



RICHARD COOPER - MS ENTOMOLOGIST, TECHNICAL DIRECTOR, COOPER PEST SOLUTIONS

Richard Cooper, Technical Director for Cooper Pest Solutions, earned his Bachelor of Science degree in Entomology at the University of Delaware. Richard enhanced his knowledge of insects working as a Field and Lab Technician for the USDA Beneficial Insect Laboratories in the biological control of Gypsy Moths. Richard spent a short time with E. I. DuPont conducting field testing of insecticides, herbicides and fungicides. Richard continued his education, receiving a research Masters Degree in Entomology at Rutgers.

Richard regularly participates in national seminars focusing on insects, their behavior, biology and control and is a frequently invited speaker at industry meetings. In addition to his responsibilities at Cooper Pest Solutions, Richard also consults with other pest control companies on a variety of pest issues in both commercial and residential settings. Richard is very active in ongoing field research with a numerous manufacturers assisting in the field component of product development as well as the evaluation of product efficacy. In addition to numerous articles in industry trade journals, he has also authored chapters in the 8th and 9th editions of the Mallis Handbook of Pest Control. In 2001 Richard received PCT Magazines distinguished leadership award and in 2003 was recognized as one of the top 40 professionals in the pest control industry under the age of 40 years old.

During the past several years Richard has become recognized as one of the countries leading experts on the subject of bed bugs and bed bug management. Richard has taken the lead in dealing with this very serious re-emerging pest. In 2004 Richard edited the Bed Bug Chapter in the pest management industry's most well respected textbook reference, The Mallis Handbook of Pest Control 9th Edition. Richard was also featured as an expert on bed bugs on the Discovery Channel in Canada and was a guest of the Leonard Lopate show on National Public Radio (NPR), along with Dr. Richard Pollack, Harvard School of Public Health. In 2004 Richard was an invited speaker at the National Urban Entomology Meeting and in 2005 was invited to participate in the first bed bug symposium at the Entomological Society of America's annual meeting. Richard has been consulted as an expert for court cases dealing with bed bug litigation and has been frequently cited as an expert in numerous newspaper articles to include the NY Times, USA Today. In 2007 Richard teamed up with Industry consultants, Pinto & Associates in 2007 to publish the "Bed Bug Handbook: the complete guide to bed bugs and their control." Richard speaks to audiences throughout the United States educating the pest control industry as well as a number of other industries and government agencies on the subject of bed bugs.

Richard has served on several National Pest Management Association technical committees and currently serves on the Quality Pro committee. In addition, Richard served on the New Jersey IPM Task Force which developed IPM standards for the State of New Jersey. Richard participates in a number of organizations to include the Entomological Society of America, Pi Chi Omega, the New Jersey Environmental Federation as well as a number of other professional organizations including a position in the Board of Directors for Pennsylvania Pest Management Association.

Curriculum Vitae: Richard Cooper

Richard A. Cooper, Technical Director

Cooper Pest Solutions
351 Lawrence Station Road
Lawrenceville, NJ 08648
(609) 799-1300

Professional Experience

1986 to 1989 and 1991 to Present
Cooper Pest Solutions
Lawrenceville, New Jersey
Technical Director
Staff Entomologist: Responsible for all technical aspects of operations at Cooper Pest Solutions.

Conducts training programs for staff members and pest control industry.

Develops new technologies for use in Pest Control Industry and within Cooper Pest Solutions. Emphasis is placed on developing and implementing technologies that reduce or eliminate exposure of pesticides to persons and animals.

Consultant working in Pest Control issues for Commercial and Residential clients

Consultant working with Chemical Manufacturers in Efficacy Research for both EPA Registered and non-registered Products. Specializing in field efficacy research on Cockroach and Ant Baits

1985
E. I. DuPont Inc.
Elkton, Delaware
Field Technician. Field studies on field efficacy of insecticides, herbicides and fungicides.

1983 to 1984
USDA - Beneficial Insects Research Laboratory
Newark, Delaware
Field and Lab Technician. Field studies on biological control of gypsy moths.

