

CURRICULUM VITAE

Robert C. Everich, Ph.D., B.C.E.

EDUCATION

B.S.	Cornell University Ithaca, NY	Major: Entomology Minor: Plant Pathology	June 1983
M.S.	University of New Hampshire Durham, NH	Major: Entomology	June 1986
Ph.D.	University of Maryland College Park, MD	Major: Entomology	May 1994

SPECIALTY AREAS of EXPERTISE

Crop Protection Entomology, Integrated Pest Management, Insect Pathology, Microbial Control, Insecticide Resistance Management, Pesticide Regulatory Science, Ecotoxicology, Crop and non-crop Product Development and Testing, Formulation Evaluation and Development

PROFESSIONAL EXPERIENCE

Private Consulting - January 2015 to Present

Assisting U.S. and Global Ag Chem companies with field and laboratory studies, regulatory strategy, submissions, program and study review and product development.

Senior Scientist - ADAMA Crop Protection, U.S. Division and Global Headquarters, Tel-Aviv, ISRAEL – October 1994 to December 2014. Scientific Affairs Division

Project and regulatory study management. Contract and monitor environmental fate and ecological effects studies, product property and analytical chemistry studies, product management, provide scientific regulatory support. Negotiate with state and federal authorities on pesticide data requirements, Present research findings at scientific meetings, Develop publications in support of pesticide industry issues and for product stewardship. Manage development efforts for proprietary and generic products for crop, non-crop and public health applications.

- Coordinator for Global Joint Review of proprietary nematicide.
- Managed bio-pesticide development program from characterization to scale-up to Joint-venture partnership to registered product.
- Registration and Development manager for proprietary IGR – secured more IR4 “A” priorities than any other product in program.

Graduate Research Assistant – Sept. 1990 to August 1994. Department of Entomology, University of Maryland, Major Professor: Dr. Galen P. Dively.

Dissertation title: Monitoring, Selection and Characterization of *Bacillus thuringiensis* Susceptibility in Colorado Potato Beetle. Research included field and laboratory studies of CPB populations related to the management of insecticide resistance. Contributed to development of national resistance monitoring program for transgenic *B.t.* potato plant introduction. Developed CPB artificial diet bioassay for characterization of dose response to *B.t.* and other insecticides. Selected and characterized field and lab strains of CPB for inheritance of resistance trait. Provided lab and field support for U.S. and European biotechnology companies in product screening and development. Member of academic working group on development of *B.t.* resistance management strategies.

Research Leader – Sept. 1985 to Sept. 1990. Mycogen Corporation, San Diego, CA. Managed pesticide development programs for Forestry, Crop and public Health Pests.

Responsible for development of a pathogen/toxin screening program. Supervised staff of 4 B.S. and M.S. level lab technicians. Provided Entomology support through lab and field testing for the discovery, scale-up, development, and registration of M-One™, M-Trak™ and MVP™ bioinsecticides. Conducted first field trial of a recombinant microbial insecticide in the U.S. Conducted field trials of bioinsecticides based on bacterial insecticidal proteins, baculoviruses, and entomopathogenic fungi. Helped coordinate product discovery, optimization production and testing through field cooperators. Visiting Scientist at Kubota Corp. Biopesticide Lab. Osaka, Japan 1989.

Graduate Research Assistant – Dec. 1983 to Sept. 1985. Department of Entomology, University of New Hampshire, Major Professor: Dr. James S. Bowman.

Thesis title: Control of Cabbage Looper with Reduced Rates of Fenvalerate and *B.t.* Established and maintained insect colonies for thesis research. Conducted field and lab tests to investigate synergistic mixtures of fenvalerate and *B.T.* and effects on *T. ni* survival, development and crop protection. Participated in forage and vegetable crop field research for insecticide efficacy testing. Participated in statewide pest management program for field and vegetable crops. Assisted in preparation of weekly pest management newsletter.

Laboratory Assistant – Jan. 1980 to Dec. 1983. Boyce Thompson Institute for Plant Research. Cornell University, Ithaca, NY

Maintained insectary colonies including *Aedes*, *Culex* and *Anopheles spp.*, *Melanoplus*, *Schistocerca spp.*, and *Locusta migratoria* (in quarantine). Maintained insect cell lines and entomopathogenic fungi culture collection. Assisted on development of WHO bibliography of pathogens of medically important arthropods. Collaborated with visiting scientist from China on low

technology mass production system for myco-insecticides. Participated in production, formulation and field testing of *Beauveria bassiana* on Colorado Potato beetle and *Entomophthora spp.* on green peach aphid and Eastern spruce budworm.

PUBLICATIONS

Everich, R.C., G.P. Dively, and J.J. Linduska. 1992. Baseline Monitoring of Colorado Potato Beetle Sensitivity to *Bacillus thuringiensis* and Association with Pyrethroid Resistance. Resistant Pest Management Newsletter. Pesticide Research Center. Mich, State Univ. Vol. 4 no. 1, pp. 14-15.

