

Pseudobaeospora pyrifer, a new species found in southern Germany and The Netherlands

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Summary: *Pseudobaeospora pyrifer* is described as a new species from southern Germany and The Netherlands. It is well characterized by the presence of pyriform cheilocystidia, very small, globose to subglobose spores (2.8-3.7 x 2.6-3.5 µm), an in fresh material greenish blue and in exsiccatae pale blue-green to brownish green colour reaction in KOH 5% of the pileipellis, which is composed of repent chains of inflated short cells. It has been found in moist woods (*Pruno-Fraxinetum*), grassland (*Cirsio tuberosi-Molinietum*) and a *Juniperus* stand and is frequently accompanied by *Hygrocybe*, *Geoglossum* and *Entoloma* species.

Zusammenfassung: *Pseudobaeospora pyrifer* wird als neue Art anhand von Funden aus Süddeutschland und den Niederlanden beschrieben. Sie ist gut charakterisiert durch birnförmige Cheilozystiden, sehr kleine, kugelige bis subglobose Sporen (2,8-3,7 x 2,6-3,5 µm) und eine in frischem Zustand deutlich (grünlich) blaue, im Exsikkat blass blaugrüne bis braungrüne KOH-Reaktion der Huthaut; letztere ist aus kriechenden Ketten von kurzen, angeschwollenen Zellen zusammengesetzt. Die neue Art wurde in Unterfranken in feuchten Wäldern (*Pruno-Fraxinetum*, Tendenz zum *Carpinion*) und in Pfeifengraswiesen (*Cirsio tuberosi-Molinietum*) und in den Niederlanden in einer Wacholderheide gefunden. Vergesellschaftungen finden sich u.a. mit Arten der Gattungen *Entoloma*, *Geoglossum* und *Hygrocybe*.

Introduction

In the course of fieldwork for his dissertation the second author discovered a species of *Pseudobaeospora* that differed considerably from the other species of that genus known at that time. The first author, working on a little monograph of *Pseudobaeospora* in Europe (BAS 1999) confirmed that an undescribed species was involved and found another collection of it from The Netherlands, among material kindly sent on loan by the Director of the Biological Station Wijster.

As mentioned before (BAS et al. 1997) there are several more species of *Pseudobaeospora* in Europe than the five described so far: *P. pillodii* (Quél.) Wasser, *P. oligophylla* (Sing.) Sing., *P. argentea* Bas, *P. frieslandica* Bas and *P. pallidifolia* Bas, Gennari & Robich.

It turned out that there is a great diversity of pileipellis structures in the genus, viz. from a simple cutis to a true hymeniderm and that the pileipellis is sometimes layered. Moreover, it was found

