

## CONTENT

	Page
Introduction	1
Insect Resistance to Chlorinated Insecticides	3
A Resistance and Its Measurement	3
B Inheritance and Biochemical Genetics of Resistance	8
1. Mode of Inheritance	8
2. Biochemical Genetics	10
3. Postadaption and Resistance	24
C Development of Resistance in the Field	29
1. Background	29
2. Species of Public Health or Veterinary Importance	31
3. Species of Agricultural Importance	48
4. Stability of Resistance	58
Action of Chlorinated Insecticides	63
A Introduction	63
B Environmental Behavior and Metabolism	65
1. Biodynamics	66
2. Nature of the Transformation Products	77
3. Biochemical Aspects	97
C Toxicity	110
1. Toxicity to Insects and Structure-Activity Relations	110
2. Toxicity to Vertebrates and Other Nontarget Organisms	123
D Mode and Mechanism of Action	130
1. DDT	130
2. Lindane and the Cyclodiene Insecticides	138
E An Addendum on Mirex	143
Residues and Prospects	145
References	153
Systematic Names Index	177
General Index	181