

Jim Barron, Ph.D.
Managing Regulatory Consultant

Professional Profile

Dr. Jim Barron is a Managing Regulatory Consultant in Exponent's Health Sciences Center for Chemical Regulation and Food Safety. Dr. Barron has over 25 years with the Agrochemical industry as a Field Biologist, Product Development Manager, and Manager of Regulatory Affairs. From 1981 to 1986, Dr. Barron conducted field research programs for Monsanto Company to evaluate pre-commercial products and to optimize the performance of commercial pesticide products on major grain crops in the Midwestern United States. Subsequently, Dr. Barron assumed responsibility for Rhone-Poulenc Ag Company in planning, managing, and summarizing field research programs supporting development and commercialization of products in the U.S. and Canada. Since 1994, Dr. Barron has worked in Government and Regulatory Affairs for Aventis CropScience and Bayer CropScience and more recently in private practice. In these roles, he gained considerable expertise in all aspects of pesticide regulation in the NAFTA countries, including Federal and State registration procedures, data requirements, data protection and compensation, and general development and execution of regulatory strategy. This expertise has been utilized to address and favorably resolve regulatory issues and questions supporting the commercial objectives of clients involving numerous pesticide active ingredients, pesticide inert ingredients and herbicide safeners (inert ingredients used to improve herbicide selectivity). He has registered three new pesticide active ingredients and two new inert safeners with EPA as well as several new active ingredients and new products with the State of California. Dr. Barron has utilized progressive registration procedures such as NAFTA Joint Review, the IR-4 Minor Crop Use initiative, and the EPA Reduced Risk program to facilitate timely registrations. Dr. Barron also succeeded in registering the first pesticide use on a GMO crop (cotton) and has successfully managed numerous pesticide active ingredients through re-registration and registration review, both before and after the Food Quality Protection Act of 1996.

Dr. Barron's experience as a representative of the regulated industry and as a private consultant have resulted in an extensive contact base within the US EPA, US FDA, the USDA, the PMRA (Pest Management Regulatory Authority) in Canada, the COFEPRIS (health directorate of Mexico), and numerous agricultural commodity organizations, as well as the USDA IR-4 minor use project. In addition, he has served Crop Life America on the International Registration Committee, and the NAFTA Industry Working Group, working with senior regulatory authorities of the US, Canada, and Mexico to discuss and address policy issues such as global harmonization of regulatory requirements, the global label safety harmonization project, import tolerances and other agricultural commodity trade issues, and the development of a NAFTA-wide product label. Finally, Dr. Barron has served as an advisor/consultant to the Association Mexicana de la Industria Fitosanitaria (AMIFAC: the Crop Life America Registration Committee) of Mexico.

Academic Credentials and Professional Honors

Ph.D., Plant Pathology, Virginia Polytechnic Institute, 1981

M.S., Microbiology, Marshall University, 1976

B.S., Biology, Marshall University, 1974

Languages

French

Publications

Tomerlin JR, Barraja LM, Barron JA, Cappy J. Using Monte Carlo Techniques to estimate pesticide residue levels in edible animal tissues. Abstract, Society of Risk Analysis, 1997.

Barron JA. Cotton Gin Trash and the bromoxynil cotton registration: Discussion paper to support Petition 3f4233 renewing bromoxynil cotton tolerances and registration. Review Paper Submitted to US EPA to support removal of cotton gin trash from human dietary risk assessment. EPA MRID number 44386602, 1997.

Barron JA, Gouge ST. Gel formulations for herbicides. Proceedings, Weed Science Society of America (abstract), 1993.

Barron JA, Gouge ST. Gels: The next generation of pesticide formulations. Proceedings, North Central Weed Control Conference (abstract), 1992.

Barron JA. Select: A new postemergence grass herbicide for western Canada. Proceedings, Weed Science Society of America (abstract), 1992.

Barron JA. 1992. Results of bromoxynil worker exposure study and possible regulatory outcomes. Proceedings, Western Weed Society (abstract), 1992.

