

**671. DISTRIBUTION OF COMMON SPADEFOOT TOAD
(PELOBATES FUSCUS) AND SOIL TYPES IN HUNGARY**

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The Common Spadefoot Toad (*Pelobates fuscus*) occurs in areas with loose or sandy soils of Eastern and Central Europe. In Hungary it is found in lowlands as well as hilly and montane regions. Its European distribution is well shown in the 50×50 km resolution UTM grid map (Atlas of Amphibians and Reptiles in Europe), however, according to this map it is absent from a considerable part of Hungary. Based on data from publications, collections and researchers we compiled the 10×10 km UTM grid map of the Common Spadefoot Toad's distribution in Hungary. The 800 pieces of data covered 312 UTM grids which is 29,6 percent of all UTM grids in the country's area. Most of the data (~80%) come from research after 1970, so the map is up to date. The distribution of occurrences, irrespectively of the size of the covered area, suggests that the species occurs in all parts of Hungary. The distribution pattern obtained was compared using a GIS analysis with soil types identified in the various UTM grids. Within the distribution range of the species, sandy (34%), a loam (37%) and loamy clay (14%) physical soil types were found to be dominant.