

Sharp-scaled Lepiota *Echinoderma asperum* (Persoon) Bon



TOPS: Sykesville/River Road, 8/12/2011, *J. Solem*.
 GILLS and STALKS: Sykesville/River Road, 8/12/2011, *J. Solem*.
 SIDE and GILLS: Sykesville/River Road, 8/12/2011, *J. Solem*.

Sharp-scaled Lepiota

Echinoderma asperum
 Agaricaceae

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ID: Cap white w/ cinnamon-brown scales (easily wiped off); convex (nearly flat in age), may have umbo. Gill edges sometimes toothed. Stalk white; ring often collapses.

Habitat: Solitary, scattered, groups. On ground or decayed wood in forests (especially hardwood).

Cap: 0.8 – 4.4" [2 – 11 cm]

White w/ reddish-/cinnamon-brown scales. Dry. Smooth; when small has erect, pointed scales (easily wiped off). Convex (broadly convex/nearly flat in age), sometimes w/ umbo. Flesh white.

Gills: White; edges sometime toothed. Nearly free. Close. Narrow.

Spores: *White*. Ellipsoid, smooth.

Stalk: 0.8 – 4.4" x 3/8 – 5/8" [5 – 11 cm x 1 – 1.6 cm]

White. Smooth. Cylindrical, somewhat bulbous. White partial veil leaves white ring w/ reddish-brown scales on margin; ring often collapses.

Frequency: Occasional.

Locations: DANPV, SYRIV, SVMLT.

Notes: Mycobank 354364. Sykesville/River Road specimen identified by examination of spores by R. Solem.

Synonym: *L. acutesquamosa*.. *Lepiota aspera* .

References: BBF 188, 298. BRBD 166fn. K&M 258. Lin 513, 163. M&M 56. Stu 124. Stu 124.



SPORES (5.4-6.8 X 2.3-3.1 μm): Sykesville/River Road, PVSP, 8/12/2011, *R. Solem*.