

1 May 2019

CURRICULUM VITA

ARNE HALLAM

Associate Dean, College of Liberal Arts and Sciences

Professor, Department of Economics

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EDUCATION

<u>Institution</u>	<u>Degree</u>	<u>Year</u>	<u>Field</u>
Brigham Young University	BS	1977	Agricultural Economics (summa cum laude)
University of California, Berkeley	MS	1980	Agricultural and Resource Economics
University of California, Berkeley	PhD	1983	Agricultural and Resource Economics

HONORS AND AWARDS

Valedictorian, College of Biological and Agricultural Sciences, Brigham Young University
Outstanding Senior, Department of Agricultural Economics, Brigham Young University
Willard D. Thompson Memorial Graduate Scholarship, University of California, Berkeley
Honor Students' Society, University of California, Berkeley
Walnut Grove Award for Excellence in Teaching and Research at Iowa State University
2005 Outstanding Achievement in Departmental Leadership, College of Liberal Arts and
Sciences, Iowa State University

MAJOR RESEARCH INTERESTS

Production Economics, Natural Resource Economics, Risk and Uncertainty, Sustainability, Welfare
Economics, Water Economics, Economic Development, Market Structure

PROFESSIONAL MEMBERSHIPS

American Economic Association
American Association of Agricultural Economics
Econometric Society
Phi Beta Kappa
Alpha Zeta

PROFESSIONAL EXPERIENCE

2009- Associate Dean, College of Liberal Arts and Sciences, Iowa State University
2000-2009 Chair, Department of Economics, Iowa State University
1997-present Professor of Economics, Iowa State University
1988-97 Associate Professor of Economics, Iowa State University
1983-88 Assistant Professor of Economics, Iowa State University
1980-83 Assistant Professor of Agricultural Economics, Brigham Young University

OTHER PROFESSIONAL ACTIVITIES

Tellers Committee, American Agricultural Economics Association, 2011-2014
Member of American Agricultural Economics Association Finance Committee, 2008-2011
Iowa Governor's Council of Economic Advisors, 2007-2010
Board of Directors, The Council on Food, Agricultural and Resource Economics (C-FARE), 2005-2010
Administrative Advisor, Multistate Research Coordinating Committee/Information Exchange Group
NCCC134, October 2004-present
Chair, American Agricultural Economics Association Employment Services Committee, 2003-2008
Chair, NCA-12, 2007-2008
Chair, National Association of Agricultural Economics Administrators (NAAEA), 2004-2007
Vice-President (North central region), NAAEA, 2003-2005
Chair, Annual Business Meeting and Breakfast for Department Chairs, American Economic Association,
2001-2009
Book Review Editor, *American Journal of Agricultural Economics*, 1997-2000
Director of Undergraduate Programs, Department of Economics, Iowa State University, 1995-1998
Interim Chair, Department of Economics, Iowa State University, 1994
Director of Graduate Studies, Department of Economics, Iowa State University, 1993-1995
Executive Committee, American Agricultural Economic Association Task Force on Commodity Returns,
1992-1998
Associate Editor, *American Journal of Agricultural Economics*, 1991-1994
Editorial Council, *Journal of Environmental Economics and Management*, 1988-1991
Chair, Regional Research Project S-232 "Quantifying Long Run Agricultural Risks and Evaluating
Farmer Responses to Risk," 1992-1994
Member of American Agricultural Economics Association Committee on Statistics, 1990-1993
Chair, Regional Research Project NC-181 "Determinants of Farm Size and Structure in American
Agriculture," 1988-1991
Chair, Regional Committee NCR-113 "Farm and Financial Management," 1988-1989
Chair, Tellers Committee, American Agricultural Economics Association, 1986-1988

