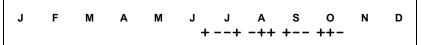
Boletinellus merulioides (Schweinitz) Murrill





OVERALL: Hallmark Road, 8/20/2009, R. Solem. PORES: Hallmark Road, 8/20/2009, R. Solem.



**ID**: Cap reddish-brown; convex (flat in age). Pores pale yellow, large. Stalk off-center.

Habitat: Scattered, groups. On ground under or near ash trees (obligate).

**Cap**: 2 - 4.8" [5 - 12 cm]

Yellowish-/reddish-brown. Dry/slightly sticky. Smooth or w/ tiny fibers. Convex w/ inrolled margin when young; flat to concave/wavy/irregular in age. Flesh yellow, sometimes slowly staining blue-green when cut.

**Pores**: Pale yellow/dull gold. Usually bluing slowly when bruised, gradually discolors reddish-brown. Pores elongated/radially arranged, a little gill-like (1/mm or larger). Tubes (3 - 6 mm).

Spores: Olive-brown. Oval/nearly round, smooth.

**Stalk**: 0.8 – 1.6" x 0.2 – 1" [2 – 4 cm x 6 – 25 mm]

Apex color like pores, lower color like cap. Lacks glandular dots; bruises red-brown. Nearly equal; often curved, off-center.

Frequency: Occasional.

Locations: EBERT, GONRA, ORRBB.

Synonym: Gyrodon merulioides.

**Notes**: Mycobank 100148. Hallmark (Clarksville) record identified by examination of spores by R. Solem. *B. meruliodes* is symbiotic with *Meliarhizophagus fraxinifolii*, the "leafcurl ash aphid." The mushroom forms sclerotia that surround and protect the aphid; in exchange, the aphid's honeydew gives nutrients to the fungus.

**References**: Bar 161. BBF 336, 10. BBH 198. Bni 380. BRB1 187. BRB2 82. BRBD 230, 54. E&S 241. K&M 191. Kuo. Lin 564, 452. M&M 353. Phi 275. Roo 321. Stu 282.



SPORES (8.1-9.5 X 6.2c-7.8 μm): Hallmark Road, 8/20/2009, *R. Solem*.