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Dr. David Raymond Forney was born and raised in Chestertown, Maryland. After graduating from Oberlin College in Ohio with a B.A. in Biology in 1976, he worked on the problem of submerged aquatic vegetation (SAV) decline in Chesapeake Bay, focusing on the theory that atrazine runoff from farmland was a cause. Two years' technical work with Dr. David Correll and the Smithsonian Institute on an EPA grant involved sampling and analysis of estuarine and upland runoff waters, monitoring and characterization of SAV populations, and laboratory and field experiments aimed at quantifying the sensitivity of SAV to herbicides. He moved on to study the same problem at Auburn University as a graduate student with Dr. Donald E. Davis. He completed a Masters degree in Botany/Weed Science in 1980, gaining broad exposure to terrestrial and agro-ecology. Switching his attention to weeds and their management in agriculture, he finished his Ph.D. in Weed Science at Virginia Tech in 1984 with Dr. Chester Foy. Thesis work involved evaluation of methods for no-tillage alfalfa establishment and the process of allelopathy as a factor in crop-weed relationships.

Dr. Forney entered a career in the crop protection industry in 1984, beginning with early-stage evaluation of potential herbicide candidates for Shell Development Company at Modesto, California. This work included field agronomy in various tillage systems in corn, soybeans, wheat, rice, cotton, and sorghum in California, Illinois, Mississippi, and the Rio Grande Valley of Texas.

Upon the purchase of Shell by DuPont, Dr. Forney conducted early stage herbicide discovery work for DuPont, focusing on soybeans, at Newark, DE. After two years of greenhouse and field research, he took a product development position in Iowa. His work there included field evaluations and sales support work in corn, soybeans, and pasture, and included agronomy in a wide range of situations, covering the western half of Iowa.

In 1993, Dr. Forney returned to Kent County, MD, to implement and manage A Sustainable Agriculture Project at DuPont's Chesapeake Farms. He was involved there with a diverse panel of farmers and a diverse group of collaborators in evaluating agronomic, economic and environmental aspects of grain farming systems. This project includes a watershed-based perspective on natural resources conservation, and nonpoint sources of agricultural origin. The site includes 3300 acres of diverse habitat and agricultural land, on which four field-scale watersheds have been characterized and instrumented for runoff monitoring. The project also includes a replicated-plot evaluation of the four farming systems that are compared on the four adjacent watersheds. Dr. Forney also managed the cash grain farming operation at Chesapeake Farms, in conjunction with the wildlife and habitat priorities.

In 1998, Dr. Forney relocated to Elkton, MD, having accepted the role of Warm Season Herbicide Discovery Leader for DuPont Crop Protection at Stine Haskell Laboratory.

In 2000, he began work on behalf of DuPont for CropLife International, the industry association in Brussels, relating to IPM, and at CropLife America in Washington, D.C., relating to product stewardship. He assumed the Global Product Stewardship responsibilities for DuPont Crop Protection in 2001, and expanded his efforts on behalf of the industry, including liaison work with World Bank and documentation and promotion of the conservation benefits of crop protection and vegetation management technologies globally.

In 2001, Dr. Forney assumed the role of Global Stewardship Manager for DuPont Crop Protection. In this capacity he is responsible for Formal Product Reviews for the global portfolio to assure thorough risk management, as well as Country Stewardship Reviews for the various regional business units, to audit their management practices. He also oversees a network of stewardship coordinators from DuPont's Agriculture and Nutrition Platform, including Pioneer, Solae, Liquid Packaging Systems, Qualicon, and BioBased Materials. His guidance for this function is gained through participation in DuPont's Global Stewardship Team.

Dr. Forney served on the Maryland governor's Agricultural NonPoint Source Initiative Committee in 1992 and 1993, and served from 1995 to 1998 as Chair of Maryland's Upper Eastern Shore Tributary Strategy implementation team. He served in 1997 and 1998 on an Expert Group for the OECD Pesticide Forum in a Pesticide Aquatic Risk Indicators project aimed at helping countries to measure their progress in reducing the risks associated with pesticide use. He has long been active in regional and national professional Weed Science Societies, and chaired the WSSA Sustainable Agriculture Committee from 1994 to 1999. He presently serves CropLife International on the Stewardship and Sustainable Agriculture Committee, the IPM project team, and the benefits project team.