RECENT UNIVERSITY COMMITTEES

Co-Chair, Transition Team for Workday and Improved Service Delivery, LAS, 2018 --
Chair, Program Implementation Team for Workday, LAS, 2018--
Member, Evaluation Committee for Office of the Senior Vice-President and Provost, 2018-2019
Member, Teaching Technology Advisory Committee, 2018-
Member WorkCyte Committee, 2017-
Member, Technology Enterprise Advisory Committee, 2016-
Co-chair, Data Science Curriculum Coordination Committee 2015-
Chair, Education Abroad Committee 2012-
University Budget Advisory Committee 2012-2014
Information Technology Advisory Committee 2012-2015
Business, Finance and Facilities Planning and Management Committee 2012 - 2017

Co-Chair, Resource Management Model Review Committee 2011-2012
Chair, Computer Curriculum Coordination Committee 2010-
Chair, Student Affairs Advisory Committee, 2009-
University Budget Advisory Committee (UBAC), April 2007-June 2009
College of Agriculture Budget Model Task Force, February 2006-February 2009
College of Agriculture 150th Planning Committee, November 2005-May 2008
College of Agriculture Strategic Plan Review Committee, December 2004-June 2006
Communities and Economic Development (CED) Program Committee, October 2004-July 2005
College of Liberal Arts and Sciences Budget Advisory Group (BAG), December 2003-December 2011
ISU Extension Public Policy Education Coordinating Team, June 2003-January 2008
Chair, University Calendar Task Force, November 2002-July 2004
Chair, University Calendar Committee, May 2002-present

TEACHING EXPERIENCE (USA)

Production Economics	Mathematical Economics
Microeconomic Theory	Market and Price Analysis
Econometrics	Dynamic Optimization
Globalization and Sustainability	Mathematical Programming
Agricultural Marketing	Economic Development
Principles of Economics	Industrial Organization
Risk and Uncertainty	Agricultural Finance
Resource and Environmental Economics	Farm Management
Water Economics	Macroeconomics
Welfare Economics	Ethics

TEACHING EXPERIENCE (Other)

Water Economics	Ludhiana, India June 2008
Water Economics	Salt, Jordan March 2010

PUBLICATIONS

I. Refereed Journal Articles

Awad, Ibrahim, Hasan Abu Lateefeh, Arne Hallam, and Mahmoud El-Jafari
“Econometric analysis of consumer preferences and willingness-to-pay for organic tomatoes in Palestine: Choice experiment method” *Journal of Development and Agricultural Economics* 11(4): 71–81 (April 2019) DOI: 10.5897/JDAE2018.1024

Awad, Ibrahim, Mahmoud Alialhuseen and Arne Hallam. “Testing the Validity of Okun's Rule of thumb Across Palestine and Israel” *Review of Applied Economics* 13(1—2) (2017): 37--54.

Manatt, Robert K. Arne Hallam, Lisa Shulte, Emily Heaton, Theo Gunther, Richard B. Hall, and Ken Moore. “Farm-scale costs and returns for second generation bioenergy cropping systems in the US Corn Belt.” *Environmental Research Letters* 8 (2013) 035037 (10pp) doi:10.1088/1748-9326/8/3/035037

Wang, C-H., V. Diderrich, J. Kliebenstein, S. Patton, J. Zimmerman, A. Hallam, E. Bush, C. Falkner, and R. McCord. “*Toxoplasma gondii* Levels in Swine Operations: Differences Due to Technology Choice and Impacts on Costs of Production.” *Food Control* 13(2) (March 2002): 103-6.

Hallam, A., I. C. Anderson, and D. R. Buxton. “Comparative Economic Analysis of Perennial, Annual and Intercrops for Biomass Production.” *Biomass and Bioenergy* 21 (2001): 407-24.

Buxton, D. R., I. C. Anderson, and A. Hallam. “Performance of Sweet and Forage Sorghum Grown Continuously, Double Cropped with Winter Rye, or in Rotation with Soybean and Maize.” *Agronomy Journal* 91 (1999): 93-101.

Lawrence, John D., John Shaffer, Arne Hallam, and Thomas J. Baas. “Factors Impacting Production and Economic Variability in Traditional Midwest Swine Enterprises.” *Journal of the American Society of Farm Managers and Rural Appraisers* (1998-99): 101-6.

