

James A. Gagne, Ph.D.
Principal Consultant, Compliance Services International

PROFILE

Expert in regulatory ecotoxicology, especially for birds, ecological risk assessment, project management, and Good Laboratory Practices. Extensive experience in the overall process of product development and its interrelationship with risk assessment for non-target organisms. Majority of work has been on insecticides, including pyrethroids, organophosphates, carbamates, pyrroles, phenylpyrazoles, semicarbazones, as well as other classes that are not public information.

SELECTED ACHIEVEMENTS

Study Design, Execution, and Review

Designed, oversaw, and reviewed results for hundreds of studies, ranging from acute oral toxicity, to full scale field studies on hundreds of crop acres, to GIS evaluation of the US cotton belt.

Database Review and Compound Evaluation

Reviewed individual studies and the completeness of databases for dozens of pesticides. Prepared evaluations of data gaps or additional data needs. Assessed the likelihood and cost of gaining registrations.

Ecological Risk Assessment

Prepared risk assessments, including assessments for endangered species, for dozens of pesticides.

Training and Mentoring

Recruited and trained 6 PhD ecotoxicologists and 1 MS chemist. Oversaw special projects for 2 MS ecotoxicology students from Clemson University. Mentored 5 undergraduate summer interns in ecotoxicology.

COMMITTEE WORK

Environmental Risk Assessment Committee of CropLife America. Company's representative.

Made presentations to the EPA's FIFRA Scientific Advisory Panel in 1996 (avian toxicity test guidelines, honey bee test guidelines, corn cluster analysis for granular soil insecticides) and 1998 (EPA's proposed comparative risk assessment methodology). Specialist in avian testing and risk assessment. Oversaw a research project to summarize avian census results from industry field studies. 1995 – 2006

FIFRA Endangered Species Taskforce. Company's representative on the technical committee of this taskforce that developed data warehousing, analysis, and reporting systems to standardize the performance of assessments for endangered species. 2000 - 2006

Ecological Committee for FIFRA Risk Assessment Methodologies (ECOFRAM). Company's representative on this committee that developed proposals for performing probabilistic ecological risk assessments for pesticides. Served on the organizing committee. Member of the terrestrial assessment group. Prepared case studies for the initial workshop sessions. Drafted the chapter on research needs for the final report. 1997 – 1999

National Agricultural Chemical Association (NACA) Environmental Toxicology and Chemistry Subcommittee of the Research Directors' Committee. Company's representative and member, 1985-1987. Chair, 1987- 1990. Prepared reports on NACA workshops on avian and aquatic field testing. 1985-1990

James A. Gagne, Ph.D.
Principal Consultant, Compliance Services International

Avian Effects Dialogue Group, a coalition of individuals from the pesticide industry, environmental groups, Federal Agencies, and universities. The group aimed to identify and foster better, more cost effective ways to ensure the safety of our Nation's birds. Founding member and Company's representative. Co-authored the chapter on labeling and mitigation measures in the final report. 1988 - 1993

National Agricultural Chemicals Association (NACA) Subcommittee on Pest Survey and Detection. Company's representative. 1984 - 1985

Pyrethroid Effectiveness Group, an international consortium that monitors the field performance of pyrethroids. Company's representative. 1983 – 1985

OTHER EXTRAMURAL ACTIVITIES

- Invited Participant, Society of Environmental Toxicology and Chemistry Workshop "Research Priorities in Environmental Risk Assessment", 1987.
- Invited Participant, Society of Environmental Toxicology and Chemistry Workshop "Wildlife Toxicology and Population Modeling: Integrated Studies of Agroecosystems", 1993
- Invited Participant, Society of Environmental Toxicology and Chemistry Workshop "Avian Telemetry in Support of Pesticide Field Studies", 1994
- Adjunct Faculty Member, Clemson University's Institute of Wildlife and Environmental Toxicology 1995 - 1998
- Invited Speaker on risk assessment for pesticides, Association of Ecosystem Research Centers, Annual Meeting, 1996

EMPLOYMENT HISTORY

Compliance Services International, Lakewood, WA, Principal Consultant 2007-Present

BASF Corporation, Princeton, NJ and Research Triangle Park, NC, Research Fellow, Ecotoxicology 2000 – 2006

American Home Products, Princeton, NJ Associate Research Fellow and Research Fellow, Ecotoxicology 1994-2000

American Cyanamid Company, Princeton, NJ, Program Coordinator, Product Development Manager, Senior Product Development Manager, Principal Scientist, Associate Research Fellow 1980-1994

EDUCATION

Bachelor of Arts, Biology, **University of Connecticut**, 1972
Master of Science, Entomology, **University of Missouri**, 1975
Doctor of Philosophy, Entomology, **Texas A&M University**, 1980