

# **Insect Pheromones and Other Behaviour-Modifying Chemicals: Applications and Regulation**

**BCPC Monograph No. 51**

Proceedings of a special Symposium held at the Brighton Crop  
Protection Conference – Pests & Diseases 1990  
19th November, 1990

BCPC Registered Office  
49 Downing Street  
Farnham, Surrey GU9 7PH, UK



# Contents

Page

FOREWORD	vii
PREFACE	viii
ORGANIZERS, CHAIRMEN OF SESSIONS, AND EDITORS	x
1. MONOGRAPH SUMMARY	1
2. PRACTICAL APPLICATIONS	8
Practical Applications: The European Scene A.K. MINKS and P. van DEVENTER	9
Insect Behaviour-Modifying Chemicals: Practical Applications in the United States R.L. RIDGWAY and M.N. INSCOE	19
Potential Applications of Semiochemicals in Aphid Control J.A. PICKETT, B.J. PYE, L.J. WADHAMS, C.M. WOODCOCK and C.A.M. CAMPBELL	29
3. CURRENT AND PROPOSED REGULATIONS	34
Insect Behaviour-Modifying Chemicals: The Status of Current and Proposed Regulation in the United States A.E. LINDSAY	35
Current and Proposed Regulations. Status in Europe O.T. JONES	44
4. NON-TARGET EFFECTS	48
Non-Target Effects of Lepidopteran Sex Attractant Pheromones M.N. INSCOE and R.L. RIDGWAY	49
Use Patterns and Non-Target Effects of Forest and Coleopteran Semiochemicals S. BURKE	60
Regulation of Some Classes of Phytochemicals: Flavour and Fragrance Ingredients Related to Some Insect Behaviour-Modifying Chemicals R.H. BEDOUKIAN	79
Exposure, Fate and Potential Residues in Food of Applied Lepidopteran Pheromones T.D. SPITTLER, H.C. LEICHTWEIS and P. KIRSCH	93
5. OPPORTUNITIES FOR EXPEDITING THE REGULATORY PROCESS	109
Opportunities for Expediting the US Regulatory Process for Pheromones and Other Semiochemicals S.D. JELLINEK and E.C. GRAY	110
Future Regulation of Phytopharmaceutical Products in the EEC N.M. VERBIESE	123
6. WORKSHOP	128
Workshop Report	129
Workshop Participants	135