Buxton, D. R., I. C. Anderson, and A. Hallam. “Intercropping Sorghum into Alfalfa and Reed Canarygrass to Increase Forage Yield.” *Journal of Production Agriculture* 11 (1998): 481-86.

Huang, T., A. Hallam, P. Orazem, and E. M. Paterno. “Empirical Tests of Efficiency Wage Models.” *Economica* 65 (1998): 125-43.

Hassan, R. M., and A. Hallam. “Macro-Economic Linkages to Agriculture: A General Equilibrium Model for Sudan.” *Journal of Agricultural Economics* 47(1) (January 1996): 66-88.

- Babu, S. C., A. Hallam, and B. Rajasekaran. "Dynamic Modeling of Agroforestry and Soil Fertility Interactions: Implications for Multi-disciplinary Research Policy." *Agricultural Economics* 13 (1995): 125-35.
- Lei, Li-Fen, D. Liu, and A. Hallam. "Solving for Optimal Futures and Options Positions Using a Simulation-Optimization Technique." *The Journal of Futures Markets* 15 (1995): 559-72.
- Sakong, Y., D. Hayes, and A. Hallam. "Hedging Production Risk with Options." *American Journal of Agricultural Economics* 75 (1993): 408-15.
- Kim, T., D. Hayes, and A. Hallam. "Technology Adoption Under Price Uncertainty." *Journal of Development Economics* 38 (1992): 245-54.
- Hallam, A. "Economies of Size and Scale in Agriculture: An Interpretative Review of Empirical Measurement." *Review of Agricultural Economics* 13 (1991): 155-72.
- Hansen, L. T., and A. Hallam. "National Estimates of the Recreational Value of Streamflow." *Water Resources Research* 27 (1991): 167-76.
- Hassan, R., B. D'Silva, and A. Hallam. "Testing for Decreasing Risk Aversion in Traditional Farming: The Case of Sudan." *Eastern Africa Journal of Rural Development*, 1991.
- Smith, Elwin G., and A. Hallam. "Optimal Cropping and Soil Erosion Patterns Using Alternative Measures of Soil Erosion Productivity Inputs." *Journal of Production Agriculture* 3 (1990): 594-96.
- Weimar, M. R., and A. Hallam. "Risk Sharing in Custom Cattle Feeding." *North Central Journal of Agricultural Economics* 12 (1990): 279-91.
- Hansen, L. T., and A. Hallam. "Single Stage and Two-Stage Decision Modeling of the Recreational Demand for Water." *Journal of Agricultural Economics Research* 42 (1990): 16-26.
- Hassan, R., and A. Hallam. "Stochastic Technology in a Programming Framework: A Generalized Mean-Variance Model." *Journal of Agricultural Economics* 41 (1990): 196-206.
- Babu, S. C., A. Hallam, and B. Rajasekaran. "Choice of Technology in Farming Systems Research Using Expert Systems — Case Studies from Zambia and India." *Computers and Electronics in Agriculture* 5 (1990): 3-15.

