

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) *Cortinarius rigidus* Fr. sensu Kuehner & Romagnesi

NOTES subgenus *Telamonia*; features include hygrophanous deep red-brown cap, flesh colored as cap, cinnamon-brown gills even when young, equal stem colored as cap but with patches or bands of white veil remnants, and may have geranium odor; found in Pacific Northwest and CO according to Phillips, Kauffman gave *rigidus* Fr. for CO to WA and OR

CAP 2-4cm, conic or conic-bellshaped, then acutely or obtusely umbonate and expanded; hygrophanous, at very first "bone-brown", then varying from "army-brown" to "argus-brown" fading to "avellaneous" or "ochraceous-buff"; bald, even, sometimes minutely scaly-cracked, white-silky on the margin from the veil, (Kauffman(3)), 1.5-4cm, conic with an acute umbo; hygrophanous, deep red-brown when moist, fading to buffy brown on drying; smooth to fibrillose, the margin coated with silky white fibrils from the veil, (Phillips)

FLESH thin; colored as surface, fading, (Kauffman(3)), reddish brown (Phillips)

GILLS adnate, at length sinuate with a decurrent tooth, close, noticeably broad, thick, often transversely wrinkled; at first "cinnamon-brown", then "tawny-ochraceous", (Kauffman(3)), adnate, close; strong bright cinnamon brown from the first, (Phillips)

STEM 4-7cm x 0.3-0.5cm, equal, stuffed but soon hollow, varying from short and rigid to longer and flexuous (bent both ways); colored as cap; decorated upward to above the middle by appressed, fibrillose, white, concentric zones from universal veil, pallescent at top, white-mycelioid at base, (Kauffman(3)), 4-8cm x 0.3-0.5cm, equal; buffy; fibrillose with distinct patches or bands of white veil remnants, (Phillips)

VEIL universal veil forms appressed, fibrillose, white, concentric zones on lower stem, (Kauffman(3))

ODOR more or less marked (Kauffman(3)), strong, of household geraniums (Phillips), faint, agreeable (PNW keys)

TASTE distinct (Phillips)

EDIBILITY not edible (Phillips)

HABITAT on mossy ground, along streams, in coniferous forests, (Kauffman(3)), coniferous woods (Phillips)

SPORE DEPOSIT rusty brown (Phillips)

MICROSCOPIC spores 7-9 x 5-5.5(6) microns, broadly elliptic, obtuse, minutely but distinctly tuberculate, (Kauffman(3)), spores 7.5-8.5 x 4.5-5.5 microns, almond-shaped, finely roughened, (Phillips), presumably without apical pore

NAME ORIGIN means 'stiff'

SIMILAR like *glandicolor* var. *glandicolor* but *rigidus* has close gills; like *glandicolor* var. *curtus* but *rigidus* has more reddish brown colors and paler young gills, (PNW keys)

SOURCES Kauffman(3), Phillips*, Kauffman(2)

FAMILY Cortinariaceae of Order Agaricales