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CONFERENCE
Pests and Diseases – 1990**

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B. THOMAS	9B-2	1079
Residues and 'Maximum Residue Levels'		
M. J. MURPHY	9B-3	1087
Impact of EC legislation on the development of biotechnology in agriculture		
B. P. AGER and N. J. POOLE	9B-4	1097

SESSION 9C

THREATS TO THE EFFICACY OF AGROCHEMICALS –
RESISTANCE AND DEGRADATION

1107

Posters

- The survival of *Phytophthora infestans* in potato tubers – the influence of phenylamide resistance
A. S. L. WALKER and L. R. COOKE 9C-1 1109
- The development of a three-way fungicide mixture based on synergistic interaction, for effective control of *Phytophthora infestans*
M. R. REDBOND, J-P. DEVEY and J. N. BARLOW 9C-2 1115
- Phenylamide use on Scottish seed potato crops and resistance in *Phytophthora infestans* isolated from progeny tubers
R. A. BAIN and S. J. HOLMES 9C-3 1121
- Decreased sensitivity to fenarimol in Italian populations of *Uncinula necatrix*
M. L. GULLINO (*no written submission*) 9C-4 1127
- DMI-resistance and sterol¹⁴ demethylase inhibition in *Rhynchosporium secalis*
S. J. KENDALL and D. W. HOLLOMON 9C-5 1129
- Sensitivity of *Rhynchosporium secalis* to DMI fungicides
D. R. JONES 9C-6 1135
- Sensitivity to propiconazole of *Rhynchosporium secalis* populations from individual barley fields in North East Scotland and East Anglia
P. MARGOT, A. C. TAYLOR and W. W. KIRK 9C-7 1141
- Methods to test the sensitivity of *Mycosphaerella fijiensis* to triadimenol
U. SCHULZ and H. SCHEINPFLUG 9C-8 1147
- Long-term monitoring of *Pseudocercospora herpotrichoides* populations for sensitivity to prochloraz and carbendazim
R. J. BIRCHMORE, P. E. RUSSELL and H. BUSCHHAUS 9C-9 1153
- Sensitivity of barley powdery mildew isolates to morpholine fungicides
S. ROBERTSON, J. GILMOUR, D. NEWMAN and J. H. LENNARD 9C-10 1159
- Selection dynamics in triazole treated populations of *Erysiphe graminis* on barley
L. PORRAS, U. GISI and U. STAEHLE-CSECH 9C-11 1163
- Flutriafol, ethirimol and thiabendazole seed treatment – an update on field performance and resistance monitoring
I. P. H. STOTT, R. A. NOON and S. P. HEANEY 9C-12 1169
- Biochemical assays for insecticide resistance: strengths and limitations
I. DENHOLM, K. GORMAN, G. MOORES and A. L. DEVONSHIRE 9C-13 1175
- The impact of phosphine resistance on the control of insects in stored grain by fumigation
K. A. MILLS, A. L. CLIFTON, B. CHAKRABARTI and N. SAVVIDOU 9C-14 1181
- Insecticide resistance in populations of *Oryzaephilus surinamensis* and *Cryptolestes ferrugineus* from grain stores in the United Kingdom
A. J. PRICKETT, J. MUGGLETON and J. A. LLEWELLIN 9C-15 1189
- The cotton-whitefly field control simulator: laboratory apparatus which simulates the insecticidal treatment of pest populations in cotton fields
M. W. ROLAND, B. S. HACKETT, M. F. STRIBLEY and R. M. SAWICKI 9C-16 1195

A comparison of the <i>in vitro</i> metabolism of <i>cis</i> -cypermethrin in a resistant and susceptible strain of <i>Heliothis virescens</i>		
S. E. CLARKE, C. H. WALKER and A. R. McCAFFERY	9C-17	1201
Seasonal variation of susceptible and resistant variants of <i>Myzus persicae</i>		
C. FURK, C. M. HINES, S. D. J. SMITH and A. L. DEVONSHIRE	9C-18	1207
Variation in resistance frequencies of <i>Myzus persicae</i> on sugar beet – implications for control		
S. D. J. SMITH and A. L. DEVONSHIRE	9C-19	1213

SESSION 10

CROP PROTECTION OPTIONS FOR REDUCED FARM INPUTS 1219

Invited Papers

Conceptual re-appraisal of agricultural practices for increased flexibility in control options		
V. W. L. JORDAN	10-1	1221
The potential of organic farming systems for reduced farm inputs		
R. J. UNWIN... ..	10-2	1231
The role of cost/benefit analysis in determining reduced crop protection strategies		
P. THORNTON and R. H. FAWCETT	10-3	1241
The US experience in 'Low Input Sustainable Agriculture'		
P. F. O'CONNELL	10-4	1251
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