- Hallam, A., R. M. Hassan, and B. D'Silva. "Measuring Stochastic Technology for the Multiproduct Firm: The Irrigated Farms of Sudan." *Canadian Journal of Agricultural Economics* 37 (1989): 495-512.
- Babu, S. C., and A. Hallam. "Evaluating Agricultural Energy Policies Under Uncertainty — the Case of Electricity in South India." *Agricultural Economics* 3 (1989): 187-98.
- Babu, S. C., and A. Hallam. "Environmental Pollution From Pest Control, Integrated Pest Management and Pesticide Regulation Policies." *Journal of Environmental Management* 29 (1989): 377-89.
- Zimmerman, J., J. A. Hallam, and G. W. Beran. "The Cost of Eliminating Pseudorabies in Iowa Swine Herds." *Preventive Veterinary Medicine* 7 (1989): 187-99.
- Babu, S. C., and A. Hallam. "Socio-Economic Impacts of School Feeding Programs — Empirical Evidence from a South Indian Village." *Food Policy* (1989): 58-66.
- Pope, R. D., and A. Hallam. "Aggregation of Inputs under Risk." *American Journal of Agricultural Economics* 70 (1988): 826-30.
- Pope, R. D., and A. Hallam. "Testing Separability of Production Using Flexible Functional Form Profit Functions." *Economic Letters* 26 (1988): 265-70.
- Weimar, M. R., A. Hallam, and L. D. Trede. "Economies of Size, Tax Reform and Profitability of Alternative Midwestern Feedlot Systems." *Journal of the American Society of Farm Managers and Rural Appraisers* 52 (1988): 11-18.
- Pope, R. D., and A. Hallam. "Separability Testing in Production Economics." *American Journal of Agricultural Economics* 70 (1988): 142-52.
- Weimar, M. R., and A. Hallam. "Risk, Diversification, and Vegetables as an Alternative Crop for Midwestern Agriculture." *North Central Journal of Agricultural Economics* 10 (1988): 75-89.
- Pope, R. D., and A. Hallam. "A Confusion of Agricultural Economists? — A Professional Interest Survey and Essay." *American Journal of Agricultural Economics* 68 (1986): 572-94.

II. Professional Publications in Proceedings Issues of Journals

- Hallam, A. "Graduate Education in Economics After the COGEE Report." *American Journal of Agricultural Economics* 80 (August 1998): 616-20.
- Hallam, A. "A Brief Overview of Nonparametric Methods in Economics." *Northeastern Journal of Agricultural and Resource Economics* 21 (1992): 98-112.

- Hallam, A. "Climate Change, Agriculture, and the Environment: Some Economic Issues, Comments." International Association of Agricultural Economics, Tokyo, Japan, August 1991. In *Sustainable Agricultural Development: The Role of International Cooperation*. eds. G. H. Peters et al. Aldershot: Dartmouth Publishing Company (1992): 458-61.
- Hayenga, M., B. Buhr, J. Kliebenstein, and A. Hallam. "Socioeconomic Considerations: Transgenic Animal Research." Proceedings of the Transgenic Animal Research Workshop, Technology and Social Change Series No. 10, Iowa State University Research Foundation, 1989: 102-20.
- Hallam, A. "Evaluating Individual Welfare Gains: Is Theory a Cookbook for Empirical Analysis?" *American Journal of Agricultural Economics* 70 (May 1988): 442-47.
- Hallam, A., J. J. Zimmerman, and G. W. Beran. "A Benefit-Cost Analysis of the Proposed National Pseudorabies Eradication Program." *Proceedings, Ninety-first Annual Meeting of the United States Animal Health Association*, October 1987, pp. 417-27.
- Hallam, J. A., J. J. Zimmerman, and G. W. Beran. "A Preliminary Cost Benefit Analysis of the Proposed National Pseudorabies Eradication Program." *Official Proceedings, 1987 Annual Meeting of the Livestock Conservation Institute*, April 1987, pp. 84-96.
- Hallam, J. A. "Producer Costs of PRV Eradication in Marshall County, Iowa." *Official Proceedings, 1986 Annual Meeting of the Livestock Conservation Institute*, April 1986, pp. 69-74.
- Hallam, J. A. "Preliminary Analysis of Pilot Pseudorabies Eradication Project in Marshall County, Iowa." *Proceedings of Eighty-Ninth Annual Meeting of the United States Animal Health Association*, October 1985, pp. 324-30.
- Hallam, J. A. "Economic Analysis of Iowa Project." *Proceedings of 1985 Annual Meeting of the Livestock Conservation Institute*, April 1985, pp. 104-8.
- Just, R. E., and J. A. Hallam. "Functional Flexibility in Analysis of Commodity Price Stabilization." Proceedings of the *American Statistical Association*, 1978, pp. 177-93.

