

Peter Smytheman BSc., FRES

Personal details:

Email: petersmytheman@yahoo.com

peter_smytheman@wsu.edu

Tel: 509 630 6526 (mobile)

Qualifications & professional memberships:

Fellow of the Royal Entomological Society

Member of the British Entomology & Natural History Society

Member of the International Organization for Biological Control (IOBC)

Member of the Lepidopterists Society

BSc (Hons) Zoology: University of Wales, University College Cardiff

Thesis: Insect colouration – Inter and intra specific communication

Core subjects: Entomology, Genetics

‘A’ Level Biology, Chemistry, Physics & Mathematics

GCE Level Biology, Chemistry, Physics, Mathematics, English, English literature, Geography, Spanish

Summary of professional skills and expertise:

Research:

Over 20 years commercial experience in research and development of mass production of beneficial insects and mites for use in integrated pest management systems.

Developed and implemented process monitoring and control procedures for commercial mass rearing systems from production through to product formulation, packing, despatch, and transport chain.

Member of the IOBC working group on arthropod mass rearing quality control (AMRQC). Developed and tested QC protocols for inclusion in IOBC standards for important species of beneficial insects and mites.

Designed and performed side effects testing of numerous plant protection products on beneficial insects and mites.

Principal scientist representing commercial sector on joint industry / government funded research project on application of semio-chemicals to enhance the efficacy of aphid parasitoids in protected crops.

Over 30 years experience of collecting, breeding and rearing numerous species of lepidoptera. Surveying and recording Lepidoptera and Diptera species for several national conservation bodies to aid identification of important wildlife sites and monitor population trends.

Management:

Member of the senior management team of the largest UK producer of beneficial insects and mites.

Experience of managing projects with budgets in excess of \$300,000 and departmental budgets in excess of \$750,000.

Line manager across several departments responsible for teams of up to ten members of staff.

Recruited personnel and provided training in a wide range of laboratory, production, formulation, health and safety, and quality assurance procedures.

Training received:

Staff supervision, management, appraisals and career development, project management, first aid, pesticide application (PA1 & PA6 qualified), various IT courses, e.g. Word & Excel.

Summary of relevant work experience:

2008-Present: Associate in research at WSU-TFREC. Responsible for carrying out laboratory bio-assays on predatory mites and pest species, mite colony maintenance, specimen identification, and seasonal field work. I am currently managing the *Drosophila suzukii* monitoring programme for WSU-TFREC.

1989 - 2008: Technical manager for Biological Crop Protection Certis Ltd, a member of a multi-national group of companies owned by the Mitsui Corporation. Responsible for providing technical advice to production supervisors, QA procedures and implementation, development of new products and production processes of beneficial insects and mites, technology transfer to licensed production partners.

1984 –1989: Assistant production manager at Bunting Biological Control Ltd. Responsible for the production of key species of beneficial insects and mites and staff supervision.

1982-1984: Ecological survey worker. Conducted entomological surveys on behalf of the Royal Society for the Protection of Birds and the Forestry Commission.

1981-1982: Voluntary worker at the department of natural history of Birmingham museum and art gallery. Assisted with cataloguing and curation of the entomology collections.

Personal statement:

I have been collecting and studying insects from the age of four, and now, more than forty years later, each new species I come across still elicits the same feelings of interest and excitement.

I am by nature practical, pragmatic, innovative and hardworking. I approach any new project or task with enthusiasm, a desire to succeed, and always with a desire to learn.

Referees:

Available on request.

