

Catathelasma Lovejoy

JAN VESTERHOLT

Biannularia Beck

One species in the Nordic countries; see description below.

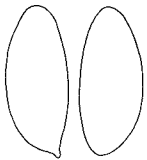
Lit.: Ludwig 2001, Vellinga in Bas et al. 1995.

Frb tricholomatoid with a double ring. Cap 80-150(-220) mm, hemispherical to convex, later expanded with decurved margin, sometimes finally depressed to funnel-shaped, smooth, dry to slightly viscid, greyish brown with dark greyish brown patches, not hygrophanous. Gills decurrent, narrow, sometimes forked, crowded, cream. Stem 60-130 x 30-60 mm, cylindrical with a tapering, rooting base, cream to pale sordid buff. Veil membranous, forming a double ring on the stem, greyish brown on outer side, cream and sulcate on the inner side. Flesh very firm, white. Smell and taste strongly farinaceous. Sp deposit white.

Sp 11-14 x 5-6.5 μm , narrowly ellipsoid to cylindrical or fusiform, smooth (fig. 425H), hyaline, amyloid. Basidia 4-spored. Cheilocystidia up to 65 x 12 μm , cylindrical, mostly with yellow contents. Pleurocystidia absent. Pileipellis an ixocutis. Clamps present.

Ectomycorrhizal, often on calcareous soil in association with *Pinus* or *Picea*, in central Europe also with *Abies*; summer to autumn; rare in hemib.-bore.; FI (NT), NO (LC), SE (NT). – B&K 3:147, GBW 3:148, Lud 10.1, Phil 97d, R&H 314, ⊙.

C. imperiale (Fr.) Singer



Spores.