

David H. Laughlin, Ph.D.
Resume

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Education

B.S., Agriculture, Mississippi State University, 1972
M.S., Agricultural Economics, Mississippi State University, 1977
Ph.D., Agricultural Economics, Texas A&M University, 1980

Professional Experience

Mississippi State University, Department of Agricultural Economics

1990-Present Professor/Economist
1985-1990 Associate Professor/Associate Economist
1980-1985 Assistant Professor/Assistant Economist

Current Position Responsibilities: 75% research, 25% teaching

My teaching responsibilities have included instruction from freshman level to graduate level. Specific courses include Introduction to Agricultural Economics, Advanced Farm Management, Mathematical Economics, Linear Programming and Quantitative Technique, Resource Economics, and Environmental Economics. I have counseled undergraduate students on curriculum and directed several Masters and Ph.D. theses. I have served on numerous graduate committees within the Department of Agricultural Economics as well as within other departments in the Division of Agriculture. Participated on internal curriculum evaluation committees and self-study teams.

My research includes applied analysis in farm management and resource economics. I have developed many research projects and served as a member of several interdisciplinary teams performing economic feasibility and analysis research for beef cattle, forages, cotton, soybeans, rice, and general farm management. I have developed and published several computer software packages designed to aid producers in record keeping, reporting, decision making, policy and government program analysis. I have participated on several regional research teams developing simulation models used in beef cattle research. I co-edited a book involving computer simulation modeling. I developed annual enterprise budgets for beef, forage, rice, cotton, and soybeans for distribution throughout the State. I co-developed and authored the computer software and methodology used in these budget preparations. I have secured funding and performed research for a US Army Corps of Engineers contract involving economic impact on agricultural producers of a declining alluvial aquifer in the Delta of Mississippi. I have authored and co-authored numerous publications and papers during the course of this research (refer to

publication list). Provided management oversight and directed office personnel, graduate students, and research associates. I have worked closely with scientists in many other disciplines and individual agricultural producers on various research projects across virtually every Experiment Station in the State and across every area of the State.

I had major research responsibilities for seven years in the economics of beef cattle production and forage management. For the past 15 years responsibilities have been in production and farm management economics of cotton, rice, soybeans, agricultural policy, resource economics.

Since 1995, I have coordinated the Departmental enterprise budget development process, which includes facilitating Departmental faculty in enterprise budget development and coordination of data input collection, budget preparation and publication, and final distribution to clientele. Also since 1995, I have coordinated the Division of Agriculture project with the State Tax Commission on Agricultural Use Value Assessment. That project includes the Department of Agricultural Economics, Mississippi Agricultural Statistics Service, the MSU Forestry Department and the Mississippi Extension Service as well as the State Tax Commission. Most recently, from 1996 to the present, I have coordinated the MAFES effort in precision farming and Advanced Spatial Technologies in Agriculture (ASTA). In 1998 the effort included eighteen projects and more than twenty scientists. In 2000 the effort includes more than 25 projects and 37 scientists.

I have served on numerous departmental and University committees including: departmental Graduate Examining; Teaching Evaluation; Computer Advisory Research Program and Policy; Research Evaluation; as Chairman, Experiment Station Cotton Economics RPM Work Group; and University Fringe Benefits. I served as Secretary of Regional Research Project S-156. I have chaired several AAEA and SAEA selected paper sessions and discussion panels at professional meetings.

Texas A&M University

1979 Research Associate, Texas Water Resources Institute
1978-1979 Graduate Research Assistant, Department of Agricultural Economics.
Major Professor, Ronald Lacewell

Responsibilities: Graduate School and Research
Graduate training in Agricultural Economics with emphasis in Production and Resource Economics. Dissertation research involved economic evaluation of de-salting the Red River along the northern border of Texas, a project on contract with the U.S. Army Corps of Engineers.

