

ROBERT JOHN BRIGHTWELL

Entomology Dept,
3321 Gardner Hall
Box 7613, North Carolina State University
Raleigh, NC 27695-7613

(919) 515 3784 Lab
rjbrigh2@ncsu.edu

Education

North Carolina State University

Doctoral program in Entomology

August 2004 - Present

- Joined Dr Jules Silverman's laboratory investigating ant/hemipteran interactions

Victoria University of Wellington, New Zealand

B.Sc. with 1st Class Honours

May 2003

- Major: Ecology and Biodiversity
 - Thesis: "The exploitative and interference competitiveness of *Linepithema humile* and its effect on ant diversity"
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Publications

Silverman, J. and **Brightwell, R.J.** (2008). The Argentine ant: challenges in managing an invasive unicolonial pest. *Annual Review of Entomology*, 53, 231-52.

Brightwell, R.J. and Silverman, J. (2007) Argentine ant foraging activity and interspecific competition in complete vs. queenless and broodless colonies. *Insectes Sociaux*, 54: 329-333.

Bell, V.A., **Brightwell, R.J.**, Lester, P.J. (2006). Increasing vineyard floral resources may not enhance localised biological control of the leafroller *Epiphyas postvittana* (Lepidoptera: Tortricidae) by *Dolichogenidea* spp. (Hymenoptera: Braconidae) parasitoids. *Biocontrol Science and Technology*, 16, 1031-1042.

Teaching Experience

Teaching Assistant

Fundamental Insect Control (Ent 550)

- Prepared and led laboratory sections
- Lectured sections

Fall 2007 and 2008

Teaching Assistant

Insects and people (Ent 201)

Spring 2006

- Lectured sections describing insect orders for this undergraduate course.
- Graded and evaluated student projects.

Teaching Assistant

Ornamental and Turf Entomology (Ent 063)

Spring 2005

- Prepared and led laboratory sections
- Prepared and marked laboratory tests

Scholarship Awards

North Carolina Pest Control Association Graduate Scholarship

2005 - 2006

Presentations

North Carolina Pest Control Association Annual Meeting – Raleigh, NC **January 2008**

Can North Carolina's winters aid in the control of the Argentine ant?

Entomological Society of America Annual Meeting –San Diego, CA **December 2007**

Conditions favoring Argentine ant winter survival in temperate climates

Entomological Society of America Annual Meeting - Indianapolis, In **December 2006**

Mutualist interactions between the native terrapin scale and the invasive Argentine ant with implications for pest ant control

National Conference of Urban Entomology – Raleigh, NC **May 2006**

Argentine ant foraging activity and interspecific competition in complete vs. worker only colonies

North Carolina Pest Control Association Annual Meeting – Raleigh, NC **January 2006**

Controlling ant pests by controlling honeydew producing insects

Entomological Society of America Annual Meeting - Ft Lauderdale, Fl **December 2005**

Argentine ant foraging activity and interspecific competition in complete vs. worker only colonies

Work Experience

Department of Conservation, Science Research Laboratory Wellington, New Zealand

- Research Assistant for Dr Ian Stringer **February 2004 – June 2004**
- Identified arthropods collected from diversity survey

Victoria University of Wellington, New Zealand

- Research Assistant for Dr Stephen Hartley **December 2003 – February 2004**
- Organised and implemented Argentine ant survey
 - Identified arthropod samples.
 - Assisted in other field trials

- Research Assistant for Dr Phil Lester **November 2002 – March 2003**
- Assisted in Argentine ant surveys **December 2001 – March 2002**
 - Identified insect samples from surveys

- Session Assistant **July 2002 – November 2002**
- Demonstrated laboratory in undergraduate ecology course

Professional Memberships

Entomological Society of America
Ecological Society of America