Talbot, H.W., M. Burrascano, O. Espinosa, R. Everich, K. Nette, J. Payne, and G. Soares. 1989. Unique strains of *Bacillus thuringiensis* with activity against Coleoptera. In A. Demain, G. Somkuti, J. Hunter-Cevera, and H.W. Rossmore, eds. Topics in Industrial Microbiology. Pp. 211-216.

Everich, R, A. Newcombe, M. Nett and J. Ollinger. 2011. ACS Symposium Series Pesticide Mitigation Strategies for Surface Water Quality, Efficacy of a vegetative buffer for reducing potential transport of the insect growth regulator novaluron in runoff from a field application using simulated rainfall. Book Chapter, (In preparation).

References available upon request

SUBMITTED PRESENTATIONS

- Everich, R.C., G.P. Dively. 1994. Tracking Colorado potato beetle susceptibility to *B.t.*: Development of a long-term monitoring program in North America. Entomological Society of America Eastern Branch Meeting, Newport, RI.
- Everich, R.C., G.P. Dively. 1993. Selection and characterization of *B.t.* resistance in Colorado potato beetle. Entomological Society of America National Meeting, Indianapolis, IN.
- Everich, R.C., G.P. Dively. 1992. Stadial sensitivity of Colorado potato beetle to three *B.t.* based bioinsecticides. Entomological Society of American Eastern Branch Meeting, Williamsburg, VA.
- Everich, R.C., J.J. Linduska, and G.P. Dively. 1990. Validation of a bioassay for predicting insecticidal control of Colorado potato beetle. Entomological Society of America Eastern Branch Meeting, Baltimore, MA.
- Everich, R.C., J.J. Linduska, G.K. Roderick, and G.P. Dively. 1990. Detection and monitoring of Colorado potato beetle susceptibility to the biorational insecticide, *Bacillus thuringiensis*. Entomological Society of America National Meeting, New Orleans, LA.

INVITED PRESENTATIONS AND SYMPOSIA

- Invited Conference Speaker, British Mycological Society Conference 1998. Registration of a mycofungicide: U.S. Perspective. Southampton, Univ. Southampton, UK.
- Formal Conference 1993. “Forum: Are We Prepared for Pesticidal Engineered Crops?: The Interface of Science and Society.” Graduate Student Panel Member. Entomological Society of America National Meeting, Indianapolis, IN.
- Symposium Organizer 1991. “Studies and Strategies in the Management of *Bacillus thuringiensis* resistance.” Entomological Society of America Eastern Branch Meeting. Richmond, VA.
- Invited Symposium Speaker 1991 “BT Resistance Management Working Group Symposium: A Survey of Current Research on Resistance to *Bacillus thuringiensis* Endotoxins.” Baseline Monitoring of Colorado Potato Beetle Susceptibility to *Bacillus thuringiensis* – Entomological Society of America National Meeting, Reno, NV. 1991.
- Invited Panel Participant: “Conference on the Scientific Evaluation of the Potential for Pest Resistance to *Bacillus thuringiensis* Delta-endotoxin.” Sponsored by USDA-ARS CSRS, January 22-23, 1992.

CONTRACTS AND GRANTS

USDA Northeast Potato Integrated Pest Management Competitive Grants. 1991.
Colorado Potato Beetle Resistance to the Biorational Insecticide, *Bacillus thuringiensis*.
PI with G.K. Roderick and G.P. Dively. \$15,000.

Biorational Insecticide Resistance Management Working Group/Industry Competitive
Grant Program. 1991. Characterization and Monitoring of Colorado beetle potato
susceptibility to *Bacillus thuringiensis*. PI with G.P. Dively, G.K. Roderick, and J.J.
Linduska. \$6800.

Industry Grant-In-Aids. 1990-1993. Contractual projects with commercial companies
involving field tests, bioassays for storage/stability evaluations, methods development of
artificial diet bioassay technique involving *B.t.* products, and bioassays of IGR and
chemical insecticides. PI with G.P. Dively and J.J. Linduska. \$70,000.

PATENTS

4,849,217 Novel isolates of *Bacillus thuringiensis* having activity against the Alfalfa weevil,
Hypera brunneipennis.

Professional Certification

Board Certified Entomologist, Specialty: Pesticide Development, Analysis and Toxicology
Entomological Society of America: 1995 to Present

Professional Training

Advanced Practical Techniques in Gas Chromatography, October 1997, Penn. State Univ.
Pesticide Regulation Course, December 1996, Govt. Inst., Wash, D.C.

PROFESSIONAL MEMBERSHIPS INFORMATION

Entomological Society of America
Society for Invertebrate Pathology
Gamma Sigma Delta – Agricultural Honor Society
American Phytopathological Society
American Chemical Society

PERSONAL

Birthdate: 11/25/55