Mississippi State University

1977-1978 Research Associate
1975-1977 Graduate Research Assistant, Department of Agricultural
Economics. Major Professor, Fred Tyner

Responsibilities: Graduate School and Research
Graduate training in Agricultural Economics and research in
economics of livestock production in Mississippi.

Professional Organizations

Mississippi Agricultural Economics Association
American Agricultural Economics Association
Southern Agricultural Economics Association
Mississippi Society of Farm Managers and Rural Appraisers

Research

Areas of Training, Experience and Responsibility

Production Economics
Resource Economics
Farm Management
Mathematical and Computer Modeling
Microcomputer Applications

David H. Laughlin Publications and Presentations

Laughlin, David H., et al. "Rice 1994-2003 Planning Budgets." Department of Agricultural Economics Budget Report 2002-004, Mississippi Agricultural & Forestry Experiment Station, December 1993-2002.

Laughlin, David H., et al. "Cotton 1996-2003 Planning Budgets." Department of Agricultural Economics Budget Report 2002-003, December 1995-2002.

Laughlin, David H., et al. "Soybeans 2003 Planning Budgets." Mississippi State University, Department of Agricultural Economics Budget Report 2002-005. December 2002.

Laughlin, David H., et al. "Corn, Grain, Sorghum & Wheat 2003 Planning Budgets." Mississippi State University, Mississippi Agricultural and Forestry Experiment Station, Department of Agricultural Economics Budget Report 2002-002, December 2002.

Laughlin, David H., et al. "Brown Loam 2003 Planning Budgets." Mississippi State University, Mississippi Agricultural and Forestry Experiment Station, Department of Agricultural Economics Budget Report 2002-008. December 2002.

Laughlin, David H., et al. "Delta 2003 Planning Budgets." Mississippi State University, Mississippi Agricultural and Forestry Experiment Station, Department of Agricultural Economics Budget Report 2002-010. December 2002.

- Laughlin, David H., et al. "Black Belt 2003 Planning Budgets." Mississippi State University, Mississippi Agricultural and Forestry Experiment Station, Department of Agricultural Economics Budget Report 2002-007. December 2002.
- Laughlin, David H., et al. "Coastal Plains 2003 Planning Budgets." Mississippi State University, Mississippi Agricultural and Forestry Experiment Station, Department of Agricultural Economics Budget Report 2002-009. December 2002.
- Laughlin, David H., et al. "Vegetables 2003 Planning Budgets." Mississippi State University, Mississippi Agricultural and Forestry Experiment Station, Department of Agricultural Economics Budget Report 2002-006. December 2002.
- Laughlin, David H., et al. "Forage 2003 Planning Budgets." Mississippi State University, Mississippi Agricultural and Forestry Experiment Station, Department of Agricultural Economics Budget Report 2002-001. December 2002.
- 2002 Summer Commodity Conference, Mississippi Farm Bureau Federation Presentation, "Agricultural Land Use Values." July 2002.
- Laughlin, David H. MSBG V.5.5 Mississippi State Budget Generator Program and Users Guide. Mississippi State University, Department of Agricultural Economics, Downloadable Web Document. 2001.
- Doler, Jeff C. and David H. Laughlin. "Investment Analysis of Commercial Variable Rate and Conventional Fertilizer Spreading Systems." Mississippi State University, Mississippi Agricultural & Forestry Experiment Station, Bulletin 1105. September 2001.
- Laughlin, David H. and Stan R. Spulock. "Ad Valorem Taxes for Agricultural Land and Alternative Appraisal Methods for Catfish Ponds in Mississippi." Mississippi State University, Department of Agricultural Economics Staff Report 2001-001. September 2001.
- Laughlin, David H. and Stan R. Spurlock. "Ad Valorem Taxes for Agricultural Land and Alternative Appraisal Methods for Catfish Ponds in Mississippi." Mississippi State University, Department of Agricultural Economics Staff Report 2001-01. September 2001.
- Laughlin, David H. and Terry R. Hanson. "Construction Costs for Catfish Ponds for Ad Valorem Taxation Purposes." Mississippi State University, Department of Agricultural Economics Staff Report 2001-03. November 2001.
- Shaw, David R., James C. Arnold, Charles E. Snipes, David H. Laughlin, and J. Anthony Mills. "Comparison of Glyphosate-Resistant and Nontransgenic Soybean (Glycine max) Herbicide Systems. Weed Technology. 2001. Volume 15:676-685.