III. Books and Chapters in Books

- Babu, Suresh Chanda, Shailendra Gajanan, and J. Arne Hallam. *Nutrition Economics: Principles and Policy*. Academic Press, 2016
- Hallam, A. *Industrial Organization: Contemporary Theory and Practice* (Instructor's Manual; text by L. Pepall, D. J. Richards, and G. Norman). Cincinnati: South-Western College Publishing, 1999.
- Hallam, A. "The "New" Farm Management." In *Future Priorities and Agenda for Farm Management Research*, Robert O. Burton, Jr. and David L. Watt, editors. July 1994: 41-49. Proceedings of a Conference organized by North Central Regional Research Committee: "Farm and Financial Management" (NCR-13), May 16-18, 1993, St. Louis, Missouri.
- Hallam, A. "The Importance of Size and Structure in U.S. Agriculture." Chapter 1 in *Size, Structure, and the Changing Face of American Agriculture*, edited by Arne Hallam, Westview Press, 1993, pp. 1-13.
- Hallam, A. "Economies of Size: Theory, Measurement, and Related Issues." Chapter 7 in *Size, Structure, and the Changing Face of American Agriculture*, edited by Arne Hallam, Westview Press, 1993, pp. 150-203.
- Hallam, A. "Empirical Studies of Size, Structure, and Efficiency in Agriculture." Chapter 8 in *Size, Structure, and the Changing Face of American Agriculture*, edited by Arne Hallam, Westview Press, 1993, pp. 204-31.
- Atwood, Jay Dee, and Arne Hallam. "Farm Structure and Stewardship of the Environment." Chapter 21 in *Size, Structure, and the Changing Face of American Agriculture*, edited by Arne Hallam, Westview Press, 1993, pp. 561-86.
- Hallam, A., and S. Dibooglu. "Sustainable Food and Agricultural Policies: A U.S. Perspective." In *Japanese and American Agriculture: Tradition and Progress in Conflict*. eds. Tweeten et al. Boulder: Westview Publishing Company (1993): 97-116.
- Hallam, A. "Economic Accounting for Commodity Costs and Returns: How the Three Major Purposes of Farmer Planning, Economic Research, and Policy Analysis Should be Integrated." In *Costs and Returns for Agricultural Commodities: Advances in Concepts and Measurement*, edited by M. Ahearn and Uptal Vasavada, Westview Press, 1992: pp. 367-82.
- Kliebenstein, J. B., and J. Arne Hallam. "Economic Aspects of Disease Control in Animals." In *Biotechnology and Sustainable Agriculture: Policy Alternatives*, edited by June Fessenden MacDonald, National Agricultural Biotechnology Council Report 1, Ithaca, New York, 1989, pp. 157-70.

- Hallam, A., and R. G. Chambers. "Data Needs for Analyzing the Management and Efficiency of Rural Businesses." *New Directions in Data Systems and Their Uses*, Reuben C. Buse, Ames, IA: Iowa State University Press, 1992.
- Hassan, R. M., B. D'Silva, and A. Hallam. "Normative Supply Response Analysis under Production Uncertainty: The Irrigated Multi-crop Farming Sector of Sudan." In B. Greenshields and M. Bellamy, *Government Intervention in Agriculture: Cause and Effect*. Aldershot, UK: Gower Publishing, 1989.
- Babu, S. C., and A. Hallam. "Economics of Mungbean Production, Utilization and Trade." In S. Shanmuga Sumdaram and B. McLean (eds.) *Mungbean in Tropical Cropping Systems*, AVRDC, Taiwan (1989).
- Hallam, J. A., J. J. Zimmerman, and G. W. Beran. "The Cost of Eliminating Pseudorabies from Swine Herds in Iowa on an Area Basis." In *Economics of Animal Diseases*. E. C. Mather and J. B. Kaneene. East Lansing: Michigan State University, 1987: 277-91.
- Hallam, J. A., R. E. Just, and R. D. Pope. "Positive Economic Analysis and Risk Considerations in Agricultural Production." *New Directions in Econometric Modeling and Forecasting in U.S. Agriculture*. G. C. Rausser. NY: Elsevier North Holland Inc., 1982: 471-502.
- Just, R. E., and J. A. Hallam. "New Developments in Econometric Valuations of Price Stabilizing and Destabilizing Policies." *New Directions in Econometric Modeling and Forecasting in U.S. Agriculture*. G. C. Rausser. NY: Elsevier North Holland Inc., 1982: 179-202.

