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Abstract. The occurrence of *Phomopsis diachenii* on caraway (*Carum carvi*) was established in 2001. This is the first report of *P. diachenii* in Bulgaria. The pathogen produced black pycnidia and two types of conidia (alpha- and beta-conidia) on infected plant tissues as well as on nutrient media. Another *Phomopsis* species was found on the same host plant in 2003. It produced mainly alpha-conidia. In addition, mature perithecia assigned to *Diaporthe angelicae* were observed on stem fragments taken from annual caraway (*C. carvi* var. *annuum*) in 2003. *Phomopsis* spp. were isolated from wild growing caraway and *Heracleum* plants collected in the region of Rila monastery, too. All fungi mentioned were studied on the host plant and in agar culture.

Key words: Bulgaria, caraway, *Carum carvi*, *Diaporthe angelicae*, *Phomopsis diachenii*, *Phomopsis* sp.