Lee SD, Hogue CW, Barron JA. Acifluorfen-imazaquin combinations for weed control in soybeans. Proceedings, SA Weed Society Association (abstract), 1988.

Barron JA, Ross MA. Trifluralin-acetanilide programs for control of johnsongrass in soybeans. Proceedings, North Central Weed Control Conference (abstract), 1984.

Barron JA, Phipps PM. Interaction of dinitramine and dinoseb with *Cylindrocladium crotolariae* and the *Cylindrocladium* black rot (CBR) disease of peanut. *Peanut Science* 1983; 10:101–106.

Phipps PM, Barron JA. Control of *Cylindrocladium* black rot of peanut by soil fumigation. *Phytopathology* 1981; 71(abstract).

Barron JA, Phipps PM. Effect of soil type and dinitramine on *Cylindrocladium* black rot of peanut. *Phytopathology* 1981; 71(abstract).

Barron JA. Effects of herbicides on *Cylindrocladium crotolariae* and the *Cylindrocladium* black rot disease of peanut. Ph.D. Dissertation, Virginia Polytechnic Institute, Blacksburg, VA, 115 pp, 1981.

Phipps PM, Barron JA. 1981. Efficacy of soil fumigants in control of CBR of peanut in Virginia. *Fungicide-Nematicide Tests* 1981; 36.

Barron JA, Phipps PM. Effect of dinitramine and dinoseb on *Cylindrocladium* black rot disease of peanut. *Proceedings, American Peanut Research and Education Society* 1980; 12:40(abstract).

Barron JA, Phipps PM. Rapid production of *Cylindrocladium crotolariae* microsclerotia. *Virginia Journal of Science* 1980; 31:17(abstract).

Barron JA. Effects of canavanine on root diseases of legumes caused by *Pythium* sp. *Virginia Journal of Science* 1978; 29:37(abstract).

Barron JA, Weaks TE. The effects of the amino acid canavanine on *Pythium*. *Physiol Plant Pathology* 1977; 11:305–311.

Barron JA. Studies of the effects of L-canavanine on *Pythium*. M.S. Thesis. Marshall University, Huntington, WV, 72 pp, 1976.

Barron JA. Effects of canavanine on *Pythium*. *Plant Physiology* 1976; 57:90 (abstract).

Prior Experience

Private Regulatory Consultant, 2006–2007
Senior Registration Manager, Bayer CropScience, 1994–2006
Product Development Manager, Rhone-Poulenc, 1986–1994
Field Biologist, Monsanto Company, 1981–1986

Project Experience

Successfully negotiated numerous favorable registration approvals and regulatory policy interpretations that supported business objectives through established relationships with the US EPA, the USDA, the US FDA, and various regulatory agencies in the 50 US states, Canada, and Mexico.

Utilized listening, observational, and organizational skills to mediate unnecessary regulation of a critical Bayer CropScience pesticide product line, and avert sales losses of over \$300 million.

Using clear and factual presentation and selling skills, Federal legislative and agricultural commodity contacts were persuaded to provide crucial political support that resulted in the first approval of an agricultural chemical use on a genetically modified crop, representing more than \$100 million in immediate chemical and seed sales revenue.

Used organizational, analytical, and technical writing skills to assemble and submit 3 complete new pesticide active ingredient dossiers that achieved EPA approval ahead of schedule and resulted in over \$100 million in new revenue.

Planned and completed ahead of schedule a 3-year field efficacy project in Canada that achieved Canadian regulatory approval of a new herbicide product and resulting in more than \$200 million in sales.

Represented Rhone-Poulenc, Aventis CropScience and Bayer CropScience commercial interests in minor pesticide uses by proposing and completing cooperative projects with the IR-4 minor use program, resulting in hundreds of new pesticide use registrations spanning over 40 active ingredients.

Professional Affiliations

- Crop Life America-International Registration Committee, 2000–2004
- NAFTA Industry Working Group, 2002–2007
- Association Mexicana De La Industria Fitosanitaria, A.C., 2002–2007