

***Pseudocercospora lecheae* sp. nov. (Hyphomycetes)**

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Pseudocercospora lecheae sp. nov. (≡ *Cercoseptoria lecheae* DEARN., nom. nud.) is described, illustrated, and discussed.

Pseudocercospora lecheae sp. nov. (≡ *Cercoseptoria lecheae* DEARN., nom. nud.) wird beschrieben, abgebildet und diskutiert.

Key words: *Cercoseptoria lecheae* nom. nud., *Pseudocercospora lecheae* sp. nov.

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In the course of re-examinations of phytopathogenic hyphomycetes in the herbarium of the Institute of Botany, Karl-Franzens-University, Graz (GZU), it turned out that "*Cercoseptoria lecheae* DEARN. n. sp." (in PETRAK, *Mycotheca generalis*, no. 1214) is an invalid name (nom. nud.). Since this fungus on *Lechea intermedia* LEGG. ex BRITTON is characterized by having small to moderately large sporodochial conidiomata, it has to be classified as a hyphomycete. *Cercoseptoria* PETR. is characterized by pigmented stromata, conidiophores, and conidia, and was reduced to synonymy with *Pseudocercospora* SPEG. (DEIGHTON 1987; BRAUN 1988, 1995, 1998). BRAUN (1998) introduced the combination *Pseudocercospora* sect. *Cercoseptoria* (PETR.) U. BRAUN. Since the conidiophores and conidia in "*Cercoseptoria lecheae*" are hyaline or subhyaline, this species has to be assigned to *Pseudocercospora* (BRAUN 1995). It is therefore validated as *P. lecheae* spec. nov. The latter species is the only member of *Pseudocercospora* on hosts belonging to the Cistaceae. There is only a single cercosporoid hyphomycete on *Lechea* spp., viz. *Cercospora lecheae* CHUPP & H. C. GREENE, which is, however, well distinguished by having long, brown conidiophores and shorter, much wider, pigmented conidia with 1-5 septa. *Pseudocercospora lecheae* is morphologically close to *P. cerastii* (H. C. GREENE) U. BRAUN, but differs in having larger, almost colourless, usually intraepidermal stromata.

***Pseudocercospora lecheae* U. BRAUN sp. nov.**

Fig. 1

≡ *Cercoseptoria lecheae* DEARN., in PETRAK, Mycotheca generalis, Lfg. 25-26, No. 1214 (1950), nom. nud.

Diagnosis: *P. cerastii* affinis, a qua imprimis differt stromatibus majoribus, fere incoloribus, saepe intraepidermalibus.

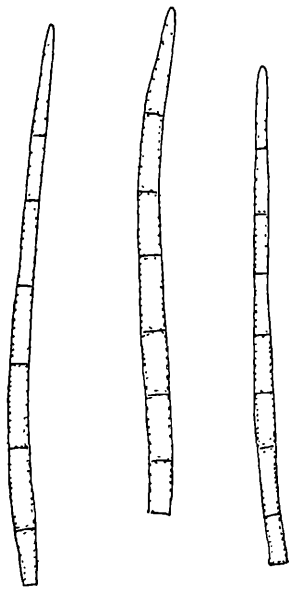
Leaf spots amphigenous, subcircular to irregular, 1-5 mm diam., dingy brown, dark greyish brown to dull blackish brown, margin indefinite or with a somewhat darker border. Caespituli amphigenous, scattered to subgregarious, punctiform, whitish. Mycelium immersed. Conidiomata sporodochial. Stromata well-developed, intraepidermal, occasionally substomatal, outline subcircular to irregular, 20-70(-80) μm diam., somewhat erumpent, composed of slightly swollen hyphal cells, 1-4 μm diam., subhyaline to pale yellowish green. Conidiophores numerous, in dense sporodochial fascicles, arising from stromata, usually erumpent, unbranched, subcylindric-conic, somewhat geniculate-sinuous, 5-15 x 1.5-3 μm , 0(-1)-septate, hyaline or subhyaline, thin-walled, smooth, conidiophores usually reduced to conidiogenous cells, conidial scars inconspicuous. Conidia solitary, acicular-filiform, narrowly subcylindric-subobclavate, (15-)30-85 x 1-2 μm , (1-)3-8-septate, hyaline or subhyaline, smooth, apex acute or subobtuse, base truncate to obconically truncate, hila unthickened, not darkened.

Holotype: on leaves of *Lechea intermedia* LEGG. ex BRITTON (Cistaceae), Canada, Ontario, London, Oakland, August 1925, J. DEARNESS (PETRAK, Mycotheca generalis, no. 1214, GZU). – Isotypes: duplicates of PETRAK, Mycotheca generalis, no. 1214.

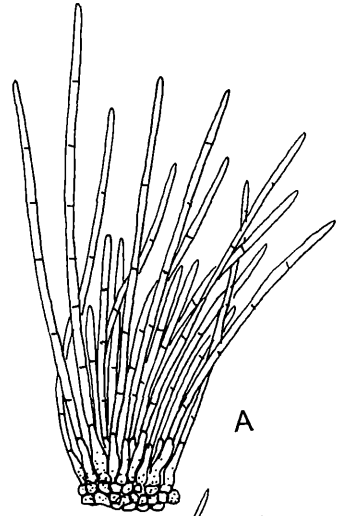
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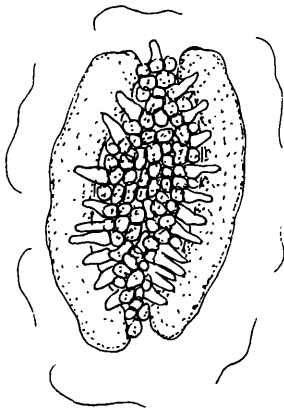
Fig. 1: *Pseudocercospora lecheae*, A conidiomata, B conidiophores, C - conidia, bar = 20 μm , U. BRAUN del.



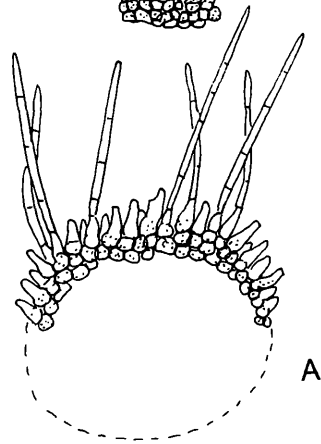
C



A



A



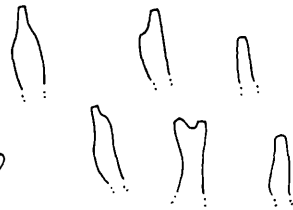
A



B



B



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