

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) *Lyophyllum rancidum* (Fr.) Singer; *Collybia rancida* (Fr.) Quelet; *Tephrocybe rancida* (Fr.) Donk

NOTES features include brownish gray color, slender rooting sometimes lengthy stem, and strongly farinaceous-rancid odor; common in OR (Lorelei Norvell, pers. comm.), also Europe

CAP 2-4(5)cm wide, hemispheric to bellshaped becoming convex to flat, always with distinct obtuse umbo; gray-brown, black-gray with steel-blue tint; smooth, satiny, innately radially fibrillose, sometimes whitish-pruinose, not hygrophanous, margin sharp, (Breitenbach), up to 5cm, umbonate then expanded; dark lead gray, tinted brown in places; smooth or finely wrinkled, (Courtecuisse), gray, somewhat white-silky-pruinose, (Moser)

FLESH thin; whitish when young becoming gray, (Breitenbach)

GILLS strongly notched to almost free, 36-42 reach stem, broad; edges smooth to somewhat wavy, (Breitenbach)

STEM 4-10cm x 0.2-0.5cm, equal, with a fusiform rootlike extension up to 5cm long, hollow, sometimes attached off-center; gray to brown-gray, apex paler; smooth to slightly longitudinally fibrillose, apex white-pruinose, (Breitenbach), stiff, rooting; gray; silky-fibrous (Moser)

ODOR strongly farinaceous-rancid (Breitenbach)

TASTE mild, farinaceous, (Breitenbach)

HABITAT solitary to gregarious in hardwood and coniferous forests (Breitenbach)

SPORE DEPOSIT white (Breitenbach)

MICROSCOPIC spores 6.1-8.4 x 3.5-4.5 microns, elliptic, smooth, inamyloid, with drops; basidia 4-spored, 25-28 x 5.5-7 microns, slenderly clavate with basal clamp, with siderophilous granules; cystidia not seen; cap cuticle of parallel hyphae 2.5-7.5 microns wide, some swollen, brown-pigmented, occasional septa with clamps, (Breitenbach), spores 7-8 x 3-4 microns, (Moser)

NAME ORIGIN refers to rancid odor

SOURCES Breitenbach(3)*, Courtecuisse* (as *Tephrocybe*)

FAMILY Tricholomataceae of Order Agaricales