IV. Technical Reports

- Eidman, V. E., A. Hallam, M. Morehart, and K. Klonsky. *Commodity Costs and Returns Estimation Handbook: A Report of the AAEE Task Force on Commodity Costs and Returns*. Ames, IA, July 1998.
- Hansen, L. T., and A. Hallam. "Water Allocation Tradeoffs: Irrigation and Recreation." AER 634, USDA/ERS, June 1990.
- Babu, S. C., J. A. Hallam, and L. B. Fletcher. *Economics of Biotechnology: The Case of Biofertilizers in South Indian Agriculture*. Studies in Technology and Social Change #7, Technology and Social Change Program, Iowa State University, Ames, IA 50011, 1988.
- Hassan, R. M., B. D'Silva, and A. Hallam. "Supply Response Analysis under Production Uncertainty: The Irrigated Multi-crop Farming Systems of Sudan." In *Policy Analysis of Sudan's Irrigated Sector*, AFR-0000-P-AG-7004-00-USAID/USDA.

Hallam, J. A., J. J. Zimmerman, and G. W. Beran. "A Benefit-Cost Analysis of the Proposed National Pseudorabies Eradication Program." A report submitted to APHIS USDA, September 1987.

Hallam, J. A., J. J. Zimmerman, and G. W. Beran. "An Economic Analysis of the Pseudorabies Eradication Pilot Project in Marshall County Iowa." A report submitted to APHIS USDA, June 1986.

Hayenga, M. L., and A. Hallam. "The Causes and Policy Implications of the Recent Decline in the Iowa Livestock Production and Meat Processing Industries," prepared for the Legislature Extended Assistant Group and funded by the Iowa General Assembly. November 1984.

V. Publications in Other Mediums

Hallam, A., and J. J. Zimmerman. "Cost of Clinical PRV." *Hog Farm Management* 24 (August 1987): 36-38.

Hallam, J. A., and J. J. Zimmerman. "Cost of PRV Cleanup in the Iowa Project." *Hog Farm Management* 23 (September 1986): 12-14.

VI. Extension Publications

Hallam, A., and D. Loy, eds. "The Iowa Cattle Industry: Vision for the Future." Iowa State University Agriculture and Home Economics Experiment Station. Cooperative Extension Service, Iowa Cattlemen's Association, 1992.

Weimar, M., A. Hallam, D. Loy, and L. Trede. "Evaluating Risk in Custom Feeding Contracts." Cooperative Extension Service, Iowa State University, PM 1297-B. November 1987 (22 pages).

Hallam, A., and J. J. Zimmerman. "The Cost of Clinical Pseudorabies in Iowa Swine Herds." ISU Swine Research Reports - 1987, Cooperative Extension Service, Iowa State University, AS R-500, November 1987 (18 pages).

Weimar, M., M. Hayenga, A. Hallam, and P. Calkins. "Iowa's Expansion Potential in Fresh Vegetable Production." Iowa State University Cooperative Extension Service, M1248, September 1987 (62 pages).

Loy, D., M. Hayenga, A. Hallam, et al. "The Economic Environment for Beef Cattle Feeding in Iowa." Iowa State University Agriculture and Home Economics Experiment Station AS-573, May 1986 (34 pages).

