

# Contents

Foreword	vii
Contributors to Volume 12	ix
Contents of All Volumes	xi
1 Introduction J. J. MENN and R. M. HOLLINGWORTH	1
2 Insecticides: Effects on the Nervous System A. E. LUND	9
3 Insecticides: Effects on the Cuticle A. C. CHEN and R. T. MAYER	57
4 Insecticides and Ion Transport J. D. DOHERTY	79
5 Acetylcholinesterases and Anticholinesterases A. T. ELDEFRAWI	115
6 DDT, $\gamma$ -HCH and the Cyclodienes M. P. OSBORNE	131
7 Pyrethroids G. S. F. RUITG	183
8 Nicotine M. E. ELDEFRAWI	263
9 <i>N</i> -Isobutyramides H. C. F. SU	273
10 Rotenone and Rotenoids J.-I. FUKAMI	291
11 Fungal Control P. FERRON	313
12 Viral Control P. F. ENTWISTLE and H. F. EVANS	347
13 Biological Control D. ROSEN	413
14 The Conceptual Basis for Genetic Control M. J. WHITTEN	465

## Contents

15	Insect Growth Regulators A. RETNAKARAN, J. GRANETT and T. ENNIS	529
16	Toxicodynamics of Insecticides W. WELLING and G. D. PATERSON	603
17	Role of Microsomal Oxidations in Insecticide Degradation M. AGOSIN	647
18	Insect Metabolism: Extramicrosomal W. C. DAUTERMAN	713
19	Biochemistry and Genetics of Insecticide Resistance F. J. OPPENOORTH	731
20	Photochemistry of Pesticides M. J. ZABIK	775
	Species Index	807
	Author Index	811
	Subject Index	838