Annual Research Activities, 2000

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March 2001
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ABSTRACT

The research activities described in this document were supported by the Utah State University Economics Research Institute (ERI) in 2000. The ERI was founded in 1965 to support cooperative research to assist in the solution of local, regional, and national economic problems. Base support for the ERI has been provided by the Utah Agricultural Experiment Station. Project funding has been secured from state, federal, and international agencies and organizations. Boldface type is used to identify Utah State University Economics Department faculty and staff.
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Refereed Journal Publications


Batabyal, AA. A theoretical inquiry into aspects of the structure and the management of ecological-economic systems. Stochastic Environmental Research and Risk Assessment (forthcoming).


Batabyal, AA. On the likelihood of finding the right partner in an arranged marriage. Journal of Socio-Economics (forthcoming).


**Books, Monographs, Book Chapters**


Fawson, C, R Herzberg, and M Looney. 2000. Health Care in Rural Utah: Diagnosis and Treatment. Sutherland Institute, Focus on Utah Policy Monograph Series. 64 p.


**Project Reports and Miscellaneous Technical Publications**


**Economic Research Institute Study Papers**


ERI 00-02 AA Batabyal. Introduction and overview of the economics of international environmental agreements. Utah State University Economic Research Institute 20 p.


ERI 00-06 DL Dickinson. The carrot vs. the stick in work team motivation. Utah State University Economic Research Institute 37 p.


Snyder, DL. A business plan for the Caine Dairy Center: Final report. Utah Agricultural Experiment Station, October 2000.


ERI 00-20 K Huang, Z Liu, and L Phaneuf. Staggered contracts, intermediate goods and the dynamic effects of monetary shocks on output, inflation and real wages. 28 p.

ERI 00-21 K Huang and Z Liu. Implementing Arrow-Debreu equilibria by trading infinitely lived securities. Utah State University Economic Research Institute 31 p.


ERI 00-29 DM Lee and AA Batabyal. Dynamic environmental policy in developing countries with a dual economy. Utah State University Economic Research Institute, 30 p.


ERI 00-31 LD Hunnicutt. Market power in the beef packing industry: Is it time for a new approach? Utah State University Economic Research Institute, 18 p.

ERI 00-32 LD Hunnicutt. One boss or many? Decision making and coordination in the multi-plant firm. Utah State University Economic Research Institute, 24 p.

ERI 00-33 EL Echeverri-Carroll and LD Hunnicutt. Speed of innovation in high technology firms: Geographic and organizational strategies. Utah State University Economic Research Institute, 40 p.

ERI 00-34 LD Hunnicutt and DM Aadland. Inventory dynamics: Market power measures when inputs are capital goods. Utah State University Economic Research Institute, 25 p.

ERI 00-35 LD Hunnicutt. Mixups in the warehouse centralization and decentralization in the multi-plant firm. Utah State University Economic Research Institute, 26 p.

ERI 00-36 LD Hunnicutt and LD Israelsen. Incentives to advertise: Too strong, too weak, or just right? Utah State University Economic Research Institute, 8 p.

**Applied Research Publications and Magazine Articles**


Bowles, TJ and EB Godfrey. Selling the farm: Be careful with the principal residence exclusion. *Western Farmer-Stockman* 120(9, July 2000): 34.


Godfrey, EB. Low milk prices—how long will they last? *Progressive Dairyman* 14(11, 2000): 44.


Godfrey, EB. Some perspectives in increased milk production over the past 12 months. *USU Dairy Newsletter* 23(6, 2000).


Godfrey, EB and A Young. Milk payment based on true protein: Why the change was made. *USU Dairy Newsletter* 23(4, July 2000): 3-4.


**Presentations at Regional, National, and International Conferences and Symposia**


Glover, TF. Consumer requirements, price signals and contracts in the food system. Tilburg Conference on Trade Agreements, GATT, and WTO Directions, Tilburg University, Netherlands, April 2000.

