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) Phylloporus rhodoxanthus (Schw.) Bresadola

ENGLISH NAME(S) gilled bolete

NOTES features are dry minutely velvety brown to reddish cap that looks like a Boletus, but has thick yellow gills that often bruise blue; reported from WA by O'Dell, not uncommon on foray lists in BC

CAP 2-5(12)cm, broadly convex to flat or with uplifted margin when old; dull brown to olive-brown or yellow-brown in one form, red to reddish-brown in another, sometimes developing pallid to yellowish cracks or fissures; surface dry, minutely velvety to nearly smooth

FLESH thick; pallid to yellowish

GILLS adnate to decurrent but sometimes seceding, widely spaced, broad, fairly thick, sometimes forked or with cross veins, often almost porelike near stem; bright yellow to ochre to brown, typically bruising green or blue (but often slowly, sometimes not at all), sometimes also staining brownish

STEM 3-10cm x 0.4-11(1.5)cm, equal or tapered below, dry, solid, yellow to dingy yellowish-buff or reddish, often stained dingy brown or reddish-brown below, smooth

VEIL absent

ODOR not distinctive

TASTE not distinctive, Lincoff(1) says sweet

EDIBILITY yes

HABITAT solitary to widely scattered or in small groups (usually 2s or 3s) on ground in woods, often along roads and trails

SPORE DEPOSIT brown to yellowish- or olive-tinged

MICROSCOPIC spores 9-15 x 3-6 microns, elliptic to spindle-shaped, smooth

NAME ORIGIN means 'red-yellow'

SIMILAR arenicola which has an olive-brown to olive-yellow cap and adnexed gills which don't stain blue when bruised, and immediate ammonia reaction to violaceous-fuscous; Boletus subtomentosus in cap but gills underneath

SOURCES Arora*, Phillips*, Lincoff(2)*, Lincoff(1)*, Kibby*, Barron*, O'Dell(1)

FAMILY Boletaceae of Order Boletales

Pam Janszen

Sara Clark

Boleslaw Kuznik