

# CURRICULUM VITAE

University of Idaho

**NAME:** McIntosh, Christopher S.

**DATE:** December 11, 2010

**RANK OR TITLE:** Professor

**DEPARTMENT:** Agricultural Economics and Rural Sociology

**OFFICE LOCATION AND CAMPUS ZIP:**

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**DATE OF FIRST EMPLOYMENT AT UI:** August 16, 1999

**DATE OF TENURE:** March 2003 (Idaho)

**DATE OF PRESENT RANK OR TITLE:** July 2004

## EDUCATION BEYOND HIGH SCHOOL:

### Degrees:

Ph.D., Texas A&M University, Agricultural Economics, December 1987

M.S., University of Idaho, Agricultural Economics, May 1981

B.S., University of Idaho, Agricultural Economics, May 1978

## EXPERIENCE:

### Teaching, Extension and Research Appointments:

2011- present, Adjunct Professor of Economic Sciences, Washington State University, Pullman, WA

2004-present, Professor, University of Idaho, Moscow, Idaho

1999-2004, Associate Professor, University of Idaho, Idaho Falls, Idaho

1993-99, Associate Professor, University of Georgia, Athens, Georgia

1988-93, Assistant Professor, University of Georgia, Athens, Georgia

1987, Research Associate, Texas A&M University, College Station, Texas

1983-87, Lecturer, Texas A&M University, College Station, Texas

1981-83, Research Associate, University of Idaho, Moscow, Idaho

1979-81, Research Assistant, University of Idaho, Moscow, Idaho

## TEACHING ACCOMPLISHMENTS:

### Courses Taught:

#### Undergraduate:

AGEC 321 Computer Applications in Ag. (Texas A&M University)

AAE 303 Computer Applications in Agribusiness (University of Georgia)

AAE 301 Farm Management (UGA)

AAE 340 Agricultural Policy (UGA)

AAE 404 Quantitative Techniques for Agribusiness Management (UGA)

AgEc 356 Agricultural Programs and Policies (University of Idaho)

AgEc 453 Agricultural Price Analysis (University of Idaho)

AgEc 410 Experiencing the Idaho Agricultural Policy Making Process (University of Idaho)

AgEc 301 Agricultural Economics 1 (University of Idaho)

AgEc 302 Agricultural Economics 2 (University of Idaho)

EconS 450 Advanced Farm Management (Washington State University)

#### Graduate:

AEC 661 Applied Econometrics (UGA)

AEC 808 Production Economics, Theory and Applications (UGA)

AEC 890 Time Series Econometrics Workshop (UGA)  
AgEc 509 Mathematical Economics (University of Idaho)  
AgEc 528 Production Economics (University of Idaho)  
AgEc 525 Econometrics (University of Idaho)

**Students Advised:**

Graduate advisory committees:

Major Professor:

Sarad Nepal, M.S. 2011  
Ruby Stroschein, M.S. 2008  
Robert Hale, M.S. 2007  
Kalamani Muthusamy, M.S. 2007  
Arun Adhikari, M.S. 2006  
Corey Dixon, M.S. 2005  
Mark VanElderen, M.S. 2005  
Penny Myers, M.S. 2005  
Yoshi Lord, M.S., 1999  
Chandy Karnum, M.S., 1995  
Scott Parrott, M.S., 1994  
Chia-lin Chen, Ph.D., 1994  
L. Robert Barber, M.S., 1991

Member advisory committee:

Greg Blazer, Ph.D. (in progress)  
Kim Castelin, 20110  
Xiaozhe Shen, 2010  
Brian Jemmett, M.S. 2009  
Jude Bayham, M.S. 2009  
Melinda Bateman M.S. 2008  
Dennis Atkinson, M.S. 2005  
Matt Hornbacher M.S. 2003  
Jeff Price, Ph.D., 1999  
Bidisha Rudra, Ph.D., 1999  
Krishna Paudel, Ph.D., 1999  
Xingang Mu, Ph.D., 1998  
Seunghun Joh, Ph.D., 1998  
Bernard Armah, Ph.D., 1998  
Paul Stavriotis, M.S., 1996  
Randall Kinoshita, Ph.D., 1996  
Nicholas Ahouissoussi, Ph.D., 1995  
Jamal Othman, Ph.D., 1994  
Henglun Sun, Ph.D., 1994  
Hugh McDonald, M.S., 1993  
Douglas Carter, Ph.D., 1993  
Nicholas Ahouissoussi, M.S., 1991  
Pei-Chi Peggy Chen, Ph.D., 1991  
Young Hyo Ha, Ph.D., 1991  
Jeff Teasley, M.S., 1991  
Chris Jarret, M.S., 1990  
David Purcell, M.S., 1990  
Marshal Lamb, M.S., 1990  
Jamal Othman, M.S., 1990  
Hla Kyi, M.S., 1990  
Michelle Hou, Ph.D., 1989  
Hwan-Tran Huang, Ph.D., 1989  
Jasmin Mustafa, Ph.D., 1988  
Jackie Langston, Ph.D., 1988

**Theses Directed:**

- Sarad Nepal, M.S. "Economic Implications of Manipulating Physiological Seed Age of Idaho Ranger Russet and Russet Burbank Potatoes. August 2011
- Kalamani Muthusamy. M.S. "Impact of a Marketing Cooperative on Price Behavior in the Idaho Potato Industry." Agricultural Economics and Rural Sociology, University of Idaho, August 2007 – *honorable mention WAEA MS thesis award*
- Arun Adhikari. M.S. "Economic Impacts of the Green Industry in Idaho" Department of Agricultural Economics and Rural Sociology, University of Idaho, December 2006.
- Penny Myers. M.S. "Optimal Rotation of Idaho Potatoes Under Risk" Department of Agricultural Economics and Rural Sociology, University of Idaho, May 2005.
- Yoshie Sato Lord. M.S. "Productivity and Efficiency in the Georgia Public Education System" Department of Agricultural and Applied Economics, University of Georgia, June 1999.
- Chandrashakar Karnum, M.S. "Economic Analysis of U.S. Broiler Industry Structure: A Structural Bayesian Vector Autoregression Approach" Department of Agricultural and Applied Economics, University of Georgia, 1996.
- Chie-Lin Chen. Ph.D. "Commodity Program Slippage Measurement: The Case of Upland Cotton in Georgia" Dissertation, Department of Agricultural and Applied Economics, University of Georgia, 1994.
- Scott Douglas Parrott. M.S. "The Effects of Nonconstant Price Expectations and Government Programs on Acreage Response Over Time." Department of Agricultural and Applied Economics, University of Georgia, 1994.
- Leroy Robert Barber, Jr. M.S. "Whole Farm Planning With Risk Considerations: A Farm Level Approach." Department of Agricultural Economics, University of Georgia, 1991.

**Non-thesis Research Directed:**

- Hale, Robert . "Developing a Production Economics Curriculum for High School Vocational Agriculture Classes." Non-thesis report 2007.
- Van Elderen, Mark. "The Effects of the Dairy Industry on Southern Idaho Cropping Patterns." Non-thesis report. 2005.
- Dixon, Corey "U.S. Production of Canola Seed for Canadian Commercial Plantings." Non-thesis report 20005.