Glover, TF. Losing markets under rules of origin in free trade agreements. Tilburg Conference on Trade Agreements, GATT, and WTO Directions, Tilburg University, Netherlands, April 2000.


Huang, K. Implementing Arrow-Debreu equilibrium by trading infinitely-lived securities. 8th World Congress of the Econometric Society, Seattle, WA, August 2000.

Huang, K. Vertical international trade as a monetary transmission mechanism in an open economy. 8th World Congress of the Econometric Society, Seattle, WA, August 2000.

Huang, K. Vertical international trade as a monetary transmission mechanism in an open economy. Midwest Macroeconomics Conference, Iowa City, IA, April 2000.


Ratliff, R and LD Israelsen. Motivation, costs, and management strategies for six basic types of relationships. QUIS7. 7th International Research Symposium on Service Quality, Karlstad, Sweden, June 2000.


Invited Seminars


Cridde, KR. Effects of climate change on the Eastern Bering Sea fishery for walleye pollock. Pacific Scientific Research Fisheries Center (TINRO), Vladivostok, Russia, December 2000.

Cridde, KR. Legal, social, and economic aspects of enclosing the US EEZ fisheries. Pacific Scientific Research Fisheries Center (TINRO), Vladivostok, Russia, December 2000.


**Department Seminars**


**Other Scholarly Presentations**


Bailey, D. Cattle and beef outlook. Box Elder County, March 2000.

Fawson, C and R Herzberg. Health care in rural Utah: Diagnosis and treatment. The Sutherland Institute, Governing Board Presentation, August 2000.

Huang, K. Vertical international trade as a monetary transmission mechanism in an open economy. University of California—Santa Barbara, Santa Barbara, CA, October 2000.


Q Xu, Doctoral candidate, Utah State University. Three essays in environmental economics. April 21, 2000.


Bailey, D. Cattle and beef outlook. Utah Agricultural Bankers, Salt Lake City, Utah, February 2000.


Batabyal, AA, B. Biswas, and EB Godfrey. On the choice between the stocking rate and time in range management. Rangeland Resources Department, Utah State University, February 2000.


Batabyal, AA. Prices versus quantities in environmental economics. Economics Department, Rochester Institute of Technology, March 2000.


Fawson, C. Steven Landsberg's Fair Play, USU Economics Department No Free Lunch Club—Brown Bag seminar


Snyder, DL. Feed grains and forage outlook. Box Elder County, March 2000.

Snyder, DL. Feed grains and forage outlook. Utah Agricultural Bankers, Salt Lake City, Utah, February 2000.


Ward, RA. Is agriculture in Utah as bleak as it sounds? Box Elder County, March 2000.

Ward, RA. Is agriculture in Utah as bleak as it sounds? Utah Agricultural Bankers, Salt Lake City, Utah, February 2000.


Utah Agricultural Experiment Station Projects

Aadland, DM and D Bailey. Examining the dynamics of cattle supply and demand. Utah Agricultural Experiment Station project UTA-016. 7/1/99-6/30/04.

Bailey, D. Enhancing the global competitiveness of US red meat. Utah Agriculture Experiment Station project UTA-085 (W-177). 10/1/92-9/30/02.

Bailey, D and DL Snyder. Identifying markets and market niches for Utah agricultural products. Utah Agriculture Experiment Station project UTA-023. 7/1/96-6/30/01.


Biswas, B. Effects of the North American Free Trade Agreement (NAFTA) on US and Utah agriculture—an assessment. Utah Agricultural Experiment Station Project UTA-091. 7/1/94-6/30/05.

Criddle, KR. Economics Research Institute. Utah Agricultural Experiment Station project UTA-686. 7/1/92-6/30/02

Criddle, KR. Property rights-based management of natural resources: Impacts on industry. Utah Agricultural Experiment Station project UTA-025. 1/1/00-6/30/01.

Fawson, C. Rural economic development: Alternatives in the new competitive environment. Utah Agriculture Experiment Station project UTA-074 (NE-162). 10/1/92-9/30/02.

