

## IOBC/WPRS Bulletin

### Vol. 22(5) 1999

Working Group "Integrated control in field vegetables". Proceedings of the Meeting at Chania (Crete), 6-8 October, 1997. 240 pp. Edited by: S. Finch, C. Hartfield, E. Brunel. ISBN 92-9067-109-2.

Simulating sampling strategies for aphid and caterpillar pests of brassica crops.  
Collier, R.H. & A.Mead ..... 1

A new approach to characterising within-field pest distributions using mealy cabbage aphid (*Brevicoryne brassicae*) on Brussels sprouts as an example.  
Parker, W.E., J.N. Perry, J. Blood Smyth, S.A. Ellis, R.G. McKinlay, & S.T.D. Turner..... 9

Use of a geographical information system (GIS) for forecasting the activities of carrot fly and cabbage root fly.  
Tiilikkala, K., & H. Ojanen..... 15

Strategies for the control of aphid pests of lettuce.  
Collier, R.H., G.M. Tatchell, P.R. Ellis & W.E Parker ..... 25

Consideration of "Integrated Production" guidelines for vegetable crops.  
Esbjerg, P. .... 37

Managing pest Lepidoptera on processing vegetable crops in the Midwestern United States.  
Flood, B.R., & J.D. Wyman..... 41

Characteristics of IPM in vegetable crops in Hungary.  
Illova, Z. .... 51

Aspects of crop protection in the integrated production of field vegetable crops in Sweden.  
Jönsson, B. .... 53

Investigation on the supervised control of *Thrips tabaci* in leek and onion crops.  
Richter, E., M. Hommes & J-H. Krauthausen ..... 61

Encouraging biological control as a component of pest and resistance management in cabbage in the Midwestern United States.  
Wyman, J., B. Flood, S. Chapman & C. Granadino ..... 73

Is the initial colonisation of leek by *Thrips tabaci* affected by intercropping with clover?  
den Belder, E. & J. Elderson ..... 79

Possible reasons for the decline in carrot fly (*Psila rosae* (F.)) infestations in western Europe.  
Ellis, P.R. & A. Ester ..... 83

Monitoring carrot fly populations, and the effect of low soil moisture on the mortality of eggs and first-instar larvae.  
Vincent, J. & S. Finch ..... 89

Predatory species of the genus *Orius* recorded in fields of vegetable crops in Greece.  
Barbetaki, A., D. Lykouressis & D. Perdakis ..... 97

Variation in the rate of parasitism of *Delia radicum* in the west of France.  
Brunel, E., S. Fournet & X. Langlet ..... 103

Is the parasitoid staphylinid beetle *Aleochara bilineata* an effective predator of the egg stage of its natural host, the cabbage root fly?  
Finch, S., M.S. Elliott & M.T. Torrance..... 109

A hypothesis to explain the competition between two staphylinid parasitoids of *Delia radicum*.  
Fournet, S. & E. Brunel ..... 113

The effect of undersowing brassica crops with clover on host finding by *Trybliographa rapae* and *Aleochara bilineata*, two parasitoids of the cabbage root fly, *Delia radicum*.  
Hartfield, C.M., M. Netherclef & S. Finch ..... 117

Time for development of <i>Trybliographa rapae</i> , an endoparasitoid of the cabbage root fly <i>Delia radicum</i> , at four constant temperatures. Kacem, N., N. Neveu & J.P. Nénon .....	125
Effect of entomopathogenic nematodes from the genera <i>Steinernema</i> and <i>Heterorhabditis</i> on caterpillars of two pest insect species ( <i>Pieris brassicae</i> L. and <i>Mamestra brassicae</i> L.) that damage cruciferous vegetable crops. Nádasy, M., G.Y. Sáringér, A. Lucskai, A. Fodor, Z. Samu, J. Ignác, Cs. Budai & M. Klein.....	127
Development and mortality of the nymphal stages of the predatory bug <i>Macrolophus pygmaeus</i> , when maintained at different temperatures and on different host plants. Perdikis, D. Ch. & D.P. Lykouressis.....	137
Preliminary observations on <i>Diadegma fenestralis</i> a parasitoid of the diamond-back moth, <i>Plutella maculipennis</i> . Wiech, K. & B. Jankowska.....	145
The influence of undersown clover and different fertiliser levels on infestations of the onion thrips in leek crops. den Belder, E. & J. Elderson.....	151
Host-plant finding by insects – “appropriate / inappropriate landings” a mechanism based on the behaviour of pest insects of cruciferous crops. Finch, S. & M. Kienegger.....	157
The impact of different intercropping systems on herbivorous pest insects in plots of white cabbage. Lehmhus, J., M. Hommes & S. Vidal.....	163
Host-plant finding and colonisation by <i>Thrips tabaci</i> in monocropped leeks and in leeks undersown with clover. Theunissen J. & G. Schelling.....	171
Thrips damage or yield reduction in undersown leek: replacing one evil by another? Weber, A., M. Hommes & S. Vidal.....	181
Controlling the onion fly ( <i>Delia antiqua</i> (Meig.)) with insecticides applied to leek seed. Ester, A. ....	189
Effectiveness of insecticide applied to carrot foliage in killing carrot fly. Johansen, T.J., S. Finch & A. Jukes.....	197
Biology and control of the leek mining fly, <i>Napomyza gymnostoma</i> . Kahrer, A. ....	205
Neem extracts for controlling caterpillars attacking cabbage. Meadow, R. & R. Seljåen.....	213
Using imidacloprid as part of an integrated system for controlling the black bean aphid <i>Aphis fabae</i> Scop. Narkiewicz-Jodko, J. & M. Rogowska .....	219
Pests of winter radish ( <i>Raphanus sativus</i> L.) and their control. Nawrocka, B. ....	223
The occurrence and control of <i>Pemphigus phenax</i> , an aphid that infests the roots of carrots. Szwejdá, J.H. ....	229
Monitoring and control of <i>Thrips tabaci</i> Lind. with furathiocarb in leek fields. Van de Steene, F. ....	235