

BRITISH CROP PROTECTION COUNCIL

PERSISTENCE OF INSECTICIDES  
AND HERBICIDES

Papers presented at a Symposium  
held on 22 - 24th March 1976 at the  
University of Reading

Edited by Dr. K. I. Beynon

CONTENTS

	Page
<u>OPENING LECTURE</u>	
The perspective of persistence H. Frehse	1
Continued	Graphs
<u>SESSION I - DEGRADATION PROCESSES</u>	
Degradation in soils G. G. Briggs	41
Persistence of pesticides in plants R. J. Hemingway	55
Pesticide degradation in aquatic environment and the air S. J. L. Wright	69
	continued
<u>SESSION II - PHYSICAL PROCESSES</u>	
Physical processes involved in the adsorption of pesticides at soil surfaces M. H. B. Hayes	91
Physical loss and redistribution of pesticides in the liquid phase D. Riley	109
Physical loss and redistribution of pesticides in the vapour phase G. A. Wheatley	117
Physical processes associated with formulations F Barlow	127
<u>SESSION III - EXPERIMENTAL AND MATHEMATICAL MODELS</u>	
Experimental models for studying the persistence of pesticides in soils J. A. Guth, N. Burkhard and D. O. Eberle	137
Experimental models for studying the fate of pesticides in plants T. R. Roberts	159
The use of computation models in studies of pesticide movement in soils M. Leistra	169
The application of mathematical modeling to the soil persistence and accumulation of pesticides J. W. Hamaker	181

	Page
<u>SESSION IV - THE CONTROL OF PERSISTENCE</u>	
Aspects of the chemical and physical control of persistence with special reference to the use of polymers R. M. Wilkins	201
Controlling the persistence of insecticides with special reference to microencapsulation F. T. Phillips	217
Microbial control of pesticide persistence in soil R. G. Burns	229
Factors affecting the control of persistence N. R. McFarlane	241
List of Delegates	271