

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) *Crepidotus applanatus* (Pers.) Kummer Der Fuhrer in Pilzk. p.74. 1871 var. *applanatus* sensu Jossierand

ENGLISH NAME(S) flat crep

NOTES distinguishing characteristics include white stemless cap, gills white at first, close and narrow, small round minutely spiny spores (4-5.5 microns), no pleurocystidia, and clubshaped to ventricose cheilocystidia, other varieties have different cheilocystidia or larger spores (5.5-7.5 microns); widely distributed and common, Schalkwijk-Barendsen reported it from BC, Hesler & Smith examined collections from ID, MA, ME, MI, NC, NH, NY, OH, TN, VT, France, and (var. *diversus*) also from ON, PQ and (var. *globigera*) also from CA

CAP 1-4cm, shell-shaped to petal-like, spathulate, kidney-shaped, or semicircular; hygrophanous, white, becoming brownish or somewhat vinaceous to buff or dull cinnamon; bald, at times more or less pubescent, villose or fibrillose at base, margin striatulate when wet, (Hesler), 1-4cm, shell-shaped to petal-like; white, becoming brownish to cinnamon; moist, smooth or minutely hairy, (Lincoff)

FLESH thin; white, (Hesler)

GILLS narrowly adnate-decurrent, close or crowded, narrow, subgills numerous; white, then brownish; edges fimbriate (fringed) to even, (Hesler), radiating from point of attachment, close to crowded, narrow; white, becoming brownish, (Lincoff)

STEM none, (Phillips), attached to wood by hairlike strands (Lincoff)

VEIL none

ODOR mild (Hesler)

TASTE mild (Hesler)

EDIBILITY no (Phillips)

HABITAT on hardwood, more rarely on conifers, (Hesler), in clusters on dead deciduous wood, (Phillips), in overlapping clusters on dead deciduous wood, (Lincoff)

SPORE DEPOSIT "Soyal brown" to "cinnamon brown", (Hesler), brown (Phillips), brown to cinnamon-brown (Lincoff)

MICROSCOPIC spores 4-5(5.5) x 4-5(5.5) microns, larger in var. *globigera* (5.5-7.5 microns), round, punctate, (Hesler); basidia 4-spored, 22-27 x 6-7 microns; pleurocystidia none, cheilocystidia 20-40(50) x 5-10(12) microns, clubshaped to ventricose, at times capitate; cap tissue interwoven, cap cuticle of repent hyphae, at times with scattered erect hyphae and cystidia, 25-65 x 5-10(12) microns, club-shaped or ventricose; clamp connections present, (Hesler), spores 4-5.5 microns, round, minutely spiny, no germ pore, (Lincoff)

NAME ORIGIN *applanatus* means "flattened"

SOURCES Hesler(3), Lincoff(2)*, Phillips*, Schalkwijk-Barendsen*, Courtecuisse*, Bessette(2)*, Barron*

FAMILY Cortinariaceae of Order Agaricales