

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) *Paxillus involutus* (Fr.) Fries

ENGLISH NAME(S) inrolled pax, roll-rim

NOTES features include dingy brownish cap with inrolled margin when young, decurrent gills that stain brown and are forked or veined near stem, and frequent association with birch; common in Pacific Northwest

CAP 4-15(20)cm, at first broadly convex with a strongly inrolled margin, then flat or centrally depressed with margin eventually unfurled; brown to dingy yellow-brown, olive-brown, or dingy reddish-brown, often with darker brown stains; viscid when moist but otherwise dry, smooth or with soft matted hairs that wear away, sometimes cracked when old, margin often slightly velvety or obscurely ribbed

FLESH thick, firm; pale buff to yellowish, but usually staining reddish to brown when cut

GILLS usually decurrent, close or crowded, often forking and/or forming pores (anastomosing) near the stem; pallid to pale yellowish becoming dingy yellow to olive, brownish to yellow-brown, staining dark brown or reddish-brown when bruised or in old age

STEM 2-7(10)cm x 0.5-4cm, usually shorter than width of mature cap, equal or tapered at either end, central to somewhat off-center, solid, firm, dry, smooth, colored like cap or paler, often with dingy reddish to dark brown stains

VEIL absent

ODOR mushroomy or slightly acid-fruity

TASTE acid

EDIBILITY poisonous: haemolysis and kidney failure

HABITAT usually scattered to densely gregarious on ground in woods, around the edges of bogs, and in treed parks or lawns, often with birch

SPORE DEPOSIT brown to yellow-brown, (Arora), rust-brown (Breitenbach)

MICROSCOPIC spores 7-10 x 4-6 microns, elliptic, smooth, (Arora), spores 6.6-10.2 x 5.1-6.7 microns, elliptic-oval, smooth; basidia 4-spored, 30-48 x 8.5-10.5 microns, clavate, with basal clamp; pleurocystidia and cheilocystidia 40-90 x 8-15 microns, fusiform, with brown contents; clamps mentioned for basidia and cap cuticle, (Breitenbach)



Alvin Funk



Michael Beug



Ben Woo

NAME ORIGIN means "inrolled"

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

FAMILY Paxillaceae of Order Boletales