

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) *Inocybe jacobii* Kuhn.

NOTES features include small size, orange brown center with yellow brown margin, stem pruinose the full length without bulb, and nodulose spores; description derived from Breitenbach except where noted; this taxon or a similar one occurs at least in WA (P. Matheny, pers. comm.); *I. fulvella* sensu Stuntz is probably the same taxon

CAP 0.8-2.0(2.5)cm, bell-shaped to hemispheric becoming flat with slight umbo; "red-brown when moist, ocher-brown when dry, with a fine coating from the whitish veil when young"; fibrillose-tomentose, at times finely scaly toward margin; margin with veil remnants attached from a long time and crenate (scalloped)

FLESH thin; whitish; reddish brown in stem

GILLS narrowly attached, 21-25 reach stem, broad; light ocher when young, later rust-brown, edges white-floccose

STEM 1.5-2(4)cm x 0.15-0.2(0.3)cm, equal or narrowing downward somewhat, solid, fragile; cream colored background with reddish cast, white pruinose over entire length

ODOR slightly spicy (Breitenbach), spermatic (Stuntz for *I. fulvella*)

TASTE mild

HABITAT usually gregarious on sandy soils near *Picea*, *Pinus*, and *Salix*, more rarely near *Betula*, (Breitenbach for Switzerland), under Douglas-fir (Stuntz for *I. fulvella*)

MICROSCOPIC spores 7.4-10 x 5.1-7.2 microns; elongate, with 8-12 nodules; basidia 4-spored, 25-31 x 8-10 microns, clavate, with basal clamp; cheilocystidia 40-70 x 10-18 microns, fusiform to lageniform, thick-walled, with apical crystals, among cheilocystidia are abundant pyriform cells, pleurocystidia are similar to cheilocystidia; caulocystidia toward base of stem; cap cuticle of periclinal hyphae 3-5 microns across, colorless to light brown and in part encrusted, septa with clamps, (Breitenbach), spore 8-11.5(12) x 5-7(8.5) microns (Stuntz for *I. fulvella*)

SOURCES Breitenbach(5)*, Stuntz(1)

FAMILY Cortinariaceae of Order Agaricales