OLD-FIELD SUCCESSION: A BIBLIOGRAPHIC REVIEW (1901-1991)

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The ever growing number of publications on secondary succession on abandoned agricultural land is overwhelming. The only published bibliography on old-field succession (Haug & Van Dyne 1968, ref. no. 564) covered 120, mostly American, references. Our bibliography covers 1511 references to the old-field succession and related topics from the whole world until ca. 1991. At that time we also published a brief analysis of major research trends in this area (Rejmánek 1990, ref. no. 1116). Our original intention was to publish this bibliography in *Excerpta Botanica, Sectio B* (Gustav Fisher Verlag). However, this series, dedicated exclusively to bibliographies in plant ecology, ceased in 1995. Many new contributions have been published in the meantime. Fortunately, most of the recent references are now readily available from existing databases. Examples of particularly valuable recent publications are Schmiedeknecht 1995 (*Dissertationes Botanicae* 245: 1-175), Bazzaz 1996 (*Plants in Changing Environments*. - Cambridge University Press), Chapman & Chapman 1999 (*Conserv. Biol.* 13: 1301-1311), Siemann *et al.* 1999 (*Ecography* 22: 406-414), Foster & Tilman 2000 (*Plant Ecology* 146: 1-10), Van der Putten *et al.* 2000 (*Oecologia* 124: 91-99), Meiners *et al.* 2002 (*Ecography* 25: 215-223), Hedlund *et al.* 2003 (*Oikos* 103: 45-68), Bartha *et al.* 2003 (*Appl. Veg. Sci.* 6: 205-212), Falinska 2003 (*Phytocoenosis* 15: 1-104), Myster 2004 (*Bot. Rev.* 70: 381-402), and Knops *et all.* 2005 (*Ecology Letters*, in press). As can be seen from some of these references, abandoned fields are used more and more for testing of very basic ecological hypotheses. Old-fields are often seen as a sort of *Drosophila* of terrestrial ecology. At the same time, however, research on post-agricultural succession brings extremely valuable information for land management and conservation, especially in the tropics. While the majority of old-field studies have been conducted in the United States, the monographic study on old-field succession in Central Bohemia (Osbornová et al. 1990, ref. no. 963) remains an unparalleled multidisciplinary project so far. The virtual absence of old-field ecological studies in Australia remains puzzling even in 2005.

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