

Contents

Progress and Future of Pyrethroids	1
Yoshio Katsuda	
Recent Advances of Pyrethroids for Household Use	31
Kazuya Ujihara, Tatsuya Mori, and Noritada Matsuo	
Advances in the Mode of Action of Pyrethroids	49
J. Marshall Clark and Steven B. Symington	
Pyrethrin Biosynthesis and Its Regulation in <i>Chrysanthemum cinerariaefolium</i>	73
Kazuhiko Matsuda	
Mammal Toxicology of Synthetic Pyrethroids	83
Ryozo Tsuji, Tomoya Yamada, and Satoshi Kawamura	
Biotransformation and Enzymatic Reactions of Synthetic Pyrethroids in Mammals	113
Kazuki Mikata, Naohiko Isobe, and Hideo Kaneko	
Ecotoxicology of Synthetic Pyrethroids	137
S.J. Maund, P.J. Campbell, J.M. Giddings, M.J. Hamer, K. Henry, E.D. Pilling, J.S. Warinton, and J.R. Wheeler	
Environmental Behavior of Synthetic Pyrethroids	167
Toshiyuki Katagi	
The Biological Activity of a Novel Pyrethroid: Metofluthrin	203
Masayo Sugano and Takao Ishiwatari	
Index	221