**Courses Developed:**

## Undergraduate:

- AEC 303, Computer Applications in Agribusiness (UGA)
- AEC 404, Quantitative Techniques for Agribusiness Management (UGA)
- AgEc 301, Agricultural Economics I (University of Idaho)
- AgEc 302, Agricultural Economics II (University of Idaho)

## Graduate:

- AEC 661 Applied Econometrics (UGA)

**Honors and Awards (Teaching):**

Western Agricultural Economics Association, Undergraduate Teaching Award with more than Ten Years Experience: 2010  
 R.M. Wade Excellence in Teaching Award, University of Idaho CALS, 2009.  
 Nominated for the University of Idaho CALS outstanding advisor award, 2005. 2008  
 Nominated for the University of Idaho CALS RM Wade Teaching Award, 2003, 2006  
 Recognized for Superior Teaching at the UGA Spring Honors Day Convocation, 1999  
 Recognized for Superior Teaching at the UGA Annual Faculty Recognition Banquet, 1999  
 Outstanding Teaching Award, awarded by the Agricultural and Environmental Economics Undergraduate Club, 1999  
 Gamma Sigma Delta Outstanding Achievement Award for Teaching, 1998  
 Recognized for Superior Teaching at the UGA Spring Honors Day Convocation, 1997  
 Recognized for Superior Teaching at the UGA Annual Faculty Recognition Banquet, 1997  
 The Agricultural Alumni Association of The University of Georgia, Outstanding Teaching Award, 1996

**SCHOLARSHIP ACCOMPLISHMENTS:****Refereed Publications:****Journals** (\*written with Graduate Student):

- Bohl, W. H., J. Stark and Christopher S. McIntosh. 2011. "Potato Seed Piece Size, Spacing, and Seeding Rate Effects on Yield, Quality and Economic Return" *American Journal of Potato Research*, accepted September 2011.
- \*Toevs, Elliott A. Toevs, Joseph F. Guenther, Aaron J. Johnson, and Christopher S. McIntosh. 2011. "Seed Variety: an Indicator for GM Potato Identity Preservation" *American Journal of Potato Research*, accepted September 2011.
- Cooke, Steven C., and Christopher S. McIntosh. 2011. "Forecasting General Fund Revenue: An Analysis of Idaho FY1998 to FY2011". *Public Budgeting and Finance*. Accepted July, 2011.
- \*Toevs, Elliott A. Toevs, Joseph F. Guenther, Aaron J. Johnson, Christopher S. McIntosh and Michael K. Thornton. 2011. An industry perspective of all-native and transgenic potatoes. *AgBioForum*, 14(1):14-19.
- \*Toevs, Elliott A., Joseph F. Guenther, Aaron J. Johnson, Christopher S. McIntosh and Michael K. Thornton. 2011. "Identity preservation systems for genetically modified potatoes". *American Journal of Potato Research*, accepted March 2011.
- Whitworth, J. L., P. B. Hamm, and Christopher S. McIntosh. 2010. Effect of Potato Virus Y on Yield of a Clonal Selection of Russet Norkotah. *American Journal of Potato Research* 87:310-314.
- Saito, Y., and Christopher S. McIntosh. 2010. "The Economic Value of Auditing and Its Effectiveness in Public School Operations" *Contemporary Accounting Research*, Summer 2010: 639-667
- \*Bolotova, Y., K. Muthusamy, Christopher S. McIntosh, and P.E. Patterson. 2010. Is Stabilization of Potato Price and Supply Effective? Empirical Evidence from Idaho. *Agribusiness: An International Journal* 26:2, 177-201.
- Bolotova, Y., A.V. Karasev, and Christopher S. McIntosh, 2009. Statistical Analysis of the Laboratory Methods Used to Detect Potato Virus Y" *American Journal of Potato Research*. 86:4, 265-271.

- \*Bolotova, Y., K. Muthusamy, Christopher S. McIntosh, and P.E. Patterson. 2008. The Impact of Coordination of Production and Marketing Strategies on Price Behavior: Evidence from Idaho Potato Industry. *International Food and Agribusiness Management Review* 11,3:1-30.
- \*Muthusamy, K., Christopher S. McIntosh, Y. Bolotova and P. E. Patterson. 2008. "Price Volatility of Idaho Fresh Potatoes: 1987 - 2007". *American Journal of Potato Research* 85,6:438-444.
- \*Myers, P., Christopher S. McIntosh, P.E. Patterson, R.G Taylor, and B.G. Hopkins. 2008. "Optimal Crop Rotations of Idaho Potatoes". *American Journal of Potato Research* 85,3:183-197.
- Whitworth, J. L., P. Nolte, Christopher S. McIntosh, and R. Davidson. 2005 Effect of Potato virus Y on Yield of Three Potato Cultivars Grown Under Different Nitrogen Levels. *Plant Disease* 90,1:73-76
- Paudel, Krishna P. and Christopher S. McIntosh, 2005. Broiler Industry and Broiler Litter-Related Problems in the Southeastern USA. *Waste Management* 25,10:1083-1088.
- Paudel, Krishna P. and Christopher S. McIntosh, 2005. Numeraire Choice in Agricultural Supply Analysis. *Applied Economics*, 37:1209-1214.
- Nolte, P., J.L. Whitworth, M.K. Thornton, and Christopher S. McIntosh, 2004. Effect of Seed-borne Potato Virus Y on Performance of Russet Burbank, Russet Norkotah and Shepody Potatoes. *Plant Disease*. 88,3:248-52.
- Wysocki, A.F., G.F. Fairchild, R.N. Weldon, A. Biere, J. Fulton, and Christopher S. McIntosh, 2003. "Agricultural, Agribusiness and International Marketing Courses in Undergraduate Curricula: Issues and Ideas. *Journal of Agribusiness*, (Fall):197-212.
- \*Saito, Y., and Christopher S. McIntosh, 2003. "Monitoring Inefficiency in Public Education" *Journal of Agricultural and Applied Economics*, 35,3(December 2003):611-623.
- Nolte, P., M. Bertram, M. Bateman, and Christopher S. McIntosh. 2003. "Seed Decay, Rhizoctonia and Performance of Cut and Treated Seed vs. Untreated Whole Seed of Russet Burbank Potatoes" *American Journal of Potato Research*. 80:1(January-February) 1-8.
- Dorfman, J.H. and Christopher S. McIntosh. 2001. "Imposing Inequality Restrictions: Efficiency Gains from Economic Theory." *Economics Letters*, 71:2 (April) 205-209.
- \*McIntosh, Christopher S., T.A. Park, and Chandrashakar Karnum. 2000. "The Potential Impact of Nutrient Management Legislation on the U.S. Broiler Industry." *Journal of Environmental Management*, (2000) 60, 145-154.
- \*Tribble, C., Christopher S. McIntosh, and M.E. Wetzstein. 1999. "Georgia Cotton Acreage Response to the Boll Weevil Eradication Program" *Journal of Agricultural and Applied Economics*, 31:3(1999): 499-506.
- \*Houston, J.E., Christopher S. McIntosh, P.A. Stavriotis, and S.C. Turner. 1999. "Leading Indicators for Regional Cotton Acreage Response: Structural and Time Series Modeling Results" *Journal of Agricultural and Applied Economics*, 31:3(1999): 507-517.
- Dorfman, J.H. and Christopher S. McIntosh. 1997. "Economic Criteria for Evaluating Commodity Price Forecasts" *Journal of Agricultural and Applied Economics*, 29-2(1997): 337-345.
- \*Parrott, Scott D. and Christopher S. McIntosh. 1996. "Nonconstant Price Expectations and Acreage Response: The Case of Cotton Production in Georgia" *Journal of Agricultural and Applied Economics*, 28-1(1996): 203-210.

