Resistance to fungicides in *Botrytis cinerea* isolates from Eger wine district, Hungary

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(teleomorph: *Botryotinia fuckeliana*) **Botrytis** cinerea is a cosmopolitan ascomycetous fungus that causes grey mould on a great number of plants by infecting various tissues. In grapevine, the frequent occurrence of *B. cinerea* prior to harvesting results serious losses of fruits and deterioration of wine quality. B. cinerea has been shown to have several variable genetical and physiological traits. It is able to act as a saprophyte as well as a pathogen, and it has developed resistance to most of the fungicides used to control it. Studies on French and Chilean isolates revealed the presence of three intrapopulation: (1) transposa, having transposable elements Boty and Flipper, (2) Vacuma, having no transposable elements, and (3) boty containing transposable element Boty alone. In France, the level of fungicide resistance differed significantly in transposa and in *vacuma* type populations.

Forty isolates of grapevine berry infected by *B. cinerea* from various locations of the Eger wine district were collected. Individual strains were obtained by single-spore isolations. *Vacuma* and *transposa* type isolates were identified, and fungicide resistance was determined to benomyl, iprodione, fenhexamid and pyrimethanil. Enological and mycological relevance of the results will be discussed.