

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) *Gomphidius glutinosus* (Schaeff. ex Fr.) Fr. Epicr. Syst. Myc. p.319. 1838

ENGLISH NAME(S) glutinous Gomphidius, slimy Gomphidius

NOTES features include gray-brown to purple-gray or reddish-brown slimy smooth cap which is often spotted or stained blackish, decurrent close broad thick grayish white young gills, white stem narrowing toward yellow base, slimy partial veil, growth under conifers, smoky gray to blackish spore deposit, and elongated spores; var. *purpureus* from ID, AB, MT, NM has cap that is light purple, drab brown, vinaceous brown to dark purple; var. *salmoneus* from ID has cap that is salmon color, often light purplish just at center; Miller examined collections of var. *glutinosus* from WA, ID, also AB, PQ, AK, AZ, CA, MI, MT, NM, and many reports of *G. glutinosus* from BC, also Europe (including Switzerland)

CAP 2.5-10cm, peglike expanding to convex or flat, margin upturned; gray-brown to purple-gray or reddish-brown, often spotted or stained blackish; slimy, smooth

FLESH thick, soft; pallid to whitish with a pinkish hue

GILLS decurrent, close, broad, thick, somewhat waxy, several tiers of subgills, gills rarely forked; grayish-white, becoming smoky, do not stain red where pressed

STEM 5-10cm x 0.5-2cm, thick, narrowing toward base, solid; white, yellow over lower three fourths

VEIL partial veil slimy, with white fibrils underneath the glutinous layer, leaving a thin slimy, superior ring on stem

ODOR mild

TASTE a bit sour

EDIBILITY yes, remove cap cuticle first

HABITAT solitary to scattered, or occasionally cespitose (tufted), under conifers especially spruce

SPORE DEPOSIT smoky gray to blackish

MICROSCOPIC spores 15-21 x 4-6(7.5) microns, narrowly elliptic in face view, subfusiform (somewhat spindle-shaped) in side view, smooth, gray brown in KOH, ochraceous in Melzer's, (Miller); basidia 4-spored, 32-48 microns, clavate, colorless in KOH, wea

NAME ORIGIN means "covered with glue"



Ben Woo



Ben Woo



Michael Beug

SIMILAR like oregonensis but does not often grow in clumps and usually has a darker or purpler cap when young (colors overlap however); like smithii which is pale purple-vinaceous as opposed to dark purple-drab to vinaceous-drab for glutinosus; like subroseus which is typically pink to ochre red as opposed to salmon, purple, to reddish brown for glutinosus, and typically has fascicles of caulocystidia at apex of stem (but caulocystidia, scattered or in small loose fascicles, occasionally found in specimens otherwise typical of glutinosus), can at times be different to separate, (Miller)

SOURCES Lincoff(2)*, Lincoff(1)*, Schalkwijk-Barendsen*, Kibby*, Courtecuisse*, Bessette(2)*, Breitenbach(3)*

FAMILY Gomphidiaceae of Order Boletales



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