- \*Ahouissoussi, N., Christopher S. McIntosh and M.E. Wetzstein. 1995. "Rational Expectations Estimation of Georgia Soybean Acreage Response" *Journal of Agricultural and Applied Economics*, 27-2(1995): 500-509.
- \*Chen, Pie-Chi, Christopher S. McIntosh and James E. Epperson. 1994. "The Effect of a Pesticide Tax on Agricultural Production and Profits" *The Journal of Agribusiness*, 12-2(1994): 125-138.
- Kriesel W., Christopher S. McIntosh and William P. Miller. 1994. "The Potential for Beneficial Re-Use of Sewage Sludge and Coal Combustion By-Products" *Journal of Environmental Management*, 42(1994): 299-315.
- McIntosh, Christopher S. and C. Richard Shumway. 1993. "Evaluating Price Expectations Mechanisms for Multiproduct Supply Response" *Agricultural Economics*, 10(1994)1:11
- \*Othman, J., Jack E. Houston, and Christopher S. McIntosh. 1993. "Health Issue Commodity Promotion: Impacts on U.S. Edible Vegetable Oil Demand" *Food Policy*, 18:214-23
- \*McIntosh, Christopher S. and Albert A. Williams. 1992. "Multiproduct Production Choices and Pesticide Regulation in Georgia" *Southern Journal of Agricultural Economics*, 23:135-44.
- McIntosh, Christopher S. and Jeffrey H. Dorfman. 1992. "Qualitative Forecast Evaluation: A Comparison of Two Performance Measures," *American Journal of Agricultural Economics*, 74:209-14.
- McIntosh, Christopher S. and C. Richard Shumway. 1991. "Multiproduct Production Choices and Policy Response," *Western Journal of Agricultural Economics*, 16:291-303.
- Dorfman, Jeffrey H. and Christopher S. McIntosh. 1991. "Results of a Price Forecasting Competition: Reply," *American Journal of Agricultural Economics*, 73:1277-78. (Invited paper.)
- McIntosh, Christopher S. and Jeffrey H. Dorfman. 1990. "A Price Forecasting Competition: Introduction," *American Journal of Agricultural Economics*, 72:786-87. (Invited paper.)
- Dorfman, Jeffrey H. and Christopher S. McIntosh. 1990. "Results of A Price Forecasting Competition," *American Journal of Agricultural Economics*, 72:804-808. (Invited paper.)
- McIntosh, Christopher S. 1990. "Integrating Microcomputers Into the Agricultural Economics Curriculum," *Collegiate Microcomputer*, 8:220-224.
- McIntosh, Christopher S., Kamil H. Shideed, and Jeffrey H. Dorfman. 1990. "Composite Forecasting and Evaluation: An Application to U.S. Hog Markets," *Southeast Decision Science Institute*, 20: 72-78.
- McIntosh, Christopher S., and David A. Bessler. 1989. "On the Outperformance Method of Composite Forecasting," *Southeast Decision Science Institute*. 19: 85-91.
- McIntosh, Christopher S. and Kamil H. Shideed. 1989. "The Effect Government Programs on Acreage Response Over Time: The Case of Corn Production in Iowa," *Western Journal of Agricultural Economics*, 14:38-44.
- McIntosh, Christopher S., and David A. Bessler. 1988. "Forecasting Agricultural Prices Using a Bayesian Composite Approach," *Southern Journal of Agricultural Economics*, 20:73-80.
- McIntosh, Christopher S., S.M. Smith and R.V. Withers. 1984. "Energy Balance of On-farm Production and Extraction of Vegetable Oil for Fuel in the United States' Inland Northwest," *Energy in Agriculture*, 3:155-166.

**Honors and Awards (Research and Professional):**

Best Poster Award, third Place. 2008. Poster chosen from over 160 presented at the American Applied Economics Association Annual Meeting, Orlando, FL. July 2008.

Best Paper Award. 2008 International Food and Agribusiness Management Association Symposium, Monterey California, June 2008. Chosen from 120 papers submitted to the symposium. The award considered both the quality of the paper, and the quality of the presentation.

Major Advisor for the Honorable Mention, Best MS Thesis, Western Agricultural Economics Association, June 2008.

Distinguished Alumni, University of Idaho, College of Agricultural and Life Sciences, May 2008. Presented in recognition of outstanding commitment and service to the University of Idaho College of Agricultural and Life Sciences.

Research Recognized by the *International Journal of Forecasting*. The McIntosh and Dorfman price forecasting competition was selected for a special section in the *International Journal of Forecasting*. This international recognition of high-quality work is given to what the editors find to be some of “the more interesting papers published recently with a bearing on forecasting.” *International Journal of Forecasting*, 8:2(1992):280-82.

Outstanding Achievement Award, presented by the Southeast Region Decision Science Institute for the Best Theoretical/Empirical Research Paper: “On the Outperformance Method of Composite Forecasting”, awarded February 23, 1989.

Elected member of the Sigma Xi Scientific Research Society, 1989  
Chosen for membership in Phi Kappa Phi Honor Society, 1988

**Journal Abstracts** (\*written with Graduate Student):

Bohl, W.H., J. Stark, and C.S. McIntosh. 2008. Effects of Varying Seed Piece Size and Spacing on Yield and Size Distribution of Three Potato Cultivars. *Am. J. Pot. Res.* 85: 4.

Stark, J., C. S. McIntosh and S. Love. 2007. Evaluation of N uptake analysis as a tool for determining potato N status. Western Nutrient Management Conference Proceedings 7:45-50.

Whitworth, J, P. Nolte, C.S. McIntosh and R.D. Davidson. “Effect of Potato Virus Y on yield of potato grown under different nitrogen levels” *American Journal of Potato Research* 82:96.

Nolte, P., J. Whitworth, M.K. Thornton and C.S. McIntosh. 2002. The Effect of Seed-Borne PVY on Yield in Three Potato Varieties. Abstracts for the 15<sup>th</sup> Triennial Conference of the European Association for Potato Research, July 14-19, Hamburg, Germany.

\*Bidisha Rudra, A. Keeler, and C.S. McIntosh. “A Study on Substitution and Sequencing Effects Using a Checkoff Mechanism,” *American Journal of Agricultural Economics*, 81:5(1999):1284.

\*Paudel, K., and C.S. McIntosh. “Numeraire Choice in Modeling Agricultural Supply” *American Journal of Agricultural Economics* 80:5 (1998).

Dorfman, J., and C.S. McIntosh. “Putting the Econ into Econometrics” *American Journal of Agricultural Economics* 80:5 (1998).

\*Stavriotis, P., J. Houston, C.S. McIntosh, and S. Turner. “Leading Indicators for Regional Cotton Response: Structural and Time Series Modeling Results” *Journal of Agricultural and Applied Economics*, 30 (1998):233.

\*Tribble, C.M., C.S. McIntosh, and M. Wetzstein. “Georgia Cotton Acreage Response to the Boll Weevil Eradication Program” *Journal of Agricultural and Applied Economics*, 30 (1998):233.

