

BRITISH CROP PROTECTION COUNCIL

MONOGRAPH NO 18

Proceedings of a Symposium on

GRANULAR PESTICIDES

14, 15th JULY 1976

Held at the University of Nottingham

Edited by S. A. Evans

CONTENTS

	Page
I	
<u>REVIEW OF GRANULAR PESTICIDES AND THEIR USE</u>	
Review of Granular Pesticides and their Use	1
W.F.JEPSON	
SESSION ORGANISER AND CHAIRMAN: S A EVANS, ADAS, LEEDS	
II	
<u>BIOLOGICAL ASPECTS OF GRANULAR PESTICIDES -</u>	
<u>INSECTICIDES NEMATOCIDES ETC</u>	
Chlorpyrifos Granules for the Control of Soil Pests in Brassicae and Other Crops	10
G.N.PRICE and D.S.WRIGHT	
The Properties of Carbofuran in Relation to Field Performance	21
T.J.MARTIN and J.R.KELLY	
The Economics of Nematicides Used for the Control of Potato Cyst Nematodes in Ware Crops	35
J.M.JONES and J.J.UNCLES	
Seed-furrow Application of Granular Pesticides and their Biological Efficiency on Sugar Beet	37
R.A.DUNNING and G.H.WINDER	
SESSION ORGANISER: J.H.STEVENSON	
CHAIRMAN: DR. W.LINKE, Bayer UK Ltd.	

	Page
III <u>BIOLOGICAL ASPECTS OF GRANULAR PESTICIDES -</u> <u>HERBICIDES AND GROWTH REGULATORS</u>	
The Development and Advantages of a Micro-granular Formulation of Metoxuron for use in Winter Cereals in the UK R.A.JONES and G.L.PARTINGTON	47
Granular Formulations of Dichlobenil W.MAAS and F.POPP	53
Some Effects of Formulation on the Biological Performance of Dichlobenil D.H.SPENCER-JONES and D.WILSON	59
Phytotoxicity of Two Different Patterns of Tri-allate Granules to Emerged Wild Oats (<u>Avena fatua</u>) and Wheat Plants R.ASHFORD and J.HOLROYD	67
Field Experiments for the Control of Wild Oats (<u>Avena fatua</u>) in Peas with Granular Tri-allate J.M.KING	73
SESSION ORGANISER: J.HOLROYD	
CHAIRMAN: J.D.FRYER, Weed Research Organisation	

	Page
IV <u>THE MANUFACTURE AND USE OF GRANULAR PESTICIDES</u>	
The Formulation and Manufacture of Granular Pesticides D.WHYTEHEAD	81
Granules and their Application H.FARMERY	93
Specifications for Granules B.CROZIER	98
The Laboratory Evaluation of Potential Granular Carriers J.H.ELVY	102
Chlormephos - Mutual Adaption of the Formulation and the Equipment Used for its Application G.BRUGE	109

SESSION ORGANISER: G.A.MATTHEWS

CHAIRMAN: DR. I.J.GRAHAM-BRYCE, Rothamsted Experimental
Station

	Page
V <u>DEVELOPMENTS AND OPPORTUNITIES FOR THE FUTURE</u>	
Pesticide Granules: Developments Overseas and Opportunities for the Future	115
P.T.WALKER	
Control of Simulium in Rivers by Particulate Insecticides	123
W.E.KERSHAW	
Future Requirements in Micro-Granule Machinery	128
R.J.PALMER	
Granular Pesticides: Some Developments and Opportunities for the Future (Developed Countries)	131
G.A.WHEATLEY	
Prospects for the Use of Granular Nematicides by West Indian Banana Growers	140
S.R.GOWEN	
Studies in Slow-Release Granular Formulations of Aldicarb	143
S.BATTERBY	
SESSION ORGANISER: P.LONG	
CHAIRMAN: DR.W.JEPSON. Imperial College	
<u>Exhibitors</u>	147
ORGANISER: D.BARTLETT	