

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) *Paraeccilia sericeonitida* (P.D.Orton) Largent var. *sericeonitida* Entolomatoid Fungi of the Western United States and Alaska. 378. 1994

NOTES member of Largent's *perundata* complex (dark brown caps similar in size); distinguished by gray gills, satiny stem due to whitish appressed fibrils, farinaceous odor and taste, growth on ground, and absent pleurocystidia and cheilocystidia; found at least WA, ID, CA, United Kingdom (Scotland), uncommon in western North America

CAP 1.4-4.2cm, convex to flat-convex, shallowly depressed to umbilicate, margin inrolled, finally flat and fluted; hygrophanous, dark smoky to "wood brown" with drab streaks, fading to drab; dry, margin opaque

FLESH 0.1-0.2cm thick; hygrophanous, black fading to gray

GILLS broadly adnate-decurrent, subdistant, arched; gray, becoming pinkish from spores

STEM 1.5-3.5cm x 0.15-0.4cm, more or less equal, frequently flattened; hygrophanous, grayish brown, silvery and satiny due to whitish appressed fibrils, striate, white mycelium at base

VEIL absent

ODOR cucumber

TASTE farinaceous

HABITAT on ground in mixed woods or coniferous woods

SPORE DEPOSIT presumably pinkish brown

MICROSCOPIC spores 5.6-9.8 x 4.6-7.6 microns, indistinctly angular, smooth; basidia 31.6-40.8 x 8.7-9.7 microns; pleurocystidia and cheilocystidia absent; tramal hyphae of gills 60-100 x 4-10 microns; pileipellis a layer of entangled hyphae, loosely arranged on disc, repent toward margin, pileocystidia 47-56.6 x 5.8-9.1 microns, clavate to cylindro-clavate, tramal hyphae of cap 30-160 x 9-28 microns; stipitipellis composed of some loose hyphae, caulocystidia rare, 30.5-51.5 x 3.8-5.4 microns, cylindrical to cylindro-clavate, vascular hyphae abundant in trama of gills and cap; clamps present at base of basidia, absent on all other parts; pigmentation in pileipellis potentially membranous in outer suprapellis, heavily and distinctly incrustated on hyphae of inner suprapellis and cap trama, minutely and faintly incrustated on hyphae of trama of stem and gills

NAME ORIGIN 'sericeonitida' means 'silky shining'

SIMILAR *sericeonitida* var. *ligniphila* which has mild taste, mild odor, and grows on wood; like *rusticoides* (isodiametric pallid gills when young, spores isodiametric, a trichodermium composing the pileipellis); like *perundata* (mild or fungoid odor, mild to slightly bitter taste, cheilocystidia and pleurocystidia rare to abundant embedded in hymenium); like *nucisapora* (mild odor, hazelnut taste, bald stem)

SOURCES Largent*, PNW key derived from Largent

FAMILY Entolomataceae of Order Agaricales