- \*McIntosh, C.S., T. Park, and C. Karnum. 1997. "The Potential Impacts of Nutrient Management Legislation on the U.S. Broiler Industry." *Journal of Agricultural and Resource Economics* 22:401.
- \*Chen, Chia-lin, C.S. McIntosh, M.W. Wetzstein, and F.C. White. 1996. "The Cost of Slippage: The Case of Upland Cotton in Georgia." *American Journal of Agricultural Economics*, 78:1394.
- \*Chen, Chia-lin, C.S. McIntosh, M.W. Wetzstein, and F.C. White. 1995. "Commodity Program Slippage Measurement: The Case of Upland Cotton in Georgia." *Journal of Agricultural and Applied Economics*, 27:315.
- \*Othman, Jamal, B., C.S. McIntosh and J.E. Houston. 1994. "Price Competition and Informational Product Differentiation Effectiveness: The Case of Edible Vegetable Oils in the U.S." *American Journal of Agricultural Economics*, 76:1245.
- \*Ahouissoussi, N.B.C., C.S. McIntosh and M.E. Wetzstein. 1994. "Rational Expectations Estimation of Georgia Soybean Acreage Response." *American Journal of Agricultural Economics*, 76:1265.
- \*McIntosh, C.S., and Albert Williams. 1992. "Supply Response and Pesticide Regulation in Georgia" *American Journal of Agricultural Economics*, 74:1303.
- \*Chen, Pei-Chi Peggy, and C.S. McIntosh. 1991. "Impacts of Chemical Restrictions on Agricultural Output and Input Markets" *Western Journal of Agricultural Economics*, 16:455.
- McIntosh, C.S., and J.H. Dorfman. 1991. "Qualitative Forecast Evaluation: A Comparison of Two Performance Measures" *Western Journal of Agricultural Economics*, 16:460.
- \*Sun, Henglun, J.C. Bergstrom and C.S. McIntosh. 1990. "Estimating Waterfowl Hunting Demand: An Application of the Household Production Theory" *Southern Journal of Agricultural Economics*, 22:202.
- McIntosh, C.S. and K.H. Shideed. 1990. "The Synthesis of Composite Forecasts in the Decision Making Process: An Example for U.S. Hog Production" *Southern Journal of Agricultural Economics*, 22:211.
- McIntosh, C.S., and C.R. Shumway. 1988. "Specification of Price Expectations for Multiple Output Models," *Southern Journal of Agricultural Economics*, 20:193.
- Powell, T.A., and C.S. McIntosh. 1988. "Bayesian Composite Forecasting of Interest Rates Using Financial Futures," *Southern Journal of Agricultural Economics*, 20:195.
- Novak, J.L., C.S. McIntosh, and M.E. Rister. 1988. "A Comparison of Farm L.P. to Alternative Microcomputerized Linear Programming Packages," *Southern Journal of Agricultural Economics* 20:206.
- Thaxton, Donna R., John W. Kelly, Kerry K. Litzenberg, and C.S. McIntosh. 1984. "Development of a Plant Evaluation Computer Program for Selection of Native Plants for Landscape Use," *HortScience*. 19(2):200.
- McIntosh, C.S., R.V. Withers, and S.M. Smith. 1982. "Vegetable Oil as an Agricultural Fuel for the Pacific Northwest: An Economic Evaluation," *American Society of Agricultural Engineers*, ASAE (4-82):177-183.
- McIntosh, Christopher S., R.V. Withers, and S.M. Smith. 1982. *Vegetable Oil as an Agricultural Fuel for the Pacific Northwest: An Economic Evaluation*, International Conference On Plant and Vegetable Oils as Fuels, American Society of Agricultural Engineers, 177-83 (invited paper).

#### Invited Papers:

- Dorfman, Jeffrey H. and Christopher S. McIntosh. 1991. "Results of a Price Forecasting Competition: Reply," *American Journal of Agricultural Economics*, 73:1277-78.
- McIntosh, Christopher S. and Jeffrey H. Dorfman. 1990. "A Price Forecasting Competition: Introduction," *American Journal of Agricultural Economics*, 72:786-87.
- Dorfman, Jeffrey H. and Christopher S. McIntosh. 1990. "Results of A Price Forecasting Competition," *American Journal of Agricultural Economics*, 72:804-808.
- McIntosh, Christopher S., R.V. Withers, and S.M. Smith. 1982. *Vegetable Oil as an Agricultural Fuel for the Pacific Northwest: An Economic Evaluation*, International Conference On Plant and Vegetable Oils as Fuels, American Society of Agricultural Engineers, 177-83.

**Other:**

**Trade Journals:**

- McIntosh, Christopher S., and Phil Nolte, 2003. Agricultural Statistics 101, *American Vegetable Grower*, February, 51(2):30-32.

**Bulletins or Reports (\*written with Graduate Student):**

- Bohl, W.H., J. Stark, and C. S. McIntosh, 2007. Seed Piece Size and Spacing Effects on Yield. *The Spudvine*, University of Idaho Extension, February 2007.
- McIntosh, C. S. and P. Nolte 2003. Statistics Play a Significant Role in Decision Making Process. *The Spudvine*, University of Idaho Extension, February 2003.
- McIntosh, C.S. and P.E. Patterson. 2000. Quantifying Risk in Potato Production. In *Proceedings of the Winter Commodity Schools - 2000*, Vol. 32, xx-xx. Moscow, Idaho: University of Idaho Cooperative Extension System.
- \*Karnum, C., C.S. McIntosh, and T. Park. 1996. "Economic Analysis of U.S. Broiler Industry Structure: A Structural Bayesian VAR Approach" *Proceedings of NCR-134 Applied Commodity Price Analysis, Forecasting, and Market Risk Management*, 362-376.
- \*Othman, J., C.S. McIntosh, and J.E. Houston. 1993. "Structural Change in the U.S. Oilseed Industry". *1991-92 Proceedings of the NC-186 Symposium on Grain Marketing*, in press, in press February 1993.
- McIntosh, C.S. 1992. *Output Supply, Input Demand, and Technology in Georgia Agriculture*, Georgia Agricultural Experiment Station, University of Georgia Special Publication 72.
- Dorfman, J.H. and C.S. McIntosh. 1992. "Simulating the Value of Directional Information in Futures Markets" *Proceedings of NCR-134 Applied Commodity Price Analysis, Forecasting, and Market Risk Management*, 1-15.
- \*Chen, Pei-Chi Peggy, and C.S. McIntosh. 1991. "Impacts of Chemical Restrictions on Agricultural Output and Input Markets" *Proceedings of the 1991 Annual Meeting, Western Agricultural Economics Association* 164-170.
- McIntosh, C.S., and Jeffrey H. Dorfman. 1991. "Qualitative Forecast Evaluation: A Comparison of Two Performance Measures" *Proceedings of the 1991 Annual Meeting, Western Agricultural Economics Association* 490-496.