VII. Presentations at Professional Meetings

- “Incentive Based Water Policies, ” presented at "Developing Partnerships for Sustainable Water Management and Agriculture in the Context of Climate and Global Change", at joint US-French Symposium, West Lafayette, Indiana, May 11-12, 2010.
- “Sustainable agricultural production systems for rural India,” presented at the International Conference on 21st Century Challenges to Sustainable Agri-food Systems, Bangalore, India, March 15-17, 2007.
- “Optimal Bidding Strategy for Financial Transmission Right.” Forthcoming presentation at the International Conference on Power System Technology, Chongqing, China, October 22-26, 2006.
- Hallam, A. “Economics of Nutritional and Health Security.” Presented at the International Conference on Biotechnology Approaches for Alleviating Malnutrition and Human Health, University of Agricultural Sciences, Bangalore, India, January 9-11, 2006.
- Orazem, P. F., A. Hallam, and E. M. Paterno. “Biased Technical Change and Earnings Inequality: A Reexamination of the Griliches Hypothesis.” Presented at annual meeting of Southern Regional Information Exchange group SRIEG-70, Gulf Shores, Alabama, March 17-20, 1997.
- Babu, S. C., A. Hallam, and B. Rajasekaran. “Agroforestry Systems, Soil Fertility and Household Food Security — A Model of Component Interactions and its Implications for Multi-Disciplinary Research Policy.” Contributed paper at the annual meeting of the American Agricultural Economics Association, Orlando Florida, August 1993.
- Hallam, A. “The New Farm Management.” *Invited* paper at conference entitled "The Future of Farm Management Research," St. Louis Missouri, May 1993.
- Hallam, A. “A Brief Overview of Nonparametric Methods in Economics.” *Invited* paper at the annual meeting of the American Agricultural Economics Association, Baltimore, Maryland, August 1992.
- Babu, S. C., A. Hallam, and S. R. Subramanian. “Resurgence of Pests in Crop-Pest-Predator Ecosystems and Optimal Switching between Pest Control Practices.” Contributed paper at the annual meeting of the American Agricultural Economics Association, Baltimore, Maryland, August 1992.
- Lei, L., and A. Hallam. “An Application of Conditional Heteroskedasticity Models to Cash and Futures Prices for Corn.” Contributed paper at the annual meeting of

the American Agricultural Economics Association, Baltimore, Maryland, August 1992.

- Hallam, A. "Firm Level Risk Models Using Expected Utility Maximization." Presented at annual meeting of Southern Regional Project S-232, San Antonio, Texas, March 17-20, 1991.
- Hallam, A. "Economic Accounting for Commodity Costs and Returns: How the Three Major Purposes of Farmer Planning, Economic Research, and Policy Analysis Should be Integrated." Presented at conference entitled Economic Accounting for Commodity Costs and Returns, Kansas City, Missouri, February 21, 1991.
- Hallam, A. "Operational Methods for Integrating Production and Finance in Farm Management." Presentation at the annual meeting of regional committee NCR 113, Minneapolis, Minnesota, October 10, 1990.
- Hallam, A. "Production Economics and the Future of Farm Management." Presentation at the annual meeting of the American Agricultural Economics Association, Vancouver, British Columbia, August 1990.
- Hassan, R., A. Hallam, and B. D'Silva. "A Temporary General Equilibrium Framework for the Analysis of Macroeconomic Influences on Agriculture in Sudan." Contributed paper at the annual meeting of the American Agricultural Economics Association, Vancouver, British Columbia, August 1990.
- Kim, T., D. Hayes, and A. Hallam. "Technology Adoption under Price Uncertainty." Contributed paper at the annual meeting of the American Agricultural Economics Association, Baton Rouge, Louisiana, August 1989.
- Hallam, A., and Robert Chambers. "Data Needs for Analyzing the Management and Efficiency of Rural Businesses." *Invited* paper at AAEA conference on Data Needs, Baton Rouge, Louisiana, August 1989.
- Hallam, A., and S. C. Babu. "Expert Systems Based on Stochastic Dominance: Simulations for Farm Irrigation Decisions in Agriculture." Paper presented at the Agricultural Application of Artificial Intelligence and Simulation Session of 1989 Eastern Multiconference, Society of Computer Simulation, Tampa, Florida, March 28-31, 1989.
- Hallam, A. "Empirical Studies of Size and Structure in Agriculture." Paper presented at the annual meeting of NC-181, Tucson, Arizona, January 7-10, 1989.
- Babu, S. C., A. Hallam, and B. Rajasekaran. "On Farm Recommendations in Farming Systems Research Using Expert Systems." Paper presented at the Eighth Annual Farming Systems Research/Extension Symposium, Fayetteville, Arkansas, October 9-12, 1988.

