

IOBC/WPRS Bulletin

Vol. 23(10) 2000

Working Group "Integrated Protection of Stored Products".
Proceedings of the Meeting at Berlin (Germany), 22 – 24 August
1999. Edited by: C. Adler & M. Schöller. ISBN 92-9067-126-2.

| | |
|--|-----|
| Introduction | i |
| List of participants and authors | iii |
| Options for new approaches to pest control in food <i>R. Wilkin</i> | 1 |
| Biological control in stored product protection <i>Ch. Reichmuth</i> | 11 |
| IPM in Danish flour mills, present use and limitations <i>P.S. Nielsen</i> | 25 |
| Guidelines for the analysis of post-production systems <i>A. Bell, F. Mazaud, O. Mück</i> | 31 |
| Current status of stored products protection in Turkey <i>M. Emekçi, A.G. Ferizli</i> | 39 |
| Insect pests of farm-stored maize and their management practices in Ethiopia <i>A. Tadesse, F. Eticha</i> | 47 |
| Traditional groundnut post-harvest management in Southern Guinea-Bissau and the gaps of development intervention <i>M.P. Temudo</i> | 59 |
| Local plants used for traditional stored product protection in the Menoua division of the Western highlands of Cameroon <i>A. L. Tapondjou, H. Bouda, D.A. Fontem, L. Zapfack, D. Lontsi, B. Sondengam</i> | 73 |
| Stackburn of stored maize in some sub-Saharan African countries <i>A. Maia, G. Barros, A. Mexia</i> | 79 |
| Information network on post-harvest operations - A joint initiative of Food and Agriculture Organisation of the United Nations (FAO) and Deutsche Gesellschaft für Technische Zusammenarbeit (GTZ) GmbH <i>A. Bell, C. Bothe, O. Mück</i> | 87 |
| Studies on the host-finding behaviour of <i>Dinoderus bifoveolatus</i> Wollaston (Coleoptera: Bostrichidae), an important pest of stored cassava in West Africa, with particular emphasis on the role of plant volatiles and odours of conspicifics <i>C. Borgemeister, K. Schäfer, G. Goergem, S. Awande, M. Sétamou, H.-M. Poehling, D. Scholz</i> | 89 |
| Occurrence of <i>Lasioderma serricorne</i> F. and <i>Ephestia elutella</i> (Hb.) in tobacco Virginia fields and curing barns..... | 91 |
| <i>M.O. Carvalho, A.P. Pereira, A. Mexia</i> Stored-product insects pests in feed-mill in Central Italy | 103 |
| <i>P. Trematerra, F. Fiorilli</i> Distribution of pyralid moths in warehouses and food processing factories in Portugal and the Cape Verde Islands <i>A.P. Pereira, A. Mexia</i> | 111 |
| Observations on the presence of insects in an ice-cream factory <i>G. Domenichini</i> | 119 |
| Insect problems on typical cheese of Basilicata (Italy) <i>P. Fimiani, R. Spicciarelli</i> | 125 |

| | |
|--|-----|
| Development and survival of immature <i>Tyrophagus putrescentiae</i> (Schrank, 1781) (Astigmata: Acaridae) at constant temperatures <i>I. Sanchez-Ramos, P. Castañera</i> | 133 |
| Host finding of the granary weevil parasitoid <i>Lariophagus distinguendus</i> (Hymenoptera: Pteromalidae) in storage environment <i>J. Steidle, M. Schöller</i> | 135 |
| Biological control of <i>Sitophilus oryzae</i> (Coleoptera: Curculionidae) in rice and combined effect with a polishing process <i>J. Riudavets, É. Lucas</i> | 143 |
| Forager in the rye: Biological control of <i>Ephestia elutella</i> in bulk grain <i>M. Schöller</i> | 149 |
| The effect of <i>Trichogramma turkestanica</i> Meyer (Hymenoptera: Trichogrammatidae) on <i>Ephestia kuehniella</i> Zeller (Lepidoptera: Pyralidae) in relation to temperature <i>L. Stengaard Hansen</i> | 161 |
| Commercial application of parasitoids and predators of stored-product pest insects <i>S. Prozell, M. Schöller</i> | 165 |
| Utilisation of phytochemicals against stored product insects <i>C. Adler, P. Ojmelukwe, A.L. Taponjou</i> | 169 |
| Efficacy of plant extracts and oils for protection of stored cowpea against infestation by <i>Callosobruchus maculatus</i> (Fab.) <i>D. Obeng-Ofori, R. Kwadwo Akuamoah</i> | 177 |
| Electrophysiological and olfactory responses of <i>Ephestia kuehniella</i> Zeller adults to cereals' semiochemicals <i>A. De Cristofaro, G. Rotundo, G.S. Germinara</i> | 189 |
| La communication chimique chez <i>Tribolium castaneum</i> (Coleoptera, Tenebrionidae) : connaissances et perspectives <i>L. Arnaud, G. Lognay, C. Gaspar, E. Haubruge</i> | 195 |
| Wheat kernels status and host selection in <i>Oryzaephilus surinamensis</i> (Linnaeus), <i>Tribolium castaneum</i> (Herbst) and <i>Tribolium confusum</i> J. du Val. <i>P. Trematerra, A. Sciarretta, E. Tamasi</i> | 211 |
| Acaricidal activity of natural monoterpenes on <i>Tyrophagus putrescentiae</i> (Schrank), a mite of stored food. <i>I. Sanchez-Ramos, P. Castañera</i> | 219 |
| Fumigant activity of anethole, a major component of essential oil of anise <i>Pimpinella anisum</i> L. <i>I. Tunç, F. Erler</i> | 221 |
| Dispersion behaviour of <i>Oryzaephilus mercator</i> (Fauvel) (Coleoptera: Silvanidae) in a preferendum arena for phototaxis, geotaxis and thigmotaxis <i>D. Bartels</i> | 227 |
| Mise en évidence de la tolérance de <i>Tribolium castaneum</i> à l'égard d'une formulation à base de terre de diatomées <i>E. Haubruge, M. Rigaux, L. Arnaud, C. Gaspar, P. Fields</i> | 233 |
| Application of amorphous silica dust (SilicoSec®) in Germany – practical experiences <i>M. Erb-Brinkmann</i> | 239 |
| Longterm efficacy of some amorphous silica dusts against the granary weevil <i>Sitophilus granarius</i> <i>C.-H. Flachsbarth, Ch. Reichmuth, I. Mewis</i> | 243 |
| The use of impact machines in flour mills – a world wide survey <i>R. Plarre</i> | 255 |
| Utilisation of extreme temperatures in stored product protection | |

| | |
|--|-----|
| <i>C. Adler, W. Rassmann</i> | 257 |
| Control strategies for stored products protection in Bangladesh | |
| <i>M. Hasan</i> | 265 |
| Role of bruchid beetle <i>Callosobruchus maculatus</i> (F.) in faba bean yield losses during storage and its control using inert gases | |
| <i>M. Y. Hashem</i> | 275 |