

Diamandis, S. & Perlerou, C. 2008. *Agaricus* species from Greece. – *Mycologia Balcanica* 5: 33-37.

Abstract. The genus *Agaricus* includes saprotrophic species occurring in a variety of ecosystems. Most of them, however, are confined to grasslands. Forty one taxa have been recorded in Greece to date. Some species, although heavily picked for their gastronomic value, seem to appear in abundance while others, which are inedible, seem to be infrequent or rare. As in recent years grass and pasturelands in Greece have been included in “improvement programmes” and subjected to the use of fertilizers, there is concern about the disturbance caused to the habitats of the *Agaricus* species and consequent changes in the fungal biodiversity. It is obvious that further research on the ecology and particularly the factors governing the fruiting and spreading of *Agaricus* species is necessary before any concrete conclusions are reached and any conservation measures are imposed.

Key words: *Agaricus*, conservation, frequency, fungal biodiversity, Greece