Education

1986 to 1991
Rutgers University
New Brunswick, New Jersey
Masters of Science in Entomology
Thesis: "Effect of Feeding and Nutrition on the Development and Reproductive Physiology of German Cockroaches."

1982 to 1986
University of Delaware
Newark, Delaware
Bachelors of Science in Entomology

Organizations

- Board of Directors Pennsylvania Pest Management Association (Eastern Div)
- New Jersey Pest Control Association
- National Pest Control Association
- Associated Pest Services
- Entomological Society of America
- Pi Chi Omega (Honorary Entomologist Society for Urban Entomologists)
- New Jersey Environmental Federation

Pesticide Applicators Licenses

- New Jersey Categories 7A, 7B, 7D, 11 (Research and Demonstration)
- Pennsylvania Categories 11, 12

Publications

- 2007. "Bed Bug Handbook: The Complete Guide to Bed Bugs and Their Control" Pinto, Cooper & Kraft (publication expected November 2007)
- 2007. "Four-Legged Detectives." Pest Control Magazine, August.
- 2007. "Don't Let the Bed Bugs Bite Your Business" Progressive Rentals Magazine August-September Issue
- 2007. "Bed Bugs and Developing Your Strategy" Apartment Industry Magazine (AIM) April-May Issue
- 2007. "To Inspect or Not to Inspect That is the Question" Apartment Industry Magazine (AIM) June-July Issue
- 2007. "Just Encase: Mattress and box spring encasements can serve as an essential tool in effective bed bug management" Pest Control Magazine, April.
- 2007. "Are Bed Bug Dogs Up To Snuff?" Pest Control Magazine, January.
- 2007. "Bed Bugs What You Need to Know." New Jersey Property Owners Association March Issue
- 2006. Hospitality Law Newsletter Commentary on "Guests Bed Bug Claim Goes to Trial" July Issue
- 2004 Authored chapter on Bed Bugs in the ninth ed. Mallis Handbook of Pest Control (in press)
- Cooper R. A. 1999. IPM: Have we Created a Monster. PCT Magazine October Issue pp. 42-50
- Cooper R. A. 1997. Earwigs. Handbook of Pest Control, Mallis eighth ed. Mallis Handbook and Technical Training Company Chapter 5. pp. 220-231.
- Cooper R. A., & D. Guarino, 1996. Integrated Pest Management, Science Alliance Teaching Module. Somerset/Hunterdon Business & Education Partnership. Pp 1-65.
- Shaheen L. & R. A. Cooper, 1995. Real World IPM. Pest Control Magazine, Eastern Conference Show Guide.

Publications (continued)

- Cooper, R. A. & C. Schal, 1992. Differential development and reproduction of the German cockroach (Dictyoptera: Blattellidae) on three laboratory diets. *J. Econ. Entomol.* 85(3): 838-884.
- Cooper, R. A. & C. Schal, 1992. Effects of protein type and concentration on development and reproduction of the German cockroach, *Blattella germanica*. *Entomol. exp. appl.* 63: 123-134.
- Steltenkamp, R. J., R. L. Hamilton., R. A. Cooper., C. Schal. 1992. Alkyl and Aryl Neoalkanamides: Highly Effective Insect Repellents. *Journal Medical Entomol.* 29(2) 141-149
- Hamilton, R. L., R. A. Cooper & C. Schal, 1990. The influence of nymphal and adult dietary protein on food intake and reproduction in female brown banded cockroaches. *Entomol. exp. appl.* 55: 23-31.