- Laughlin, David H. Preliminary Comments on, "An Approach for Evaluating Nonstructural Actions with Application to the Yazoo River (Mississippi) Backwater Area.", by Leonard Shabman and Laura Zepp, Virginia Tech. Unpublished Report, Department of Agricultural Economics, August 2000.
- Parsons, R. Scott and David H. Laughlin. "A Cost Study of On-Farm Rice Drying and Storage Facilities in Mississippi." Information Bulletin 341, Mississippi Agricultural & Forestry Experiment Station, August 1998.
- Luttrell, R. G., F. T. Cooke, T. B. Freeland, J. W. Gibson, F. A. Harris, D. H. Laughlin, J. T. Reed, and C. E. Watson. "Study of Cotton Insect Control Problems in Mississippi During 1995 with Special Emphasis on Boll Weevil Eradication and Tobacco Budworm." Mississippi Agricultural & Forestry Experiment Station, Technical Bulletin 217, July 1997.
- Gibson IV, Joe W., David Laughlin, Randy G. Luttrell, Don Parker, Jack Reed, and Aubrey Harris. "Comparison of Costs and Returns Associated with Heliothis Resistant Bt Cotton to Non-resistant Varieties." Paper presented at Beltwide Cotton Conference, New Orleans, LA, January 1997.
- Laughlin, David H. and Robert K. Mehrle. "An Economic Evaluation: Straight Versus Contour Levee Rice Production Practices in Mississippi." Mississippi Agricultural & Forestry Experiment Station, Bulletin 1063, December 1996.
- Laughlin, David H. and Robert K. Mehrle. "Contour Levee vs. Straight Levee Rice Systems, Part I." Delta Farm Press, October 11, 1996.
- Laughlin, David H. and Robert K. Mehrle. "Contour Levee vs. Straight Levee Rice Production, Part II." Delta Farm Press, October 4, 1996.
- Laughlin, David H. and Robert K. Mehrle. "An Economic Evaluation of Rice Production Practices in Mississippi: Costs and Returns, 1994." Agricultural Economics Research Report No. 200, April 1995.
- Spurlock, S.R. and D.H. Laughlin. "A User's Guide to the FLEXPLAN '95 Farm Planning Worksheet." Agricultural Economics Technical Bulletin No. 94, March 1995.
- Laughlin, David H., et al. "1995 Planning Budgets." Agricultural Economics Report No. 65-69, Department of Agricultural Economics, Mississippi Agricultural & Forestry Experiment Station, December 1994.
- Laughlin, David H., Lynn L. Reinschmiedt, and James Hamill. "Agricultural Non-Crop Flood Damage: Mississippi Delta, Mississippi." Unpublished report to U.S. Army Corps of Engineers, September 1994.

