

Jeff B. Hillard  
Associate Professor of Plant & Environmental Science  
Department of Agricultural Sciences  
Louisiana Tech University  
Ruston, Louisiana 71272  
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## EDUCATION

- Ph.D. Soil Science  
Texas A&M University, May, 1989  
Dissertation: Coastal bermudagrass and Marshall ryegrass response to surface-applied limestone and phosphorus on an acid, sandy East Texas soil.
- M.S. Chemistry  
University of Idaho, June, 1974  
Thesis: A New Synthesis of Indole Derivatives.
- B.S. Chemistry  
University of Idaho, August, 1973

## EXPERIENCE

1997–present Associate Professor of Plant & Environmental Science  
1990–1997 Assistant Professor of Plant Science  
Department of Agricultural Sciences  
Louisiana Tech University

Teach undergraduate soil science, soil science laboratory, environmental science, introductory microcomputer methods, and statistical methods classes. Current research interest focused on rejuvenating compacted turfgrass and pasture soils. Major service activity is to host the FFA Invitational Soil Judging Contest in the fall of each year.

Summer 1994 Visiting Scientist  
Reclamation Engineering and Geosciences Section  
Energy Systems Division  
Argonne National Laboratory  
Argonne, Illinois 60439

Assisted Argonne scientists with several environmental projects.

1989–1990 Postdoctoral Research Associate  
Texas Agricultural Experiment Station  
Overton, Texas 75684

Conducted field and laboratory studies with the Small Fruits Sustainable Agriculture project.

1985–1989 Graduate Research Assistant  
1988–1989 Teaching Assistant  
Soil and Crop Sciences Department  
Texas A&M University  
College Station, Texas 77843

Evaluated forage response to limestone and phosphorus fertilization. Taught several introductory soil science laboratory sections

1983–1984 Foreman  
Kahili Farm  
Kilauea, Hawaii 96754

Supervised the daily operation of a 60 acre tropical fruit farm.

1978–1982 Senior Chemist  
Shaklee Corporation  
Hayward, California 94545

Responsible for the development, improvement, and technical support of the laundry care product line.

1974–1978 Research Chemist  
Monsanto Company  
St. Louis, Missouri 63166

Bench chemist who worked on process development projects associated with a 200 million pound per year alkylbenzene plant, waste treatment studies, and performed exploratory synthesis of surfactant biodegradation products and exploratory new surfactant molecules.

1972–1974 Teaching Assistant  
Research Assistant  
Chemistry Department  
University of Idaho  
Moscow, Idaho 83843

Developed a new synthetic approach for preparing 2,3-disubstituted indole derivatives. Taught organic chemistry laboratory classes.

## **GRANT PROPOSALS**

Hillard, J.B., C.W. Winstead, and W. Russell. Rejuvenation of Compacted Pastures and Turfgrass. Board of Regents Enhancement Grant. Pending. \$16,072 approved for funding.

Hillard, J.B., W.B. Patterson, and M. Vavrek. Soil and Environmental Science Teaching Laboratory Equipment Enhancement. Board of Regents Enhancement Grant. June 1, 2004 – May 30, 2005. \$20,862 funded.

Hillard, J.B., W. Russell, M. McCurdy. Vegetative Restoration of an Inland Crude Oil Spill Site. Louisiana Applied Oil Spill Research and Development Program (OSRADP). May 1, 2002 – April 30, 2004. \$70,780. Proposal withdrawn due to health issues of PI.

Hillard, J.B., W.B. Patterson, and M. McCurdy. Vegetative Restoration of an Inland Crude Oil Spill Site: An Extension of In Situ Burning and Phytoremediation Studies for Onshore Oil Spills. Louisiana Applied Oil Spill Research and Development Program (OSRADP). May 1, 2000 – April 30, 2001. Not funded

Hillard, J.B., W.B. Patterson, and M. McCurdy. In-Situ Burning and Phytoremediation Studies for Onshore Oil Spills. Louisiana Applied Oil Spill Research and Development Program (OSRADP). May 1, 1999 – April 30, 2000. \$70,447 funded.

Farrell, S., J. B. Hillard, and M. McCurdy. In-Situ Burning and Phytoremediation Studies for Onshore Oil Spills. Louisiana Applied Oil Spill Research and Development Program (OSRADP). May 1, 1998 – April 30, 1999. \$73,161 funded.

Farrell, S., J. B. Hillard, and M. McCurdy. Unassisted and Enhanced Remediation Studies for Onshore Oil Spills. Louisiana Applied Oil Spill Research and Development Program (OSRADP). May 1, 1997 – April 30, 1998. \$8727 funded.

