

## 12. Publications and reports

### 12.1 Publications by members of staff in 2001

#### Scientific publications in international, peer-reviewed journals and books

Kalsbeek, V., J. K. Pell & T. Steenberg, 2001: Sporulation by *Entomophthora schizophorae* (Zygomycetes: Entomophthorales) from housefly cadavers and the persistence of primary conidia at constant temperatures and relative humidities. *Journal of Invertebrate Pathology* **77**: 149-157

Kalsbeek, V., B. A. Mullens & J. B. Jespersen, 2001: Field studies of *Entomophthora* (Zygomycetes: Entomophthorales) - Induced behavioral fever in *Musca domestica* (Diptera: Muscidae) in Denmark. *Biological Control* **21**: 264-273

Kristensen M., A. G. Spencer, & J. B. Jespersen, 2001: The status and development of insecticide resistance in Danish populations of the housefly *Musca domestica* (L.). *Pest Management Science* **57(1)**: 82-89

Leirs, H., K. S. Larsen & J. Lodal, 2001: Palatability and toxicity of fipronil as a systemic insecticide in a rodenticide bait for rat and flea control. *Medical and Veterinary Entomology*, **15**, (3): 299-303

Lodal, J., 2001: Distribution and levels of anticoagulant resistance in rats (*Rattus norvegicus*) in Denmark. *Advances in Vertebrate Pest Management II* (Eds. H.-J. Pelz, D. P. Cowan & C. J. Feare), Filander Verlag, Fürth, 139-148

Nielsen, P. S., 2001: Developmental time of *Blattisocius tarsalis* (Acari: Ascidae) at different temperatures. *Experimental and Applied Acarology* **25**: 605-608

Nielsen, P.S., 2001: The effect of carbon dioxide under pressure against eggs of *Ephestia kuehniella* Zeller and adults of *Stegobium paniceum* (L.) and *Oryzaephilus surinamensis* (L.). *Anzeiger für Schädlingskunde/Journal of Pest Science*, **74**: 85-88

Sommer, C., K.-M. Vagn Jensen & J. B. Jespersen, 2001: Topical treatment of calves with synthetic pyrethroids: effects on the non-target dung fly *Neomyia cornicina* (Diptera: Muscidae). *Bulletin of Entomological Research* **91**: 131-137

Steenberg, T., J. B. Jespersen, K.-M. V. Jensen, B. O. Nielsen & R. A. Humber, 2001: Entomopathogenic fungi in flies associated with pastured cattle in Denmark. *Journal of Invertebrate Pathology* **77**: 186-197

Stenseth, N. C., H. Leirs, S. Mercelis & P. Mwanjabe, 2001: Comparing strategies of controlling African pest rodents: an empirically based theoretical study. *Journal of Applied Ecology*, **38** (5): 1020-1031

Walsh B., T. A. Dolden, G. D. Moores, M. Kristensen, A. Taylor, R. Viner, T. Lewis; A. L. Devonshire & M. S. Williamson, 2001: Identification and characterization of mutations in housefly (*Musca domestica*) acetylcholinesterase involved in insecticide resistance. *Biochemical Journal* **359**: 175-181

#### Other scientific publications

Hansen, L. Stengård & P. Sejerø Nielsen, 2001: *Blattisocius tarsalis* as a control agent of *Ephestia kuehniella* in flour mills; initial results of a field trial. Pp. 44-46 in Proceedings First Meeting Working Group 4 "Bio-control of arthropod pests in stored products", COST Action 842, Lisboa, Portugal, Sept. 6-7, 2001. Research Institute of Crop Protection, Prague, Czech Republic.