- Schweikhardt, David B., Stan R. Spurlock, and David H. Laughlin. "FLEXPLAN '93: A User's Guide to the FLEXPLAN Farm Planning Worksheet." Agricultural Economics Technical Bulletin No. 91, February 1993.
- Forrester, Mary Helen and David H. Laughlin. "The Economic Impacts of Alternative Premium and Discount Loan Schedules on Mississippi Cotton Producers." Paper presented at Beltwide Cotton Conference, Nashville, TN, January 1992.
- Koger, Jerry and David H. Laughlin. "Determining Optimum Road Length Using Linear Programming Techniques." Paper presented at American Society of Agricultural Engineers, Chicago, IL, December 17, 1991.
- Laughlin, David H. "Cotton Bale Records II, User's Guide." Agricultural Economics Publication No. 81, October 1991.
- Forrest, Charlie S. and David H. Laughlin. "Economics of Wintergrazing 300-500 Pound Calves in Mississippi." MCES Publication 932, August 1991.
- Schweikhardt, David B., David H. Laughlin, and Stan R. Spurlock. "A User's Guide to the FLEXPLAN Farm Planning Spreadsheet." Agricultural Technical Bulletin No. 82, January 1991.
- Forrester, Mary Helen and David H. Laughlin. "High Volume Instrument Cotton Classing: The Economic Impacts on Mississippi Cotton Producers." AEC Research Report No. 191, December 4, 1990.
- Commer, Jr., M., W.C. Couvillion, D.H. Laughlin, and C.W. Herndon, Jr. "Costs of Winter Grazing, Summer Grazing, and Finishing Calves in the Southeast." Staff Paper Series 88, Department of Agricultural Economics, Mississippi State University, 1989.
- Forrest, Charlie S. and David H. Laughlin. "Economics of Winter Grazing 300-500 Pound Calves in Mississippi." MCES Publication 932, July 1989.
- Laughlin, David H., et al. "1989 Costs for Forage." Agricultural Economics Report No. 33, April 1989.
- Laughlin, David H. "Field Records User's Manual." Agricultural Economics Technical Publication No. 78, Mississippi Agricultural and Forestry Experiment Station, September 1988.
- Windham, Tony E., Lynn L. Reinschmiedt, David H. Laughlin, Stan R. Spurlock, and Fred Cooke. "Economic Impacts of the Food Security Act of 1985 on Representative Mississippi Delta Farms." Paper presented at Southwestern Society of Economists Annual Meetings, San Antonio, TX, March 2-5, 1988.

- Spurlock, Stan R., David H. Laughlin, and William D. Dixon. "FARM PLANNER User's Manual." Agricultural Economics Technical Publication No. 71, Mississippi Agricultural and Forestry Experiment Station, February 1988.
- Windham, Tony E., Lynn L. Reinschmiedt, David H. Laughlin, Stan R. Spurlock, and Fred Cooke. "Economic Impacts of Payment Limitations on Representative Cotton Farms in the Delta Area of Mississippi." Paper presented at Beltwide Cotton Production Conference, New Orleans, LA, January 1988.
- Laughlin, David H. "A Cotton Bale Records Program for Microcomputers." Paper presented at Beltwide Cotton Production Conference, New Orleans, LA, January 1988.
- Hamill, James G. and David H. Laughlin. "Cost of Producing Cotton in the Delta Area of Mississippi." 1987 Proceedings Beltwide Cotton Production Research Conferences, National Cotton Council of American in cooperation with The Cotton Foundation, Memphis, TN, January 4-8, 1987.
- Hamill, James G. and David H. Laughlin. "Costs of Producing Cotton in the Delta Area of Mississippi." Beltwide Cotton Production Research Conferences, 1987 Proceedings, January 1987.
- Laughlin, David H., Roger White, Hiram Palmertree, and Leonard Gossen. "Evaluation of Two-Forage Utilization Systems for Beef Cattle in North Mississippi." MAFES Information Bulletin 100, Mississippi Agricultural and Forestry Experiment Station, January 1987.
- Forrest, Charlie and David H. Laughlin. "Economics of Wintergrazing 300-500 Pound Calves in Mississippi, 1987." MCES Publication 932, Mississippi Cooperative Extension Service, July 1987.
- "1987 Forage Crops." MAFES and MCES, Agricultural Economics Report 22, April 1987.
- Spurlock, Stan R. and David H. Laughlin. "Mississippi State Budget Generator User's Guide, Version 2.0." Agricultural Economics Technical Publication No. 64, Mississippi Agricultural and Forestry Experiment Station, May 1987.
- Laughlin, David H. and Sharon L. Hamlin. "MAFES Cattle Records System User's Guide." Agricultural Economics and Technical Publication No. 68, Mississippi Agricultural and Forestry Experiment Station, September 1987.
- Reinschmiedt, Lynn L. and David H. Laughlin. "Estimating Agricultural and Fish and Wildlife Water Demands: An Essential Component of Water Use Management." Paper presented at Water Resources Conference, February 12, 1986, Jackson, MS. AEC Staff Paper Series 75, Department of Agricultural Economics, Mississippi State University, March 1986.

