convex expanding to flattish or with a central flat area); light yellow, yellowish tan, "ochraceous" to grayish red (last color from Kornerup 7B5); dry, bald or slightly cracked or with small concentric slightly recurved scales that are concolorous at first but darken with age

**FLESH** moderately thick; white to yellowish or orange-white

**GILLS** adnexed or sinuate with decurrent tooth, close to subdistant; at first yellowish or grayish yellow, then rusty or "raw sienna"

**STEM** 4-9cm x 0.7-1.5cm at top, equal or with slightly bulbous base (Phillips gives up to 3cm for basal bulb diameter); light yellow, golden yellow or "orange-ochraceous"; fibrillose, or banded with veil remnants that are grayish red to reddish brown (Kornerup 8B5 to 8D5), (Thorn), with a distinct ring from universal veil when young (Phillips)

**VEIL** fleeting yellowish white cortina, universal veil leaves grayish red to reddish brown remnants on stem, Phillips says distinct ring from universal veil when young

**ODOR** locomotive (Moser), distinctive, described variously as scorched linen, heated laundry iron, hotplate, hot metal, or locomotive (Paul Kroeger, pers. comm.), slight (Phillips), sharp funguslike or of potatoes or radish-like (Thorn)

**TASTE** mild or bitter

**EDIBILITY** no

**HABITAT** conifer woods

**SPORE DEPOSIT** rusty brown (Phillips)

**MICROSCOPIC** spores (6.1)6.8-7.9(8.7) x (4.8)5.5-6.5(7.2) microns, broadly ovate or subglobose to globose (nearly round to round), finely to coarsely warted; basidia 4-spored, (32)35-46 x 8-12(13) microns, clavate; pleurocystidia and cheilocystidia lacking, (Thorn), no pleurocystidia, marginal cells 15-25 x 8-10 microns, basidiolate-like, (Breitenbach)

**NAME ORIGIN** from Greek 'kallistos' meaning 'most beautiful'

**SIMILAR** like *rainierensis* but more brightly colored with definite club-shaped stem and different spores; like *limonius* which has duller colors, no distinct smell, and has cheilocystidia

**SOURCES** Thorn, Phillips\*, Courtecuisse\*, Moser(1), Breitenbach(5)\*

**FAMILY** Cortinariaceae of Order Agaricales