Hansen, L. Stengård & P. Sejerø Nielsen, 2001: Biologisk bekæmpelse af melmøl i møllerier. Introduction. Final conference for "Biologisk og mikrobiologisk bekæmpelse af skadevoldere", May 4, Copenhagen. DJF-report No. **49**, 105-110

Jespersen, J.B., J. Eilenberg, A. Enkegaard & M. Hansen, 2001: Introduction. Final conference for "Biologisk og mikrobiologisk bekæmpelse af skadevoldere", May 4, Copenhagen. DJF-report No. **49**, 9-12

Kilpinen, O., T. Steenberg, J. B. Jespersen, M. Birkett, L. Wadhams, J. Pickett & M. D. Soler Cruz, 2001: Development of new control methods against chicken mites. In Proceedings Mange and Myiasis in Livestock. Cost Action 833, Toulouse, France, Oct. 3-6

Nansen, Christian, 2001: Spatial distribution and potential hosts of the larger grain borer, *Prostephanus truncatus* (Horn) (Coleoptera: Bostrichidae), in a forest in Benin, West Africa. Ph.D. thesis. International Institute of Tropical Agriculture, Benin, The Royal Veterinary and Agricultural University, Denmark and The Danish Pest Infestation Laboratory: 84 pp.

Steenberg, T., K.-M. Vagn Jensen & J. B. Jespersen, 2001: Mikrobiologisk bekæmpelse af fluer på græssende kreaturer. Final conference for "Biologisk og mikrobiologisk bekæmpelse af skadevoldere", May 4, Copenhagen. DJF-report No. **49**, 87-90

Steenberg, T., H. Skovgård, V. Kalsbeek & J. B. Jespersen, 2001: Mikrobiologisk og biologisk bekæmpelse af fluer i stalde. Final conference for "Biologisk og mikrobiologisk bekæmpelse af skadevoldere", May 4, Copenhagen. DJF-report No. **49**, 91-94

Steenberg, T., K.-M. Vagn Jensen & J. B. Jespersen, 2001: Mikrobiologisk bekæmpelse af hygiejneskadedyr. Final conference for "Biologisk og mikrobiologisk bekæmpelse af skadevoldere", May 4, Copenhagen. DJF-report No. **49**, 101-104

Vibe-Petersen, S., 2001: Studies into predation on a tropical rodent species. War Against Rats 11, April 2001: 4-6

### **Popular articles**

Hansen, L. M., A. Enkegaard, J. Eilenberg & J. B. Jespersen, 2001: Biologisk bekæmpelse af skadevoldere. Jord og Viden Nr. **9**: 14-15

Jensen, K.-M. Vagn & J. B. Jespersen, 2001: Fluebekæmpelse på græssende kreaturer - nye muligheder. Danske Mælkeproducenter Februar 2001: 2pp.

Jensen, K.-M. Vagn, 2001: Når der er kakerlakker i ejendommen. Servicehåndbogen for Andels- og Ejerslejlighedsforeninger 2001, 22. årgang: 67-71

Jespersen, J. B., 2001: Retningslinier for fluebekæmpelse på pelsdyrfarme. Tidsskrift for Dansk Pelsdyravl Nr. **6**: 18-19

Skovgård, H., 2001: Fluer skal forebygges. Økologisk Jordbrug 29.6.2001: p.10

Skovgård, H. & J. B. Jespersen, 2001: Fluer i stalde. Danske Mælkeproducenter Februar 2001: 44

Stenseng, Lena & H. Skovgård, 2001: Menneskets følgesvende - stuefluen og stikfluen. Naturens Verden, **10**: 32-40

### Presentations and posters at conferences

Dang, D. B., J. Blom, F. Scheutz, M. Lund, J. B. Jespersen, K. Pedersen & M. Madsen, 2001: Experimental infection of the lesser mealworm beetle (*Alphitobius diaperinus*) with *Campylobacter jejuni*. Poster presented at the 11th International Workshop on Campylobacter, Helicobacter and Related Organisms, Freiburg Konzerthaus, September 1-5: 1 p

Hansen, L. Stengård & P. Sejerø Nielsen, 2001: Biologisk bekæmpelse af melmøl i møllerier. Poster presented at Final Conference for "Biologisk og mikrobiologisk bekæmpelse af skadedyr", May 4, Copenhagen

Jensen, K.-M. Vagn & L. Stengård Hansen, 2001: Research concerning pests in museums and historic buildings. Poster, A Pest Odessey – Conference on Intergrated Pest Management for Collections, London, U.K., 1-3 October