- Laughlin, David H. and W. Charles Walden. "Delivering, Updating, and Maintaining Large-Scale Simulation Models: The Role of Professional Agricultural Economists." Chapter XI in *Simulation of Beef Cattle Production Systems and Its Use in Economic Analysis*, edited by Thomas H. Spreen and David H. Laughlin, Westview Press, 1986.
- Parsch, Lucas D., Otto J. Loewer, and David H. Laughlin. "Use of the Kentucky Beef Forage Model in Economic Analysis." Chapter VI in *Simulation of Beef Cattle Production Systems and Its Use in Economic Analysis*.
- Simulation of Beef Cattle Production Systems and its Role in Economic Analysis*, edited by Thomas H. Spreen and David H. Laughlin, Westview Press, Boulder and London, 1986.
- Laughlin, David H. "A Cotton Bale Records Program User's Guide." Agricultural Economics Technical Publication No. 59, Department of Agricultural Economics, Mississippi State University, June 1986.
- Forrest, Charlie and David H. Laughlin. "Economics of Wintergrazing 300-500 Pound Calves in Mississippi." MCES Publication 932, Mississippi Cooperative Extension Service, July 1986.
- Essig, H. E., E. G. Morrison, H. D. Palmertree, R. R. Evans, D. H. Laughlin, C. E. Cantrell, Roger White, R. L. Ivy, and Richard Gebhart. "Ammoniated Hay for Cow Wintering Diets." Mississippi Agricultural and Forestry Experiment Station Bulletin 949, December 1986.
- Laughlin, David H., et al. "Effect of Location and Diet on Performance and Profitability of Finishing Mississippi Beef Steers After Wintergrazing." Mississippi Agricultural and Forestry Experiment Station Bulletin No. 933, February 1985.
- Laughlin, David H., L. A. Parsch, M. A. Brown, and A. C. Linnervd. "The Economic Component." Chapter VI in *Simulation of Forage and Beef Production in the Southern Region*, Southern Cooperative Series Bulletin 308, January 1985.
- Spurlock, Stan R., David H. Laughlin, W. Charles Walden, and David W. Parvin. "Mississippi State Budget Generator User's Guide." AEC Technical Publication No. 52, February 1985.
- Laughlin, David H. "Delivery of Large-Scale Simulation Models to Clientele." Paper presented at Symposium entitled Simulation of Beef Cattle Production Systems and Its Use in Economic Analysis, Atlanta, GA, April 1985.
- Parsch, Lucas D., Otto J. Loewer, and David H. Laughlin. "Use of the Kentucky Beef Forage Model in Economic Analysis." Paper presented at Symposium entitled Simulation of Beef Cattle Production Systems and Its Use in Economic Analysis, Atlanta, GA, April 1985.