- Hallam, A. "NASS Series: Whither the Data." *Invited* paper at Symposium commemorating the 125th Anniversary of the National Agricultural Statistics Service held at the annual meeting of the American Agricultural Economics Association, Knoxville, Tennessee, August 1988.
- Babu, S. C., A. Hallam, and S. R. Subramanian. "Modeling Risk Attitudes of Dryland Farmers Towards Farm Inputs — The Case of Rural Credit." Paper presented at the International Conference on Dryland Farming (Sponsored by the World Bank, FAO and USDA), Amarillo, Texas, August 15-19, 1988.
- Hallam, A., and S. C. Babu. "Economics of Soil Fertility in Dryland Agriculture — A Dynamic Model." Paper presented at the International Conference on Dryland Farming (sponsored by the World Bank, FAO and USDA) August 15-19, 1988, Amarillo, Texas.
- Hassan, R. M., A. Hallam, and B. D'Silva. "Stochastic Technology in a Programming Framework: An Extension of the Two Moment Model of Uncertainty Decisions." Contributed paper at the annual meetings of AAEA, Knoxville, Tennessee, August 1988.
- Babu, S. C., and A. Hallam. "Environmental Pollution From Pest Control, IPM and Pesticide Regulation Policies." Contributed paper at the annual meetings of AAEA, Knoxville, Tennessee, August 1988.
- Hallam, A., and R. Pope. "Input Aggregation with Risk." Paper presented at the Western Agricultural Economics Association meeting, July, 1988.
- Hallam, A. "Modeling Farm Program Crop-Mix Decisions Under Risk." Discussion presented at annual meetings of S-180, Savannah, Georgia, April 1988.
- Hallam, A. "Economies of Size: Theory, Measurement and Related Issues." Paper for the annual meeting of NC 181, San Antonio, Texas, January 1988.
- Hansen, L. T., and J. A. Hallam. "A Methodology Providing a National Perspective on How Streamflow Depletions Affect Recreational Fishing." Contributed paper at the annual meetings of the American Agricultural Economics Association, East Lansing, Michigan, August 1987.
- Wanglian, C., and J. A. Hallam. "A Study on Productivity Changes on Individual Crops." Contributed paper at the annual meetings of the American Agricultural Economics Association, Las Vegas, Nevada, August 1986.
- Hallam, A., and R. D. Pope. "The Interests of Agricultural Economists: How the Agricultural Economics Profession Views the World." *Invited* paper at a

symposium of the annual meetings of the American Agricultural Economics Association, August 4-7, 1985.

Hallam, J. A. "Economic Analysis of Disease Eradication Programs." *Invited* presentation at the annual meetings of the Livestock Conservation Institute, Des Moines, Iowa, April 10-12, 1984.

Hallam, J. A., P. Rosa, and L. Robison. "The Use of Linear Programming to Find Optimal Cropping Solutions That Meet Minimum Nutritional Requirements." *Invited* paper presented at the annual meeting of the American Agronomy Association, Anaheim, California, November 1982.

Hallam, J. Arne, and R. E. Just. "Positive Analysis of Risk in Agricultural Production." *Invited* paper presented at Western Agricultural Economics Association Meetings, Las Cruces, New Mexico, 1980.

Just, R. E., and J. A. Hallam. "New Developments in Econometric Valuations of Price Stabilization Policy." *Invited* paper for the ESCS/USDA Symposium on New Directions in Econometric Modeling and Forecasting in U. S. Agriculture, Washington, DC, June 14 and 15, 1979.

VIII. Book Reviews

"The Competitive Firm's Response to Risk." L. J. Robison and P. J. Barry, *American Journal of Agricultural Economics* 69 (November 1987).