- White, Fred C., Kamil H. Shideed and C.S. McIntosh. 1989. *Trade Liberalization and Resource Adjustments in Southern Agriculture*, Chapter 4 in "Surplus Capacity and Resource Adjustments in American Agriculture: Conference Proceedings", Pennsylvania State University, University Park, Pennsylvania, June, 61-80.
- \*Othman, J., C.S. McIntosh, and J.E. Houston. 1989. "Vegetable Oil Industry Conduct, Health Advertising Campaigns, and Impacts on U.S. Soybean Oil Demand", *Proceedings of the NC-186 Symposium on Grain Marketing*, 171-184.
- Novak, J.L., and C.S. McIntosh. 1988. "Farm L.P., A Microcomputerized Farm Level Systems Analysis Program," *Proceedings of the Second International Conference on Computers in Agricultural Extension Programs*.
- Novak, J.L., C.S. McIntosh, and M.E. Rister. 1988. *Farm L.P. An Economic Management Program for Alternative Enterprise Analysis: Quick Guide*, Alabama Cooperative Extension Service, Auburn University, Auburn, Alabama.
- Novak, J.L., C.S. McIntosh, and M.E. Rister. 1988. *Farm L.P. An Economic Management Program for Alternative Enterprise Analysis: Users Guide*, Alabama Cooperative Extension Service, Auburn University, Auburn, Alabama.
- Litzenberg, Kerry K., M.E. Rister and C.S. McIntosh. 1984. *The Impact of Computer Technology on Agricultural Economics Education*, Texas A&M University, DIR 84-1 No. SP-5.
- McIntosh, C.S., R.V. Withers, and S.M. Smith. 1983. "Energy Balance of On-Farm Vegetable Oil Production and Extraction in Selected Areas of Idaho and Washington," *Proceedings of the 3<sup>rd</sup> Annual Solar and Biomass Workshop, Southern Agricultural Energy Center, USDA, (1983):72*.
- McIntosh, C.S., R.V. Withers, and S.M. Smith. 1982. "The Economics of Production and On-Farm Extraction of Vegetable Oils in the Pacific Northwest," *Proceedings of the 2<sup>nd</sup> Annual Solar and Biomass Workshop, Southern Agricultural Energy Center, USDA, 75*.
- McIntosh, C.S., R.V. Withers, and G. Belcher. 1982. *Oilseeds for the Pacific Northwest, Economic Considerations*, University of Idaho, College of Agriculture, Moscow, Idaho, Bulletin 620.
- McIntosh, C.S., R.V. Withers, and S.M. Smith. 1982. "Costs of Installing and Operating Small Scale Vegetable Oil Extraction Plants" Chapter V-A in *The Potential of Vegetable Oils as an Alternative Source of Liquid Fuel for Agriculture in the Pacific Northwest*, University of Idaho, College of Agriculture, MS. No. 73.
- McIntosh, C.S., R.V. Withers, and S.M. Smith. 1982. "Economic Analysis of Producing and Using Vegetable Oils as a Fuel in the Pacific Northwest", Chapter V-B in *The Potential of Vegetable Oils as an Alternative Source of Liquid Fuel for Agriculture in the Pacific Northwest*, University of Idaho, College of Agriculture, MS. No. 73.
- McIntosh, C.S., R.V. Withers, and S.M. Smith. 1982. "Energy Balance of On-Farm Vegetable Oil Production and Extraction in Selected Areas of Idaho and Washington" Chapter I-C in *The Potential of Vegetable Oils as an Alternative Source of liquid fuel in the Pacific Northwest*, University of Idaho, College of Agriculture, MS. No. 73.
- Powell, T.A., C.S. McIntosh, and K.H. Lindeborg. 1981. *Southcentral Idaho Crop Enterprise Budgets*, University of Idaho, College of Agriculture, MS. No. 65.
- Powell, T.A., K.H. Lindeborg, and C.S. McIntosh. 1980. *Southwest Idaho Crop Enterprise Budgets*, University of Idaho, College of Agriculture, MS. No. 64.
- Powell, T.A., K.H. Lindeborg, and C.S. McIntosh. 1980. *North Idaho Crop Enterprise Budgets*, University of Idaho, College of Agriculture, MS. No. 62.

Withers, R. V., C.S. McIntosh, and G. Belcher. 1980. *Cost Budgets for Oilseed Crops at Selected Areas of the Pacific Northwest*, University of Idaho, College of Agriculture, Prog. Rep. No. 21.

**Presentations and Other Creative Activities:**

**Other Scientific Publications:**

McIntosh, C.S., W. Kriesel, W.P. Miller, and M.E. Sumner. 1992. "Utilization of Coal Combustion Byproducts in Agriculture and Land Reclamation: Market Analysis for the Southeast Region" Grant Report for the Electric Power Research Institute.

Novak, J.L., C.S. McIntosh, and M.E. Rister. 1988. "Farm L.P. An Economic Management Program for Alternative Enterprise Analysis," Alabama Cooperative Extension Service, Auburn, Alabama, January 1988.

McIntosh, C.S. 1987. "COMPFORE: A Program for Evaluating and Formulating Bayesian Composite Forecasts (ADA)," Extension Computer Technology Group, Texas Agricultural Extension Service, College Station, Texas.

McIntosh, C.S. 1982. "Machinery Acquisition Analysis," Ag. Computer Group, University of Idaho, Moscow, Idaho, No. 3.

**Special Educational Mimeograph Materials:**

McIntosh, C.S. 1989. "Specification of Government Policy Variables for Feed Grains, Wheat, Soybeans, Rice, Cotton, Peanuts, Tobacco, Sugar Beets and Milk 1950-1986," Faculty Series FS89-61, Division of Agricultural Economics, University of Georgia.

McIntosh, C.S. 1988. "Some Alternative Specifications of Price Expectation Variables for State-Level Supply Analysis, Examples for Iowa and Texas," Faculty Series FS88-71, Division of Agricultural Economics, University of Georgia.

**Special Educational Mimeograph Materials (cont):**

McIntosh, C.S. 1988. "Specification of Government Policy Variables for Feed Grains, Wheat, Soybeans, Cotton and Rice. 1956-1982," Faculty Series FS88-72, Division of Agricultural Economics, University of Georgia.

**Creative Contributions Other than Formal Publications:**

Co-organized invited paper session (with Jeffrey H. Dorfman): "A Price Forecasting Competition". 1989 Allied Social Science Annual Meetings, Atlanta, Georgia, December 1989. Participants: Arnold Zellner, Univ. of Chicago, Presiding; Keith R. Criddle, Univ. of Alaska, Arthur M. Havenner and Peter Berk, Univ. of California, Davis; James A. Chalfant, Univ. of California, Berkeley; Jeffrey H. Dorfman and Christopher S. McIntosh, Univ. of Georgia.

Directed construction of an agricultural production database: The database contains state-level production data for 17 states including the southern region. Each state data set contains 37 observations on over 400 variables. This data set has been requested by other major research institutions and Land Grant Universities including Texas A&M, University of Nevada at Reno, Yale, and the USDA ERS.

**Invited Presentations:**

McIntosh, Christopher S. and P. Nolte. "Statistics 102: Sample Size and the Winter Test," presented at the Idaho Crop Improvement Association Seed Potato Conference, January 2006.

McIntosh, Christopher S. "Lies, Damned Lies, and Statistics," presented at the Idaho Crop Improvement Association Seed Potato Conference, January 2003.

McIntosh, C.S., "Great Writings on Teaching." Annual meeting of the American Agricultural Economics Association, Long Beach, California, July 2002.

McIntosh, Christopher S. and Paul E. Patterson, "Modeling Risk in Idaho Potato Production, Comparisons of Open Market and Contract Potatoes," University of Idaho Potato Conference, January 2002.