- Brodnax, H. Doss Jr., Charlie S. Forrest, and David H. Laughlin. "Economics of Wintergrazing 300-500 Pound Calves in Mississippi." MCES Publication 932, Mississippi Cooperative Extension Service, July 1985.
- Laughlin, David H. "DHLLP, A Microcomputer Linear Programming Package." Agricultural Economics Technical Publication No. 48, Department of Agricultural Economics, Mississippi State University, March 1984.
- Laughlin, David H. and W. Charles Walden. "A Field Record System for Crops, Pastures, and Orchards." Agricultural Economics Technical Publication No. 49, Department of Agricultural Economics, Mississippi State University, May 1984.
- Laughlin, David H. "A Microcomputer Linear Programming Package: An Alternative to Mainframes." Southern Journal of Agricultural Economics, July 1984.
- Brodnax, H. Doss, Jr., David H. Laughlin, and Charlie Forrest. "Economics of Wintergrazing 300-600 Pound Calves in Mississippi." MCES Publication 932, Mississippi Cooperative Extension Service, 1984.
- Laughlin, David H. and James L. O'Bannon. "GRAZERII, A Microcomputer Program for Grazing Evaluation." AEC Technical Publication No. 41, Department of Agricultural Economics, Mississippi State University, January 1983.
- Brodnax, H. Doss, Jr. and David H. Laughlin. "Economics of Winter Grazing 300-600 Pound Calves in Mississippi." MCES Publication 932, 1983.
- Laughlin, David H. and Lynn L. Reinschmiedt (Co-Principal Investigators). "Agricultural and Fish Wildlife Water Demand Study, Yazoo River Basin, Volumes I and II." Report to the U.S. Army Corps of Engineers, Vicksburg District, Contract DACW38-82-C-0084, September 1983.
- Cooke, et al. "Cost of Establishing and Maintaining Forage Crops in Mississippi, 1982." Agricultural Economics Report No. 5, March 1982; Agricultural Economics Report No. 11, March 1983; Agricultural Economics Report No. 17, February 1984, Department of Agricultural Economics, Mississippi State University.
- Wilson, John C., H. Doss Brodnax, Charles Forrest, and David H. Laughlin. "Cattle Supply." Paper presented to Annual Meeting of Mississippi Farm Bureau, July 1982.
- Laughlin, David H. and Ronald D. Lacewell. "Agricultural Benefits of Salinity Control on the Red River." Western Journal of Agricultural Economics, December 1981.
- Laughlin, David H. "GRAZER, A Microcomputer Program for Wintergrazing Evaluation." AEC Technical Publication No. 30, Department of Agricultural Economics, Mississippi State University, 1981.

- Conner, J. Richard and David H. Laughlin. "Livestock and Meat Supply: Situation and Outlook." Staff Paper No. 54, July 1981.
- Laughlin, David H., Ronald D. Lacewell, and Donald S. Moore. "The Agricultural Benefits of Salinity Control on the Red River of Texas and Oklahoma." Texas Water Resources Institute Technical Report 112, Dec. 1980.
- Laughlin, David H. and Fred H. Tyner. "Cattle Feeding Computer Simulation Program: Description and Documentation." AEC Technical Publication No. 21, Department of Agricultural Economics, Mississippi State University, September 1980.
- Tyner, Fred H., David H. Laughlin, Werner Essig, and Roy Burris. "Computer Simulation of Silage-Based Cattle Feeding Under Southeastern U.S. Conditions." Contributed paper presented to Southern Association of Agricultural Economics, February 1979.
- Laughlin, David H., Fred H. Tyner, and H. W. Essig. "Computer Formulation of Livestock Feed Mixtures." Mississippi Agricultural and Forestry Experiment Station Technical Bulletin 97, April 1979.
- Tyner, Fred H. and David H. Laughlin. "A Least-Cost Feed Mix Comparison of Corn Silage VS Sorghum Silage for Beef Cattle Feeding." Contributed paper to the Mississippi State University Animal Science Livestock Field Day, April 20, 1978, Mississippi Agricultural and Forestry Experiment Station and Mississippi Cooperative Extension Service publication, April 1978.
- Laughlin, David H. and Fred H. Tyner. "Profitability of Systems for Growing and Finishing Weaned Calves in the Upper Coastal Plain of Mississippi." Mississippi Agricultural and Forestry Experiment Station Bulletin 873, September 1978.
- Laughlin, David H. and Fred H. Tyner. "Cost of Establishing and Maintaining Forage Crops in the Upper Coastal Plain Area of Mississippi, 1977." Mississippi Agricultural and Forestry Experiment Station Bulletin 861, October 1977.