Public Speaking

- National Bed Bug Seminar Series with Michael Potter and GIE Media: San Francisco, Atlanta & Washington DC Seminar series begins in July 2008
- New Jersey Apartment Association Annual Education Meeting (Invited to speak about Bed Bugs May 2008)
- Minnesota Pest Management Meeting: Bed Bugs (Invited to speak about Bed Bugs and Carpenter Ants - March 2008)
- Michigan State Pest Management Meeting: Bed Bugs February 2008
- Purdue Pest Control Conference: Bed Bugs January 2008
- North Carolina Pest Management Association: Bed Bugs January 2008
- Entomological Society of America: Annual Meeting, San Diego: Non Chemical Advancements in the Control of Bed Bugs – the use of encasements Dec 2007
- Rutgers Cooperative Extension – Public Health & Pest Control Operators Meeting – Bed Bugs November 2007
- Association of Professional Rental Organizations- National Meeting Reno Nevada: Bed Bugs September 2007
- National Bed Bug Seminar Series with Michael Potter and GIE Media: NYC & Las Vegas Seminar series begins in August 2007
- NJ Pest Management Association Annual Education Clinic – Bed Bugs- Things that may not be readily apparent. August 2007
- National Environmental Health Association Annual Meeting: Bed Bugs June 2007
- NJ Apartment Association: Bed Bug Workshop – Bed Bugs: What you need to know but may wish you never heard. July 2007
- Family Services Association, NJ State Education Meeting for Owners of Group Homes, June 2007
- NJ Apartment Association Annual Education Meeting: Bed Bugs (Invitation to speak in May 2007)
- Entomological Society of America Eastern Branch: Bed Bugs (March 2007)
- NJ Property Owners Association (PONJ): Bed Bugs shared presentation with Attorney Timothy Wenk, Shafer Glazer (March 2007)

Richard A. Cooper (Public Speaking continued)

- **Minnesota Pest Management Meeting: Bed Bugs (March 2007)**
- **The Rental Industry Buyers Group (TRIB) Meeting of the Minds in Atlanta, GA Bed Bugs (March 2007)**
- **NJ Apartment Association: 3 Hour Bed Bug Seminar - Jan 2007**
- **University of Maryland Keynote Presentation on Bed Bugs (January 2007 Interstate Conference)**
- **North Carolina Pest Management Association: Insect ID for the Non-Entomologist (January 2007)**
- **Pennsylvania Pest Management Association: Bed Bugs (November 2006 Annual Meeting)**
- **Monmouth County Health Department – Bed Bug Seminar (November 2006)**
- **Connecticut Apartment Association: Bed Bugs (November 2006 Annual Meeting)**
- **NovaScotia, Canada: Bed Bugs (October Nova Scotia Annual Conference)**
- **University of Kentucky: Bed Bugs (October 2006 Kentucky Short Course)**
- **National Pest Management Association: Bed Bugs (October 2006 National Meeting)**
- **New Jersey Environmental Health (NJEH): Bed Bugs (September 2006 Annual Meeting)**
- **Pod Cast Interview: Response to University of Kentucky news release on Pesticide Resistance in Bed Bugs; Pest Control Magazine September 2006**
- **Rutgers Extension Entomology – Bed Bugs & IPM June 2006**
- **National Public Radio, The Leonard Lopate Show: Bed Bugs – New York City 2006**
- **National Pest Management Association: Bed Bug Expert Panel, Jan 2006**
- **Purdue University: Bed Bugs: Complicated Situations Jan 2006**
- **Northeast Integrated Pest Management Meeting Boxborough, MA 2006**
- **Pennsylvania Pest Management Annual Meeting: Bed Bug Management November 2005**
- **Entomological Society of America: Bed Bug Symposia Ft. Lauderdale, FL Dec 2005**
- **New Jersey Environmental Health Annual Meeting Bed Bugs & IPM 2005**
- **National Pest Management: Newark, NJ Bed Bug Workshop 2005**
- **National Pest Management Association: Expert Panel on Bed Bugs 2005**
- **Entomological Society of America Eastern Branch: Beyond Fear Factor Symposia 2005**
- **Maine Department of Agriculture: Bed Bugs, IPM in Schools & Commercial Structures 2005**
- **British Columbia Pest Management Conference: Carpenter Ants- An exterior Approach & Pest Identification for the Non Entomologist 2005**
- **Wisconsin Pest Management Conference: Cockroach Management & Insect ID 2005**
- **Minnesota Pest Management Meeting: Carpenter Ant – Exterior Approach**
- **New Jersey Environmental Federation & NJDEP: School IPM Training Outreach Presentations 2005**
- **Pennsylvania Pest Management Association’s Annual Meeting: Structurally Invading Ants**

2005

Richard A. Cooper (Public Speaking continued)