Mohr, K., S. Vibe-Petersen, L. L. Jeppesen & H. Leirs, 2001: Feeding decision as an anti-predation strategy in the African multimammate rat *Mastomys natalensis*. Poster at 8th International Theriological Congress, Sun City, South Africa, August 12-17

Skovgård, H., T. Steenberg, V. Kalsbeek, & J. B. Jespersen, 2001: Mikrobiologisk og biologisk bekæmpelse af fluer i stalde. Poster presented at Final Conference for "Biologisk og mikrobiologisk bekæmpelse af skadedyr", May 4, Copenhagen

Steenberg, T. & O. Kilpinen, 2001: Fungus infection of the red chicken mite *Dermanyssus gallinae*. Abstract of presentation at the 8th European Meeting of the IOBC/WPRS Working Group "Insect Pathogens and Insect Parasitic Nematodes", Athens, Greece, 29 May-2 June

Steenberg, T., K.-M. Vagn Jensen & J. B. Jespersen, 2001: Mikrobiologisk bekæmpelse af hygiejne-skadedyr. Poster presented at Final Conference for "Biologisk og mikrobiologisk bekæmpelse af skadedyr", May 4, Copenhagen

Steenberg, T., K.-M. Vagn Jensen & J. B. Jespersen, 2001: Mikrobiologisk bekæmpelse af fluer på græssende kreaturer. Poster presented at Final Conference for "Biologisk og mikrobiologisk bekæmpelse af skadedyr", May 4, Copenhagen

Vibe-Petersen, S., H. Leirs, L. de Bruyn & L. S. Mulungu, 2001: The effect of different predation pressure on the population dynamics of *Mastomys natalensis* and subsequent effect on crop damage and yield. Poster at 8th International Theriological Congress, Sun City, South Africa. 12-17 August

### 12.2 Appearances in the media

Lodal, J.: Rats, mice and salmonella. Danish Broadcasting, 20 December.

### 12.3 Unpublished reports on laboratory tests and/or field trials

The reports are confidential except those marked \*

1-2001 Kristensen, M., M. Knorr & J. B. Jespersen: Susceptibility to thiamethoxam in Danish field populations of houseflies *Musca domestica*, 28 pp. (February 2002, final version)

2-2001 Jespersen, J. B.: Retningslinier for fluebekæmpelse på gårde med husdyr i 2001, 7 pp.

- 3-2001 Knorr, M., J. B. Jespersen & M. Kristensen: Field evaluation of micro-encapsulated chlorpyrifos (Empire20®) for control of poultry litter beetles, 18 pp.
- 4-2001 Kilpinen, O. & K. M. Vagn Jensen: Evaluering af et kokosoliebaseret produkts effektivitet over for kattelopper (*Ctenocephalides felis*, Bouche) og tyske kakerlakker (*Blatella germanica* (L)), 10 pp.
- 5-2001 Jespersen, J. B. & M. Knorr: Laboratory evaluation of Green Planet Flytrap for control of the housefly *Musca domestica*, 9 p.
- 6-2001 Knorr, M., M. Kristensen & J. B. Jespersen: Efficacy of Muscafin® against the housefly *Musca domestica* when applied under field conditions as hang-boards or as paint-on bait, 81 pp.
- 7-2001 Leirs, H.: A population dynamics model for rodent management in Africa, 48 pp.
- 8-2001 Knorr M., M. Kristensen & J. B. Jespersen: Efficacy of Agita® 10WG against the housefly *Musca domestica* when applied under field conditions as paint-on bait, 34 pp.
- 2-2002 Jespersen, J. B.: Kvit flue Strips indeholdende azamethiphos (*Musca domestica*), 4 pp.
- 3-2002 Jespersen, J. B., 2002: Retningslinier for fluebekæmpelse på gårde med husdyr i 2001, 7 pp.
- 4-2002 Knorr M.: Laboratory evaluation of sticky flytraps for control of the housefly *Musca domestica*, 11 pp.
- 5-2002 Knorr M.: Comparison of the capture efficiency of two types of glue boards for UV light traps, 11 pp.