McCurdy, M, J.B. Hillard, and B.B. Elmore. Baseline Experimental Studies for Onshore Oil Spills. May 1, 1996 – April 30, 1997. Louisiana Applied Oil Spill Research and Development Program (OSRADP). \$49,180 funded.

McCurdy, M, D.D. Charles, and J.B. Hillard. Baseline Experimental Studies for Onshore Oil Spills. May 1, 1995 – April 30, 1996. Louisiana Applied Oil Spill Research and Development Program (OSRADP). \$54,769 funded.

## **SCHOLARSHIPS & AWARDS**

1972	National Science Foundation Undergraduate Research Participant Chemistry Department University of Idaho
1988	Texas-Louisiana Aglime & Fertilizer Association Scholarship Soil & Crop Sciences Department Texas A&M University
1995-2004 2004-present	Agricultural Endowed Professor Linnie Leggett Endowed Professor Department of Agricultural Sciences Louisiana Tech University

## PROFESSIONAL MEMBERSHIPS

Alpha Gamma Rho  
Alpha Zeta  
Gamma Sigma Delta  
Louisiana Academy of Sciences  
Sigma Xi

## SELECTED PUBLICATIONS

Hillard, J.B., M. McCurdy, and S. Farrell. 1999. In situ burning and phytoremediation studies for onshore oil spills. Louisiana Applied Oil Spill Research and Development Program, OSRADP Technical Report, Series 99-*in press*, 33 p.

McCurdy, M, J.B. Hillard, and B.B. Elmore. 1998. Baseline experimental studies for onshore oil spills. Louisiana Applied Oil Spill Research and Development Program, OSRADP Technical Report Series 98-00, 28 p.

McCurdy, M, J.B. Hillard, and D.D. Charles. 1997. Baseline experimental studies for onshore oil spills. Louisiana Applied Oil Spill Research and Development Program, OSRADP Technical Report Series 96-008, 20 p.

Haby, V.A., J.B. Hillard, and G. Clary. 1996. Liming acid soils for ryegrass production. *Better Crops*. 80(1):14-16.

Hillard, J.B., V.A. Haby, F.M. Hons. M.E. Hussey, and C.E. Gates. 1993. Factors associated with annual ryegrass yield response to limestone. *Commun. Soil Science Plant Anal.* 24:789-812.

Hillard, J.B., V.A. Haby, and F.M. Hons. 1992. Phosphorus effects on magnesium uptake by forage grasses. *Better Crops*. 76:22-23.

Hillard, J.B., V.A. Haby, and F.M. Hons. 1992. Effects of limestone and phosphorus on nutrient availability and Coastal bermudagrass yield on an Ultisol. *Commun. Soil Science Plant Anal.* 23:175-188.

Hillard, J.B., V.A. Haby, and F.M. Hons. 1992. Annual ryegrass response to limestone and phosphorus on an Ultisol. *J. Plant Nutrition.* 15:1253-1268.

Patten, K., J.B. Hillard, G. Nimr, E. Neuendorff, D.A. Bender, J.L. Starr, G.W. Krewer, R.A. Culpepper, M. Bruorton, and B.J. Smith. 1991. Solarization and living mulch to optimize low-input production system for small fruit. In *Sustainable Agriculture Research and Education in the Field: A proceedings*. National Academy Press, Washington, D.C.

Hillard, J.B., B.S. Thyagarajan, K.C. Majumdar, and K.V. Reddy. 1974. A new synthesis of 2,3-disubstituted indoles. *J. Heterocyclic Chem.* 11:369-375.

Thyagarajan, B.S., J.B. Hillard, K.C. Majumdar, and K.V. Reddy. 1974. A novel synthesis of indole derivatives via a Claisen rearrangement. *Tetrahedron Letters*. 23:1999-2002.

## **PROFESSIONAL SERVICE ACTIVITIES**

1990–2007	Assisted with FFA Area I & II Contests
1990–1997 2005–present	Faculty Advisor, Alpha Gamma Rho
1992–2004	High School Literary Rally, Louisiana Tech University
1992–1993 1993–1994	Treasurer, Sigma Xi, Louisiana Tech University Chapter Secretary, Sigma Xi, Louisiana Tech University Chapter
1994–1995	Vice President, Sigma Xi, Louisiana Tech University Chapter
1994–2007	Judge, Region II Science and Engineering Fair
1995	Member, Planning Committee, Louisiana Academy of Sciences
1995–1996	President, Sigma Xi, Louisiana Tech University Chapter
2004–2007	Coordinator of the FFA Invitational Soil Judging Contest