

ID: Grayish-black or variable, stalk same color, grayish-brown spines.

Habitat: Solitary, scattered, groups. On ground in hardwoods or mixed woods.

Cap: 1 - 3.1" [2.5 - 8 cm]

Variable (yellowish-grayish-tan w/ olive-green/black tints; grayish-black in center or overall, grayish-yellow toward margin in age). Convex/nearly plane. Felted. Margin entire, yellow/yellow-brown w/ grayish stains, strongly incurved when young.

Fertile surface: Spines grayish-brown (dark brown w/ paler tips in age); (1/8 - 5/8" [3 - 16 mm]).

Stalk: 1.5 - 4" x 1/4 - 5/8 " [4 - 10 cm x 6 - 16 mm] Color of cap. Stains black when rubbed/bruised Smooth. Equal. Hollow in age.

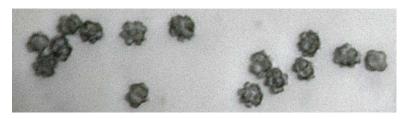
Spores: *Pale brown.* Nearly round, irregular, prominent warts, pale brown.

Frequency: Uncommon.

Locations: BENBR, PIGTL.

Notes: Mycobank 471195.

References: BBF 410, 413. Bni 467. E&S 373. Roo 403. Rog.



SPORES (7.4-8.8 X 5.5-6.7 µm): Pigtail, 9/27/2015, R. Solem.

OVERALL: Pigtail, 8/16/2013, *J. Solem.* TOP: Pigtail, 8/16/2013, *J. Solem.*

SPINES and STALKS: Pigtail, 8/16/2013, J. Solem.

SPINES: Pigtail, 8/16/2013, J. Solem.

TOP: Benson Branch Park, 7/24/2015, J. Solem.

SPINES and STALK: Benson Branch Park, 7/24/2015, J. Solem.