McIntosh, Christopher S. and Paul E. Patterson, "Modeling Risk in Idaho Potato Production," presented at the University of Idaho Potato Conference, January 2001.

McIntosh, Christopher S. and Paul E. Patterson, "Modeling Risk in Idaho Potato Production," presented at the University of Idaho Potato Conference, January 2000.

McIntosh, C.S. and L. Makus. "Multi-State/Multi-Institution Agribusiness Distance Education Offerings: Issues, Advantages, and Disadvantages." Annual meeting of the American Agricultural Economics Association, Tampa, Florida, August 2000.

McIntosh, C.S. "Agricultural, Food, and Agribusiness Marketing Courses in Undergraduate Curricula." Annual meeting of the American Agricultural Economics Association, Tampa, Florida, August 2000.

McIntosh, C.S. "Diversity Among Satellite Campus Undergraduate Agribusiness Degree Programs." Annual meeting of the American Agricultural Economics Association, Tampa, Florida, August 2000.

**Professional Meeting Papers:**

Guenthner, J, E Toevs, A Johnson and C.S. McIntosh. 2010. "An IP System for GM Potatoes." Presented at the International Potato Processing & Storage Convention, Edinburgh, Scotland, June 22-24, 2010.

Muthusamy, K., C. S. McIntosh, Y. Bolotova, and P.E. Patterson. Price Behavior of Idaho Potatoes 1987-2007. Presented at the Idaho Potato Conference, Pocatello, ID, January 2008.

Widner, L. and C. S. McIntosh. Economic Impacts of Seed Borne PVY on Idaho Commercial and Seed Growers. Presented at the Idaho Potato Conference, Pocatello, ID, January 2008.

Saito, Yoshie and C. S. McIntosh. The Monitoring Value of Auditing and The Hidden Costs of Regulation:

- An Analysis of Public School Auditing. American Accounting Association, Mid year MAS Meeting, Long Beach, CA 2007
- Bohl, W., C. S. McIntosh and J. Stark. Effects of seedpiece size and spacing on yield and size distribution of three potato cultivars. Potato Association of America Annual Conference, Idaho Falls, ID. 2007
- Stark, J., C. S. McIntosh and S. Love. Use of Nitrogen uptake analysis to assess nitrogen status of different potato varieties. Potato Association of America Annual Conference, Idaho Falls, ID. 2007
- Nolte, P., J. Whitworth, M.K. Thornton and C.S. McIntosh. Effects of seedborne potato virus Y on performance of Russet Burbank, Russet Norkotah and Shepody potatoes. . Potato Association of America Annual Conference, Idaho Falls, ID. 2007
- Stark, J., C. McIntosh and S Love. 2007. Evaluation of N uptake analysis as a tool for determining potato N status. Western Nutrient Management Conference, Salt Lake City, UT, 2007.
- Whitworth, J, P. Nolte, C.S. McIntosh and R.D. Davidson. "Effect of Potato Virus Y on yield of potato grown under different nitrogen levels" 88<sup>th</sup> Annual Meeting of the Potato Association of America, August, 2005.
- McIntosh, C.S. "On Graduate Student Recruitment" Annual meeting of the American Agricultural Economics Association, Providence, RI, July 2005.
- Bateman, M., P. Nolte, P.B. Hamm, B. Geary, and Christopher S. McIntosh. *The Effect of Potato Virus A (PVA) on yield of Russet Burbank and Russet Norkotah Potatoes*. Potato Association of America, Spokane, WA, August 2003.
- Nolte, P., J. Whitworth, M.K. Thornton and C.S. McIntosh. 2002. The Effect of Seed-Borne PVY on Yield in Three Potato Varieties. (Poster). Presented at the 15<sup>th</sup> Triennial Conference of the European Association for Potato Research, July 14-19, Hamburg, Germany.
- McIntosh, C.S., *Great Writings on Teaching*. Annual meeting of the American Agricultural Economics Association, Long Beach, California, July 2002.
- Saito, Y., and C.S. McIntosh, *Evaluating the Role of Auditing in Georgia School Operations*. North American Productivity Workshop 2002.
- McIntosh, C.S. and L. Makus. "Multi-State/Multi-Institution Agribusiness Distance Education Offerings: Issues, Advantages, and Disadvantages." Annual meeting of the American Agricultural Economics Association, Tampa, Florida, August 2000.
- McIntosh, C.S. "Agricultural, Food, and Agribusiness Marketing Courses in Undergraduate Curricula." Annual meeting of the American Agricultural Economics Association, Tampa, Florida, August 2000.
- McIntosh, C.S. "Diversity Among Satellite Campus Undergraduate Agribusiness Degree Programs." Annual meeting of the American Agricultural Economics Association, Tampa, Florida, August 2000.
- Saito, Y., and C.S. McIntosh. "Evaluating Educational Efficiency." Western Economic Association International, July 2000.
- Saito, Y., and C.S. McIntosh. Relative Performance Evaluation and Efficient Use of Tax Dollars: A Output Distance Function Approach. North American Productivity Workshop, June 2000.
- McIntosh, C.S. "Modeling Acreage Response in a Post-FAIR World, Issues and Results for Southern Agriculture," Annual Meeting of the Southern Association of Agricultural Scientists, Memphis, Tennessee. 1999.
- Paudel, K., and C.S. McIntosh. "Numeraire Choice in Modeling Agricultural Supply," Annual meeting of the American Agricultural Economic Association, Salt Lake City, Utah, 1998.

