

Kevin D. Tucker
Managing Scientist

Professional Profile

Mr. Kevin D. Tucker is a Managing Scientist in Exponent's Health Sciences Center for Chemical Regulation and Food Safety. Mr. Tucker has 13 years of consulting experience addressing EPA-related regulatory issues for clients. His areas of expertise include conducting registerability evaluations for new compounds and addressing FIFRA regulatory issues concerning new and existing registrations (including experimental use permits) for conventional pesticides, biopesticides, and products of biotechnology. In addition, he has extensive experience working closely with clients to develop regulatory strategies to address regulatory issues at both the federal and state levels. Other areas of expertise include managing and conducting human health assessments for submission to the EPA and developing corresponding regulatory strategies. In addition, he has worked on specific pesticide related databases including the USDA's Pesticide Data Program, the FDA's Pesticide Monitoring Database, the FDA's Total Diet Study Database, and the state of California's Pesticide Monitoring Database and Pesticide Use/Usage Database. Additionally, Mr. Tucker has extensive experience in conducting training sessions for Exponent's Dietary Exposure Evaluation Model (DEEM™) for both government (EPA, USDA, and Health Canada) and private industry clients.

Academic Credentials and Professional Honors

B.S., Zoology, University of Maryland at College Park, 1992

Zoology Honor Society, University of Maryland, 1990

Publications

Tomerlin JR, Berry MR, Jr., Tran NL, Chew SB, Petersen BJ, Tucker KD, Fleming KH. Development of an exposure potential model for evaluating dietary exposure to chemical residues in food. *Journal of Exposure Analysis and Environmental Epidemiology* 1997; 7(1).

Reports

Tomerlin JR, Kidwell JL, Tucker KD, Chew SB, Lee KH. Dietary exposure assessment Phase II Report, Volume 1: Development of summary residue database for dietary exposure assessment. Report prepared for the U.S. Environmental Protection Agency under contract with Technology Applications, Inc., Cincinnati, OH, 1993.

Tran NL, Kidwell JL, Tomerlin JR, Chew SB, Tucker KD. Dietary exposure assessment Phase II Report, Volume 2: Development of NHEXAS core foods and food consumption estimates for dietary exposure assessments. Report prepared for the U.S. Environmental Protection Agency under contract with Technology Applications, Inc., Cincinnati, OH, 1993.

Presentations

Reiss R, Johnston J, DeSesso J, Tucker K. Pesticide residues on food: A mountain or a molehill. Presented at the Society for Risk Analysis (SRA) 2011 Annual Meeting, Charleston, SC, December 7, 2011.

Messina JB, Daniels CL, Polakoff BM, Tucker KD. Registration? But it's a natural product. Presentation at the American Chemical Society National Meeting, New York, NY, September 9, 2003.

Polakoff BM, Daniel A., Barraja LM, Tucker KD, Harris CA. Comparison of single-serving market basket survey data to composite monitoring data. Proceedings, IUPAC, Basel Switzerland, August 2002.

Julien EA, Berry MR, Tomerlin JR, Sert MY, Tucker KD, Waylett DK. Recent enhancements to the Dietary Exposure Potential Model. Poster Presented at the International Society for Exposure Analysis Meeting, Monterey, CA, October 24–27, 2000.

Barraja LM, Tucker KD, Tomerlin JR. Estimating individual sample residue distributions from composite sample distributions. Poster Presented at 1999 Annual Meeting of the Society for Risk Analysis, Atlanta, GA, December 5–8, 1999.

Tucker KD, Barraja LM, Walls CL, Polakoff BM. FQPA: The need to expand approaches for estimating dietary exposure to contaminants in meat and milk. Poster Presented at 1999 Annual Meeting of the Society for Risk Analysis, Atlanta, GA, December 5–8, 1999.

Tucker KD. The use of monitoring data in dietary risk assessment. Paper presented at the 34th Annual Pesticide Residue Workshop, St. Pete Beach, FL, July 14, 1997.

Dietary Exposure Evaluation Model™ Training for U.S. EPA, USDA, Health Canada, and private licensees.

Professional Affiliations

- Society for Risk Analysis, 1998–present
- International Society of Exposure Analysis, 1999–present
- Member of Registration Roundtable—RRT, 2003–present
- Co-Chair of Dietary Assessment Working Group—DAWG, 2002–2004