

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) *Inocybe calamistrata* (Fr.) P.Karsten Bidr. Finl. Nat. Folk 32: 454. 1879

ENGLISH NAME(S) scaly *Inocybe*, green-foot fibre-head

NOTES features include scaly convex cap which does not split radially when old, and blue-green to olive-green stem base; Grund & Stuntz describe from NS var. *mucidiolens* of *I. calamistrata* (Fr.) Gill. which is similar to var. *calamistrata* except for strong green corn odor as opposed to var. *calamistrata* "which always smells like a mixture of fresh raw fish and pine resin", Phillips also describes var. *mucidiolens* as very strong mixture of pleasant flowery scent and ripe pears or green corn; both varieties found in Washington; *calamistrata* fairly common in Pacific Northwest, occurring according to Kauffman in WA, OR, New England to NC, through Canada and MI, Europe, Nishida notes for CA, and reported from BC by Gamiet, Kuyper examined collections of *Inocybe calamistrata* (Fr.:Fr.) Gillet from MI, Belgium, Finland, Netherlands, Portugal, Sweden, United Kingdom (England, Scotland), India, Japan

CAP 1-4cm, bell-shaped to convex, expanding only slightly when old, margin not typically splitting; dark brown to coffee-brown; surface dry, breaking up into small densely-arranged scales, (Arora), 1-4cm, bellshaped-convex, obtuse; dry, soon broken up into dense, "bister" squarrose scales, (Kauffman); 1-4cm, bellshaped with rounded margin, becoming expanded and convex to somewhat umbonate; dingy yellowish umber; squarrose to appressed-squamose on disc, lacerate-fibrillose to appressed-fibrillose in margin, or squarrose over nearly the whole surface, (Grund)



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FLESH thin (Arora); becoming reddish-tinted when cut, darker with age, (Kauffman), dingy pallid with brownish cast, slightly rubescent on exposure, becoming dark brown where bruised, in stem pale dingy greenish brown to dark greenish brown, slightly rubescent where exposed, (Grund), pallid at first then bruising reddish to dingy brown, except at stem base which has blue-green tones, (Phillips)

GILLS adnate to adnexed or free, close; brown to dull cinnamon-brown or colored like cap, the edges whitish, (Arora), adnate-seceding or becoming sinuate, close, broad; soon "army-brown", at length rusty-sprinkled; the edges white-flocculose, (Kauffman), adnexed to adnate, ventricose, moderately broad; at first greenish yellow, becoming olivaceous umber to orange-umber, edges white at first, becoming colored as faces in older specimens, (Grund)

STEM 4-10cm x 0.3-0.5cm, tall, equal or tapering upward, firm, covered with recurved scales (like cap) which may be obliterated or wear away when old, brown to dark brown (like cap), the base or lower part dingy greenish-blue to olive-green (both inside

VEIL disappearing (not forming a distinct ring on stem), (Arora)

ODOR spermatic or fishy (Arora), mixture of fresh raw fish and pine resin, (Grund for var. *calamistrata*), green corn (Grund for var. *mucidiolens*), very strong mixture of pleasant flowery scent and ripe pears or green corn, (Phillips for var. *mucidiolens*), faint, acidulous with a sweetish component, geranium-like, sometimes disagreeable, somewhat fishy, (Kuyper)

TASTE indistinct (Kuyper)

EDIBILITY unknown, but contains psilocybin (Arora), and likely like many other *Inocybes* may contain muscarine

HABITAT solitary, scattered or in small groups on ground under conifers or sometimes hardwoods, (Arora), in coniferous and deciduous woods, (Kauffman), singly or loosely gregarious in moss or needle duff, under conifers, (Grund)

SPORE DEPOSIT brown (Arora)

MICROSCOPIC spores 9-13 x 4.5-6.5 microns, elliptic-oblong, smooth, (Arora), spores 10-12(13) x 5-6 microns, somewhat kidney-shaped, oblong, smooth, obtuse at both ends; pleurocystidia and cheilocystidia absent, sterile cells clavate-saccate, on gill ed

NAME ORIGIN '*calamistrata*' means 'crisped' or 'curled'; '*mucidiolens*' means 'moldy-smelling' from '*mucidus*' meaning 'moldy' and '*olens*' meaning 'smelling'

SOURCES Kauffman(4), Arora, Phillips*, Lincoff(2)*, Kibby*, Courtecuisse*, Grund(4), Redhead(5), Gamiel, Nishida(2), Kuyper(1)

FAMILY Cortinariaceae of Order Agaricales



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