

## 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)** *Nolanea staurospora* (Bres.) J.Lange v. *staurospora* f. *discoloripes* Largent Entolomatoid Fungi of the Western United States and Alaska. 191. 1994

**NOTES** Section *Staurospori*; *N. staurospora* easily recognized in field by dark brown, translucent-striate cap with dark gray brown fibrils in center, whitish to slightly brownish gills, brownish orange striate stem that becomes dark brown with age (var. *staurospora*) or dark brown in places with bruising (var. *incrustedata*), and mild to slightly farinaceous odor; microscopically distinctive prismatic to star-shaped spores; *N. staurospora* var. *staurospora* f. *discoloripes* recognized by abundant gregarious fruiting bodies with 10 or more per mycelium, cap which is translucent-striate only at margin when young, clubshaped silvery-striate stem which darkens but does not bruise, and intracellular pigment; found WA, CA, rare

**CAP** 1.3-3.5cm, convex, sometimes becoming parabolic to broadly bell-shaped but not depressed, hygrophanous, dark brown at first with the disc darker, fading entirely to light brown to dark brownish orange, bald, translucent-striate only at margin, margin more or less even, smooth and entire, not splitting readily

**FLESH** up to 0.15cm near gill attachment; colored as cap surface

**GILLS** adnexed, close, narrow to moderately broad (0.3-0.45cm); whitish but may be slightly brownish at first, then pinkish

**STEM** 3.5-7cm x 0.3-0.5cm, typically enlarged toward base which is 0.3-1.1cm, stem not fragile; silvery, off-white to whitish orange at first, darkening brown especially on striations, unchanging when bruised, bald but silky and striate, often twisted and sometimes grooved, basal tomentum absent

**VEIL** absent

**ODOR** like mild cucumber when crushed or cut

**TASTE** not distinct

**HABITAT** gregarious with 10 or more fruiting bodies per mycelium, in lawns and open meadows, spring to early fall

**SPORE DEPOSIT** pinkish brown

**MICROSCOPIC** spores 7.4-11.0 x 6.5-10.5 microns, 4-5 sided, angular, prismatic to star-shaped (jack-shaped), smooth, inamyloid; basidia 4-spored, 28.3-40.5 x 9.8-11.9 microns, easily separated, relatively small and filled with granules; cheilocystidia absent, pleurocystidia absent; clamps absent

**NAME ORIGIN** '*staurospora*' means 'cross-spored'; '*discoloripes*' means 'discolored foot'

**SIMILAR** like var. *incrustedata* which has scattered habitat with only 1-4 fruiting bodies per mycelium, tapered stem which becomes dark brown in places where bruised, cap translucent striate to center when young and microscopic pigment incrustated as well as intracellular

**SOURCES** Largent\*, PNW key derived from Largent

**FAMILY** Entolomataceae of Order Agaricales