- Dorfman, J., and C.S. McIntosh. "Putting the Econ into Econometrics," Annual meeting of the American Agricultural Economic Association, Salt Lake City, Utah, 1998.
- Stavriotis, P., J. Houston, C.S. McIntosh, and S. Turner. "Leading Indicators for Regional Cotton Response: Structural and Time Series Modeling Results," Annual meeting of the Southern Agricultural Economics Association, Little Rock, Arkansas, 1997.
- Tribble, C.M., C.S. McIntosh, and M. Wetzstein. "Georgia Cotton Acreage Response to the Boll Weevil Eradication Program," Annual meeting of the Southern Agricultural Economics Association, Little Rock, Arkansas, 1997.
- McIntosh, C.S., T. Park, and C. Karnum. "The Potential Impacts of Nutrient Management Legislation on the U.S. Broiler Industry," Annual Meeting of the Western Agricultural Economics Association, Reno, Nevada, 1997.
- Karnum, C., C.S. McIntosh, and T. Park. "Economic Analysis of U.S. Broiler Industry Structure: A Structural Bayesian VAR Approach," The NCR 134 conference on Applied Commodity Price Analysis, Forecasting, and Market Risk Management, Chicago, Illinois, 1996.
- Chen, Chia-Lin, C.S. McIntosh, M.E. Wetzstein, and F.C. White. "The Cost of Slippage: The Case of Upland Cotton in Georgia," Annual Meeting of the American Agricultural Economics Association, San Antonio, Texas, 1996.
- Chen, Chia-Lin, C.S. McIntosh, M.E. Wetzstein, and F.C. White. "Commodity Program Slippage Measurement: The Case of Upland Cotton in Georgia," Annual Meeting of the Southern Agricultural Economics Association, New Orleans, Louisiana, 1995.
- Othman, J.B., C.S. McIntosh, and J.E. Houston. "Price Competition and Informational Product Differentiation Effectiveness: The Case of Edible Vegetable Oils in the U.S." Annual Meeting of the American Agricultural Economics Association, San Diego, California, 1994.
- Ahouissoussi, N.B.C., C.S. McIntosh, and M.E. Wetzstein. "Rational Expectations Estimation of Georgia Soybeans Acreage Response." Annual Meeting of the American Agricultural Economics Association, San Diego, California, 1994.
- Dorfman, J.H. and C.S. McIntosh. "Simulating the Value of Directional Information in Futures Markets," The NCR 134 conference on Applied Commodity Price Analysis, Forecasting, and Market Risk Management, Chicago, Illinois, 1992.
- McIntosh, C.S. and Albert Williams. "Supply Response and Pesticide Regulation in Georgia," Annual Meeting of the American Agricultural Economics Association, Baltimore, Maryland, 1992.
- Chen, Pei-Chi Peggy, and C.S. McIntosh. "Impacts of Chemical Restrictions on Agricultural Output and Input Markets," Annual Meeting, Western Agricultural Economics Association, Portland, Oregon, 1991.
- McIntosh, C.S., and Jeffrey H. Dorfman. "Qualitative Forecast Evaluation: A Comparison of Two Performance Measures," Annual Meeting, Western Agricultural Economics Association, Portland, Oregon, 1991.
- McIntosh, C.S. and K.H. Shideed. "The Synthesis of Composite Forecasts in the Decision-Making Process: A Comparison for U.S. Hog Production," Southern Agricultural Economics Association annual meeting, Little Rock, Arkansas, 1990.
- Sun, H., J.C. Bergstrom, and C.S. McIntosh. "Estimating Waterfowl Hunting Demand: An Application of the Household Production Theory," Southern Agricultural Economics Association annual meetings, Little Rock, Arkansas, 1990.

- McIntosh, C.S., K.H. Shideed, and J.H. Dorfman. "Composite Forecasting and Evaluation: An Application to U.S. Hog Markets," Southeast Decision Science Institute annual meeting, Columbia, South Carolina, 1990.
- White, F.C., K.H. Shideed and C.S. McIntosh. "Trade Liberalization and Resource Adjustments in Southern Agriculture," NCR-151 Symposium on Surplus Capacity and Resource Adjustments in American Agriculture, 1989.
- McIntosh, C.S. and D.A. Bessler. "On the Outperformance Method of Composite Forecasting," Southeast Decision Science Institute annual meeting, Charleston, South Carolina, 1989.
- Othman, J., C.S. McIntosh, and J.E. Houston. "Vegetable Oil Industry Conduct, Health Advertising Campaigns, and Impacts on U.S. Soybean Oil Demand," NC-186 Symposium on Grain Marketing, Minneapolis, Minnesota, 1989.
- McIntosh, C.S. and J.H. Dorfman. "A Price Forecasting Competition: Introduction," presented at the Allied Social Science Annual Meeting in Atlanta, Georgia, 1989.
- McIntosh, C.S. and J.H. Dorfman. "A Price Forecasting Competition: Evaluation," presented at the Allied Social Science Annual Meeting in Atlanta, Georgia, 1989.
- McIntosh, C.S., and C.R. Shumway. "Specification of Price Expectations for Multiple Output Models," Southern Agricultural Economic Association annual meeting, New Orleans, Louisiana, 1988.
- Powell, T.A., and C.S. McIntosh. "Bayesian Composite Forecasting of Interest Rates Using Financial Futures," Southern Agricultural Economic Association annual meeting, New Orleans, Louisiana, 1988.
- Novak, J.L., C.S. McIntosh, and M.E. Rister. "A Comparison of Farm L.P. to Alternative Linear Programming Packages," Southern Agricultural Economics Association annual meetings, New Orleans, Louisiana, 1988.
- Novak, J.L., and C.S. McIntosh. "Farm L.P. A Microcomputerized Farm Level Systems Analysis Program," Second International Conference on Computers in Agricultural Extension Programs, Orlando, Florida, 1988.
- McIntosh, C.S., R.V. Withers, and S.M. Smith. "Energy Balance of On-Farm Vegetable Oil Production and Extraction in Selected Areas of Idaho and Washington," 3<sup>rd</sup> Annual Solar and Biomass Workshop, Southern Agricultural Energy Center, USDA, Tifton, Georgia, 1983.
- Litzenberg, K.K., M.E. Rister, and C.S. McIntosh. "Integrating Computers Into Agricultural Economics Curricula," American Agricultural Economics Association Teaching Workshop, Lafayette, Indiana, 1983.
- McIntosh, C.S., R.V. Withers, and S.M. Smith. "The Economics of Production and On-Farm Extraction of Vegetable Oils in the Pacific Northwest," 2<sup>nd</sup> Annual Solar and Biomass Workshop, Southern Agricultural Energy Center, USDA, Tifton, Georgia, 1982.
- McIntosh, C.S., R.V. Withers, and S.M. Smith. "Vegetable Oil as an Agricultural Fuel for the Pacific Northwest: An Economic Evaluation," International Conference On Plant and Vegetable Oils as Fuels, American society of Agricultural Engineers, Fargo, North Dakota, 1982.

#### **Presentations at Extension Meetings:**

- McIntosh, Christopher S. and P. Nolte. "Statistics 102: Sample Size and the Winter Test," presented at the Idaho Crop Improvement Association Seed Potato Conference, January 2006.
- McIntosh, Christopher S. *Lies, Damned Lies, and Statistics*, presented at Idaho Crop Improvement Association Seed Potato Conference, January 2003.

McIntosh, Christopher S. and Paul E. Patterson, *Modeling Risk in Idaho Potato Production, Comparisons of Open Market and Contract Potatoes*, presented at the University of Idaho Potato Conference, January 2002.

McIntosh, Christopher S. and Paul E. Patterson, *Modeling Risk in Idaho Potato Production*, presented at the University of Idaho Potato Conference, January 2001.

McIntosh, Christopher S. and Paul E. Patterson, *Modeling Risk in Idaho Potato Production*, presented at the University of Idaho Potato Conference, January 2000.

#### **Grants and Contracts Awarded:**

July 2011. The Economic Analysis of Increasing the Minimum Size for Fresh Potatoes. Idaho Potato Commission, co-principal investigator \$18,611

July 2010. Determining Optimal Stem Numbers for Idaho Potato Markets. Idaho Potato Commission, Principal investigator \$18,311

December 2009. Development of comprehensive strategies to manage Potato Virus Y in potato and eradicate the tuber necrotic variants recently introduced into the United States. USDA. co-principle investigator \$2,381,759

July 2008, Economic consequences of Iris Yellow Spot Virus in Spanish Onions. Idaho-Eastern Oregon Onion Committee, \$7,500 Principle Investigator.

July 2007 Economic analysis of alternative methods of detecting PVY strains in Idaho Potatoes. Idaho Potato Commission. \$35,000. Cooperator.

June 2006, Production and Price Risk in Idaho Barley Production, is the Burden Shifting?. Barley for Rural America, \$10,000. Principle investigator

October 2002, Reducing Exposure to Drought Risk in Potato Production Systems, USDA Risk Management Agency \$185,306. Co-Principle investigator.