Fullerton, HH. Economics of water conservation for municipal and residential irrigation. Utah Agricultural Experiment Station project UTA-026. 7/1/95-6/30/00.

Glover, TF. Strategic decision processes, competition and alternative marketing strategies. Utah Agricultural Experiment Station project UTA-009. 7/1/98-6/30/03.

Godfrey, EB. Rangelands resource economics and policy. WCC-055. 10/1/92-9/30/01.

Godfrey, EB. Rural communities and public lands in the West: Impacts and alternatives. Utah Agriculture Experiment Station project UTA-007 (W-192). 10/1/96-9/30/01.
Godfrey, EB. The economics of intensive grazing on private lands in Utah. Utah Agriculture Experiment Station project UTA-008. 7/1/97-6/30/02.

Hunnicutt, L. Communication networks and decision making structures in agricultural organizations. Utah Agriculture Experiment Station project UTA-011. 9/15/98-6/30/03.

Keith, JE. New perspectives on the study of jointly determined ecological-economic systems in the American West. Utah Agriculture Experiment Station UTA-015. 7/1/00-6/30/05.

Keith, JE. Benefits and costs of resource policies affecting public and private land. Utah Agriculture Experiment Station project UTA-052 (W-133). 10/1/92-9/30/02.

**Other Sponsored Research Projects and Programs**


Bailey, D. A. US-EU multilateral exchange and training program toward BS and MS degrees in agribusiness and agricultural economics. Funded as a sub-grant with Arizona State University from the US Department of Education. 9/10/97-8/31/01.


Criddle, KR. Pool Size versus Precision of Prohibited Species Bycatch Estimates for Pooled and Individual Bycatch Quotas. Alaska Sea Grant College Program, US DOC National Oceanic and Atmospheric Administration, 2/1/00-1/31/02.

Dickinson, DL. Work on arbitration experiments and dispute resolution. Utah State University New Faculty Research Grant. 2000.


Godfrey, EB. Risk Management Education in Utah. USDA, RMA. 7/00-9/1/00.

Hunnicutt, L, Q Weninger, and D Bailey. A new direction for assessing market power in the beef packing industry. USDA, GIPSA. 1/1/00-6/30/01.

Hunnicutt, L. The effect of membership characteristics on cooperative objectives. USU New Faculty Research Grant. 7/1/00-6/30/01.


Snyder, DL. Economic impact of rural health facilities. Utah Department of Health. 11/00-02/01.


Snyder, DL. Identification and development of plants. USDA, ARS. 1999-2000.


Ward, RA and EB Godfrey. Examining the economics of different turkey production decisions in Sanpete County, Utah. Moroni Feed Company. 1/00-10/01.

**Doctoral Student Research Supported by ERI**


Keith, JE. Atemporal and intertemporal use and management of natural resources in the Intermountain West. Utah Agriculture Experiment Station project UTA-024. 7/1/96-6/30/05.

Lewis, WC. State-Federal income taxes: Stability and effect on economic growth and farm saving. Utah Agriculture Experiment Station project UTA-012. 7/1/99-6/30/04.

Lyon, KS. Global warming, forest carbon flux, and timber harvests. Utah Agriculture Experiment Station project UTA-010. 7/1/98-6/30/03.

Snyder, DL. Environmental and economic impacts of nutrient management on dairy forage systems. Utah Agriculture Experiment Station project UTA-013 (NE-132). 10/1/99-9/30/02.

Masters Student Research Supported by ERI


Puripunpinyoo, Anucha. Plan C. Directed by C Fawson with LD Israelsen, HH Fullerton. Candidate for MS—Economics.


Singh, Prashant. Plan C. Directed by JJ Johnson with B Biswas, TSE Hilton Candidate for MS—BISE.


Yang, Jing. Plan C. Directed by D Paper with B Biswas, JJ Johnson. Candidate for MS—BISE.