

## 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)** *Russula farinipes* Romell apud Britzelm. Bot. Zentr. 54: 100. 1893

**NOTES** characterized by ivory white to tan to pale yellow cap with inseparable elastic cuticle, grooved cap margin, firm hard elastic peppery flesh with no odor, and white spore deposit, ; Rayner's description does not have an authority but PNW keys and Hesler give the one above, Phillips and Courtecuisse give *R. farinipes* Romell, and Lange *R. farinipes* (Britz.?) Romell, included in PNW keys, reported from WA by Grund, Thiers gives for CA, **CHEMICAL REACTIONS** purple reaction to SV with cap flesh, brown reaction with FeSO<sub>4</sub> with cap flesh, (Grund)

**CAP** 4-7cm, rather flat; ivory white to tan, margin grooved, cap skin hardly peeling, (PNW keys), 4-7cm, rather flat; ivory-white to ochraceous or light crust-brown; firmly attached viscid cap skin, margin sulcate, (Lange), 3-6cm, yellowish to ochraceous straw; cap skin hardly peeling, margin somewhat tuberculate-sulcate, (Rayner), 3-6cm, convex becoming flattened; pale yellow to straw; margin slightly sulcate-tuberculate, cap skin hardly peeling, (Phillips), up to 8cm, ochraceous yellow to russet; dry, (Courtecuisse), ivory yellow to pale yellow-brown to pale yellow on disc, dark dull yellow to dark yellow-brown on the margin, rarely with yellow-brown, brown, to reddish tints, unchanging in color when bruised, (Thiers)

**FLESH** hard, firm and elastic, (PNW keys), hard, firm, but somewhat elastic in cap, (Lange), somewhat tough and elastic, (Rayner), thinnish in cap, tough and almost elastic, brittle; yellowish, (Phillips), fairly elastic, +/- yellowing, (Courtecuisse)

**GILLS** crowded, narrow, beaded with drops, (PNW keys), rather crowded, narrow, beaded with drops, (Lange), slightly decurrent, often rather distant, rather narrow, acute near cap margin; pale straw, (Rayner), rather distant, narrow; pale yellow, (Phillips), decurrent, distant; white to pale yellow, (Courtecuisse)



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**STEM** white, yellowing where handled, (PNW keys), not hollow; white; slightly ochery when touched, (Lange), 3-6cm x 1-1.5cm, hard, rigid, base pointed; white or straw; pruinose in upper part, (Rayner), 3-6cm x 1.0-1.5cm, hard and rigid, white to straw yellow, distinctly pruinose-farinose above, (Phillips), up to 7cm long and 2cm wide, white flushed yellowish; pruinose in upper part, (Courtecuisse)

**VEIL** none

**ODOR** none (PNW keys), fruity (Rayner, Phillips, Courtecuisse)

**TASTE** very peppery (PNW keys, Lange, Rayner, Phillips)

**EDIBILITY** not recommended (Phillips)

**HABITAT** under hardwoods (PNW keys, Rayner, Courtecuisse), usually under hardwoods (Phillips)

**SPORE DEPOSIT** white, Crawshay A, (PNW keys), white, Crawshay A, (Phillips), pure white (Lange)

**MICROSCOPIC** spores 6-8 x 5-7 microns, ornamentation Patterson type A-2, (PNW keys), spores 7-8 x 5-6.5 microns, elliptic, warts 0.2-0.4 microns high, isolated, with a few fine lines which are often indistinct, pleurocystidia 60-74 x 7-11 microns, fusoid to subcylindric, more or less capitate, banded, cheilocystidia 40-48 x 5-7 microns, fusoid to subcylindric, acute or capitate, banded; cuticle a zone of very loosely tangled hyphae with pileocystidia, resting on a hypodermium; sections through the tiny "mounds" on cap show concentrations of more or less repent hyphae with a brownish deposit in walls, (Hesler), spores 7-7.5 x 6 microns, coarsely warty spinulose, (Lange), spores 6-8 x 5-7 microns, warts up to 0.75 microns high, conical, isolated, (Rayner), spores 6.5-8 x 5-7 microns, oval, warts up to 0.75 microns high, isolated, (Phillips)

**NAME ORIGIN** means 'farinaceous foot'

**SIMILAR** like crenulata and fragilis which have separable cap skin and fragile rather than elastic flesh, (PNW keys); like crassotunicata which has thick rubbery or gelatinous separable cap skin, (PNW keys); like cremoricolor has a non-elastic cap skin and brittle as opposed to firm cap flesh, (Thiers)

**SOURCES** Lange, Rayner, Hesler Type Studies III 1961, Phillips\*, Courtecuisse\*, PNW keys, Grund(2), Thiers(3)

**FAMILY** Russulaceae of Order Russulales