July 2000, Experiencing the Idaho Agricultural Policy Making Process, University of Idaho, \$660, Co-Principle.

July 2000, Integrated Management of Late Blight, Early Blight and Net Necrosis in Idaho, Idaho Potato Commission, \$43,668, Co-Principle investigator.

February 1997, State-of-the-art teaching facilities, USDA, \$18,000, Co-Principle investigator.

September 1996, Technology for Undergraduate Instruction in Ag and Applied Economics, Vice President for Univ. Comp. and Net. Services, \$79,900, Principle investigator.

September 1994, Production and Utilization of Biodiesels, USDA/ERS Cooperative Agreement, \$20,000, Principle investigator.

January 1992, Utilization of Coal Combustion By-products in Agriculture, phase I, Electric Power Research Inst., Southern Co. Services, \$30,000, Principle investigator.

September 1988, Geographic Distribution and Intercommodity Sensitivity of Estimated Policy Response, USDA/ERS Cooperative agreement, \$12,000, Principle investigator.

**SERVICE:**

**Major Committee Assignments:**

National:

Director, Western Agricultural Economics Association, 2009 - present  
 Chair, Awards committee, Western Agricultural Economics Association, 2008  
 Organized the Teaching Learning and Communications track for the 2003 American Agricultural Economics Association annual meetings, Montreal, Canada.  
 President of the Teaching, Learning and Communications Section of the American Agricultural Economics Association 2003-2004  
 Past President of the Teaching, Learning and Communications Section of the American Agricultural Economics Association 2004-2005  
 Served on the Committee for Recognition of Outstanding Communication for the American Agricultural Economics Association, 1992-94.

University:

University of Idaho Distance Education Task Force Member 2006  
 Graduate Faculty, University of Idaho, 1999-present  
 Graduate Faculty, University of Georgia, 1988-99

College:

College of Agricultural and Environmental Sciences Information Technology Forum, 1998-99  
 College of Agriculture Graduate Committee, Acting member, 1991  
 College of Agriculture Improvement of Teaching and Learning Committee, 1990-91  
 College of Agriculture Junior Faculty Advisory Committee, 1988-89  
 Phase II Peer Review of Teaching Committee, 1996-97  
 Review team for the UGA School of Music, 1994

Division:

UGA-AAE  
 Computer Committee, 1988-92  
 Ph. D. Preliminary Examination Subcommittee, 1988-90  
 Chair, Production Economics Prelim. Committee, 1990, 1992  
 Quantitative Methods Prelim. Committee, 1991  
 Graduate Committee 1988-94

Departmental:

Agribusiness Economist Search Committee Chair 2006  
 Resource Economist Search Committee Member, 2003  
 AERS Curriculum Committee, Chair, Univ. of Idaho, 1999-2005  
 UGA-AAE  
 Ad Hoc Committee to define reference librarian job description, 1994  
 Computer Committee, Chair, 1993-99  
 Econometrician Search Committee, 1988  
 Graduate Committee, 1999  
 Information Analyst II search Committee, 1988 & 1996  
 Chair, 1996  
 Outstanding graduate student paper competition committee, Chair, 1991  
 Outstanding graduate student paper competition reading committee, 1988  
 Outstanding M.S. and Ph. D. student selection committee, 1989  
 Production Economics field exam committee, Chair, 1994-96

Production/Resource search committee (Griffin), 1994  
 Quantitative qualifying exam committee, Chair, 1995-97, 1999  
 Risk/Uncertainty/Finance Search Committee, 1990  
 Undergraduate student paper competition committee, 1988

**Professional and Scholarly Organizations:**

American Agricultural Economics Association  
 Phi Kappa Phi Honor Society  
 Sigma Xi Scientific Research Society  
 Southern Agricultural Economics Association  
 Western Agricultural Economics Association

**Outreach Service:**

Managing Editor:

*Journal of Agricultural and Resource Economics*, 2012-2015

Editorial Council:

*Journal of Agricultural and Applied Economics*, 1993-95

Referee:

*Agricultural and Resource Economics Review*, 1994  
*American Journal of Agricultural Economics*, 1988, 1990-94, 1996, 1998-2010  
*International Economic Review*, 1989  
*Journal of Agribusiness*, 1989-92, 1994, 1996, 2006  
*Journal of Agricultural and Applied Economics*, 1984-86, 1988-98, 2001-2005  
*Journal of Agricultural and Resource Economics*, 1986-92, 2003-2010  
*Journal of Productivity Analysis*, 1998-99  
*The Journal of Agricultural Economics Research*, 1991

Reviewer:

Agricultural Economics Association annual meetings, 1991-93, 1999  
 Southern Agricultural Economics Association annual meetings, 1993-94, 1996

Served as an invited discussant for:

*Allied Social Science Association* (AAEA section), December 1989  
*Southeast Decision Science Institute*, February 1989, February 1990

Served as a selected papers session moderator for:

*American Agricultural Economics Association*, August 1992  
*Western Agricultural Economics Association*, July 1989

Served as a textbook reviewer for:

McGraw-Hill, 1998  
 John Wiley and Sons, 1997

**Community Service:**

Judge:

INEEL Scholastic Tournament, 2003  
 Interview team for the State 4-H Agricultural Excellence and 4-H Interview Project. This judging determined the winning project in Agricultural Excellence for the State of Georgia, July 1997

Range Safety Officer, State 4-H archery competition, Spring 1997

Electric Power Research Institute, provided technical advice concerning the structure of research on the use of coal combustion byproducts in agriculture, 1991

Chatham County, Georgia 4-H Camp, camp beautification project volunteer, 1989

USDA/ERS provided advice and technical expertise for construction of a State-Level U.S. agricultural database, 1987

Rathdrum Prairie region of north Idaho/eastern Washington, provided economic information concerning the need to burn bluegrass seed fields, 1983

**Honors and Awards:**

Outstanding Young Men of America, 1983  
Phi Kappa Phi Honor Society, 1988  
Sigma Xi Scientific Research Society, 1989

**PROFESSIONAL DEVELOPMENT:**

Allied Social Science Association annual meeting 1989, 2001  
American Agricultural Economics Association annual meeting 1979, 1986-88, 1990, 1992-94, 1996-98, 2000-10  
Georgia Agricultural Economic Association annual Meetings, 1988-94  
International Conference on Plant and Vegetable Oils as Fuels, 1982  
NCR-134 annual conference on commodity price analysis and forecasting, 1992  
SE-239 (now S-275) annual conference on beneficial re-use of animal wastes in agriculture, 1994  
Solar and Biomass Energy Workshop, Atlanta Georgia, 1982-83  
Southeast Decision Science Institute annual meeting, 1989-90, 1992  
Southern Agricultural Economics Association annual meeting 1988, 1990-91, 1994-95, 1999  
Western Agricultural Economics Association annual meeting 1986, 1989, 1991, 1994, 1996-97, 2001-2010  
Council member, Western Agricultural Economics Association, 2005-2010  
Self Improvement Activities:  
*AAEA:*  
Communication Skills Workshop, August 1988  
Econometric Modeling Workshop, August 1988  
Teaching and Learning pre-conference, August 2000, August 2001

**PROFESSIONAL CONSULTING: (since 2005)**

Shoshone Bannock Tribe  
Fort Hall Landowners Association  
Holland and Hart, LLP  
Racine, Olson, Nye, Budge and Bailey