

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) *Hebeloma crustuliniforme* (St.Amans) Quelet

ENGLISH NAME(S) poison-pie

NOTES features include smooth, viscid, pallid to pie-colored cap, adnate or notched brown gills, absent veil, and radishy odor, but there are other species fitting this description that can only be differentiated microscopically; Aanen(1) discuss a *Hebeloma crustuliniforme* complex consisting of *Hebelomas* lacking a partial veil, lacking a rooting stem, with weeping gills, lacking a loosening perispore on the spores, and having less ornamented spores relative to other veil-less *Hebelomas*; *crustuliniforme* common in Pacific Northwest: indicated by Smith for WA, OR, (and MI), and frequently on foray lists from BC

CAP 3-11cm, convex or broadly convex with inrolled margin, often lobed, becoming flat to obtusely umbonate or with an uplifted margin when old; whitish to buff, pale tan, or crust-brown (usually darker toward center and paler at margin); viscid when moist, smooth, margin naked

FLESH thick; white

GILLS adnate or notched, crowded (often appearing to slightly overlap one another); pallid when young, becoming watery brown and finally dull brown; edges white and minutely scalloped often beaded with water droplets in wet weather and brown-spotted when dry (but not as regularly as in *sinapizans*)

STEM 4-13cm x 0.5-1.5(2)cm, usually equal except for an enlarged base, solid, fibrillose, white or tinged cap color, top powdered or with flakes or granules (look against light), base sometimes with white mycelial threads

VEIL absent

ODOR distinctly or sometimes slightly radish-like

TASTE bitter

EDIBILITY poisonous, causing mild to severe gastrointestinal distress

HABITAT solitary, scattered or in groups or troops or fairy rings on ground in woods or in grass near trees

SPORE DEPOSIT rust-brown

MICROSCOPIC spores 9-13 x 5.5-7.5 microns, elliptic or almond-shaped, smooth or minutely rough; pleurocystidia absent, cheilocystidia abundant



Boleslaw Kuznik

NAME ORIGIN means "cookie-like"

SOURCES Arora*, Phillips*, Lincoff(2)*, Bessette(2)*, Lincoff(1)*, Ammirati*, Schalkwijk-Barendsen*, Kibby*, Courtecuisse*, Barron*, Smith(15), Aanen(1)

FAMILY Bolbitiaceae of Order Agaricales