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## RESUME - DAVID RAYMOND FORNEY

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### PERSONAL DATA:

Birth date: July 3, 1954  
Height: 6'3"  
Weight: 215 lbs.  
Health: Excellent

### EMPLOYMENT:

At present: Global Stewardship Manager, DuPont Crop Protection

1998-2001: Warm Seasons (corn, soybeans) Herbicide Discovery Leader, Agricultural Global Technology, DuPont Crop Protection

1993-1998: Project Manager, Sustainable Agriculture, DuPont Agricultural Enterprise, Chesapeake Farms, Chestertown, MD

1988 to 1992: Senior Product Development Representative, Iowa West, DuPont Ag Products. Product development and technical support to sales. University and influencer relationships (seed companies, consultants, distributors, etc.).

1986 to 1988: Research Biologist, Stine Lab, Newark, DE, DuPont Ag Products. Tertiary soybean herbicide screening/optimization, and preliminary field testing.

1984 to 1986: Plant Physiologist, Shell Development Company, Modesto, California. Tertiary greenhouse/field screening/optimization of herbicide chemistry; product development and field demonstration; operated at research farms at Modesto, CA, Decatur, IL, and Greenville, MS.

1976 to 1978: Research Technician, Chesapeake Bay Center for Environmental Studies (Smithsonian Institute), Edgewater, MD. Collection and analysis of environmental quality data from streams, tidal creeks, rivers and the Bay. Processing soil, water, air and plant samples; nutrient and pesticide analysis. Biological surveys. Laboratory and field experiments addressing sensitivity of aquatic plants to herbicides.

#### EDUCATION:

1984: Ph.D. Weed Science/Plant Physiology, VPI & SU, Blacksburg, Virginia. Dissertation: Sorghum-sudangrass hybrids for weed suppression in no-till alfalfa establishment (Included consideration of allelopathy as a positive factor in no-till).

1980: M.S. Botany/Weed Science, Auburn University, Alabama. Thesis: Effects of Atrazine on Chesapeake Bay Aquatic Plants

1976: B.A. Biology, Oberlin College, Ohio

1974: Summer studying estuarine ecology at Chesapeake Biological Laboratory (U. of MD), Solomon's Island, MD. Specific courses: Marine Plant Biology, Zooplankton Ecology.

#### COMMITTEE ACTIVITIES:

Stewardship and Sustainable Agriculture Committee, CropLife International, 2001 to present

Environmental Quality Committee, Weed Science Society of America, 1994-1999

OECD Expert Group, Pesticide Forum, Pesticide Aquatic Risk Indicators Model. 1997-1998.

Sustainable Agriculture Committee, Weed Science Society of America, co-chair. 1994-1999

Maryland Tributaries Strategy Program, Chair, Upper Eastern Shore Tributary Team. 1995-1998.

Governors' Agricultural NonPoint Source Initiative Committee, co-chair, Technical Assistance, Education and Outreach Subcommittee. 1992-1993.

Board of Directors, North Central Weed Science Society, 1990-1992.

Weed Resistance Committee, North Central Weed Science Society, 1990-1992.

Endangered Species Committee, Weed Science Society of America, 1987-1989.

Resolutions and Necrology Committee, Southern Weed Science Society, 1982-1985.

#### RECENT PUBLICATIONS

Forney, D.R., J. Strahan, C. Rankin, D. Steffin., C. J. Peter, T. D. Spittler, and J. L. Baker. 2000. Monitoring Pesticide Runoff and Leaching from Four Farming Systems on Field Scale Coastal Plain Watersheds in Maryland. Chapter 2 (pages 20-45) *in* T.R. Steinheimer, L.J. Ross, and T.D. Spittler, eds., *Agrochemical Fate and Movement: Perspectives and Scale of Study*. ACS Symposium Series 751, American Chemical Society, Washington, D.C.

Forney, D.R. 1999. Importance of Pesticides in Integrated Pest Management. Chapter 13 (pages 174-197) *in* N.N. Ragsdale and J.N. Seiber, eds., *Pesticides: Managing Risks and Optimizing Benefits*. ACS Symposium Series 734, American Chemical Society, Washington, D.C.

Forney, D. R. 1998. A Common Vision: Evaluating the Farming Industry's Progress Toward Sustainability. Pages 303 to 314 in R. J. Kuhr and N. Motoyama, eds. Pesticides and the Future: Minimizing Chronic Exposure of Humans and the Environment. Reviews in Toxicology, Vol 2 Nos. 1-4. IOS Press, Amsterdam

Numerous others; available upon request.