- National Urban Entomology Meeting Phoenix, AZ: Bed Bug Presentation 2004
- Ant Management Summit, Atlanta, GA 2004
- Audubon Society/Sierra Club: Bed Bugs and other emerging pest issues 2003
- University of Kentucky Short Course, Lexington KY 2003
- National Pest Management Meeting, Orlando Florida 2002
- Aventis/Pest Control Technology Tick Control Symposium, Jacksonville Florida -2002
- Aventis/Pest Control Technology Ant Symposium, Phoenix Arizona -2001
- Pennsylvania Pest Control Assoc. 2001
- University of Maryland, Interstate Pest Control Conference Univ. of Maryland 2000, 2005
- University of California, California Pest Control Association – Univ. Calif. Riverside 1999
- Purdue University, Purdue Pest Control - Conference 1999, 2001
- Alliance for Environmental Concerns Ann. Meeting (speaker & panel member 1999) Termite Control Technology. Purdue University Lafayette Indiana.
- University of Delaware, Delaware Pest Control Assoc. 1991, 1996,.1999, 2004
- EPA Region 2 Conference 1998
- Rutgers Cook College, Continuing Education 1991, 1992,1993, 1994, 1995, 1996, 1997, 1998, 1999, 2000, 2001
- Entomological Society of America, Eastern Branch 1998, 2005
- National Pest Control Eastern Conference 1995, 2002, 2003, 2004
- New Jersey Pest Control Association 1990, 1992, 1998, 1999, 2001, 2004
- Associated Pest Control Services 1992, 1995, 1996, 1999, 2002, 2004
- New Jersey Environmental Federation Annual Meeting 1995, 1996, 1998
- New Jersey Department of Health 1992,1993, 1994, 1997, 1998, 2000, 2001, 2003, 2005, 2007

Miscellaneous

- 2007 National Public Radio, Live Interview on Bed Bugs scheduled for March 2007
- 2007 NBC Dateline Bed Bug segment
- 2005 Discovery Channel Bed Bug segment
- 2004 National Public Radio, Live Interview on Bed Bugs
- 2003-2006 NPMA Quality Pro Technical Committee
- 2003 Developed NJ IPM Credentialing Exam
- 2003 Advisory Committee for National Pest Management Quality Pro Initiative (Establishment of Pest Control Industries version of “Good Seal”
- 2003 Received the PCT 40 under 40 award. Recognizes leaders in the industry whom are 40 years old or younger

Miscellaneous (continued)

- **2001 Received Pest Control Technology Leadership Award: Recognized as one of the 10 most influential persons in the Pest Management Industry**
- **2002 Member of the National Pest Control Project Development Council Committee General Pest Control**
- **2001 Member of IPM in Schools committee for National Pest Management Association (Project Development Council).**
- **2001 Invited to attend Scientific Symposium on Termites, Purdue University. The purpose of this conference to set Research Objectives for the future of 2000 Member of planning committee for the International Conference for Urban Pests to be held in 2002**
- **2000 Committee member for National Pest Management Association Project Development Council on IPM in Schools.**
- **1997-98 Chairperson of National Pest Control Project Development Council Committee on Fumigation and New Technologies.**
- **1997 Invited to attend Scientific Symposium on Baiting of Cockroaches and Ants. The purpose of this conference to set Research Objectives for the future of Bait Technology in Roaches and Ants. Purdue University Laffayette Indiana.**
- **1996. Featured in Article appearing in Pest Control Magazine. August Edition. "Program Hits Home Run" Authored by Mike Goldstein. pp 44-46.**
- **1994. Served on State of NJ Governors Task Force for the development of a State Mandated Integrated Pest Management (IPM) Policy**
- **1994. Featured in Article appearing in Pest Control Magazine. Eastern Conference Edition. "Baiting Technology & Entomology team up to kill Roaches" Authored by Lisa Shaheen. pp 20-21.**
- **1992-1995 involved in numerous volunteer education programs as a speaker or instructor for Rotary Clubs, Elementary - High School Science Classes etc.**
- **1990-1992 received Headlee Fellowship for Masters Thesis Research on German Cockroaches. Rutgers University, New Brunswick New Jersey**