
Curriculum Vitae

GARY WAYNE WILLIAMS

GENERAL

Citizenship: United States of America
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EDUCATION

High School: Monterey High School (Lubbock, TX), graduated May 1968.

College:

Undergraduate

- Texas Tech University (Lubbock, TX). Fall 1968. Major: Economics.
- Brigham Young University (Provo, UT). Spring 1968 and 1971-1973. B.S. in Economics with minor in Spanish, April 1974 (*Cum Laude*).

Graduate

- George Washington University (Washington, D.C.). 1974-1976 (part-time). Major: Economics
- Purdue University (West Lafayette, IN). 1976-1978 and 1978-1981 (in absentia). M.S.: Agricultural Economics, Dec. 1977; Ph.D.: Agricultural Economics, May 1981.

WORK EXPERIENCE

1974-76	International Economist, Agriculture and Materials Branch, Office of Economic Research, Washinton, D.C.
1976-78	Research Assistant, Dept. of Agricultural Economics, Purdue University (part-time)
1978-79	Special Assistant to the Deputy Undersecretary of Agriculture for International Affairs and Commodity Programs (G. Edward Schuh). U.S. Dept. of Agriculture, Washington, D.C.
1979-81	Agricultural Economist, Agricultural and Trade Policy Branch, International Economics Division, Economic Research Service, U.S. Department of Agriculture, Washington, D.C.
1981-83	Senior Economist, Intl. Agricultural Service, Chase Econometrics, Bala Cynwyd, PA
1983-86	Assistant Professor, Department of Economics, Iowa State University, Ames, IA
1984-88	Assistant Coordinator, Meat Export Research Center, Iowa State University, Ames, IA
1986-88	Associate Professor, Department of Economics, Iowa State University, Ames, IA
1988-current	Full Professor, Department of Agricultural Economics, Texas A&M University, College Station, TX
2000-02	Visiting Professor, Autonomous U. of Chapingo, Center for World Agriculture and Agroindustry Economic, Social, and Technological Research, Texcoco, Mexico (annual course taught)
2001-2010	Visiting Professor (annual courses taught), International University of Ecuador, Quito, Ecuador
2002	Visiting Professor, Auton. U. of Chapingo, Dept. of Agr. Econ., Texcoco, Mexico

Work Experience (continued)

- 2008-2018** Associated Professor, Department of International Affairs, The George Bush School of Government and Public Service, Texas A&M University, College Station, TX
- 1988-2009** Coordinator, Texas Agribusiness Market Research Center, Dept. of Agricultural Economics, Texas A&M University, College Station, TX
- 2009-current** Co-Director, Agribusiness, Food, and Consumer Economics Research Center (AFCERC), Department of Agricultural Economics, Texas A&M University, College Station, TX
- 2011-current** Senior Scientist, Borlaug Institute for International Agriculture, College of Agriculture and Life Sciences, Texas A&M University.

PROFESSIONAL AWARDS, HONORS, RECOGNITION

Most Outstanding Student in Economics, College of Business, Brigham Young University, 1974
Offered membership in Phi Beta Kappa (National Honor Society) at graduation, Brigham Young University, 1974

Training Award, Central Intelligence Agency. Full salary, tuition, books grant to attend Purdue University, 1976

Most Outstanding MS Thesis, Department of Agricultural Economics, Purdue University, 1978

Distinguished Service Award, Meat Export Research Center, Iowa State U., 1988

AAEA Outstanding Ph.D. Dissertation, Honorable Mention, for Graduate Student, Iowa State U. (T. I. Wahl), 1990

Appointed to Texas Agriculture Commissioner's (Rick Perry) Select Committee on NAFTA, 1991-1996

Appointed to National Academy of Science Committee, Livestock Disease Eradication: Bovine Tuberculosis, 1992-94

Appointed to the National Research Initiative Competitive Review Panel - Marketing and Trade, CSRS, U.S. Department of Agriculture, 1994

Vice Chancellor's Award in Excellence for Team Research, NAFTA Research Team led by Dr. Williams, Texas Agribusiness Market Research Center, The Agriculture Program of the Texas A&M University System, 1998.

"Article of the Year" Award (1999): Capps, Love, Williams, and Adams, "Examining Packer Choice of Slaughter Cattle Procurement and Pricing Methods," *Agricultural and Resource Economics Review*, April 1999, Northeastern Agricultural & Resource Economics Association.

Appointed Chair, National Academy of Science Committee on the Economic Development and Current Status of the Sheep Industry in the United States, 2006-2008.

Appointed to National Academy of Science Project Scoping Committee on The Role of Animal Agriculture in a Sustainable 21st Century Global Food System, 2010-2012.

Appointed to National Academy of Science Committee on Considerations for the Future of Animal Science Research, (sole agricultural economist), 2014-15.

Appointed, Member of the Review Oversight Committee for the Genome Canada (Government) funded Project: "Application of Genomics to Improve Disease Resilience and Sustainability in Pork Production" (sole agricultural economist), 2016-present.

Named ARER Fellow, *Agricultural and Resource Economics Review*, 2020.

LANGUAGE SKILLS (4-point scale where 0 = no skills and 4 = native)

English: Reading, writing, speaking, comprehension skills: Native (level 4)

Spanish: Reading, writing, speaking, comprehension skills: Nearly native (level 3++)

Portuguese: Reading, comprehension skills: level 2

INTERNATIONAL ACTIVITIES

General

Member, International Association of Agricultural Economics (IAEA)

Member, International Agricultural Trade Research Consortium (IATRC)

Member, Sociedad Mexicana de Administración Agropecuaria (SOMEXAA) [Mexican Assoc. of Ag. Economics]

In-Country Work/Research/Consulting

Chile: Full-time, two-year mission for the Church of Jesus Christ of Latter-day Saints, 1969-1971.

Mexico: Numerous sector analysis projects in cooperation with researchers at various Mexican universities, including Chapingo Autonomous Univ., the Postgraduate College, the Univ. of Tamaulipas, and the Univ. of Tabasco (many years). Visiting Prof: Chapingo Aut. Univ. in Texcoco, Mexico, 2000 and 2002.

Brazil: (1) Extensive economic analysis of Brazilian soybean industry and policies under cooperative agreement with U.S. Department of Agriculture, 1981-1984; (2) Work with EMBRAPA in Brasilia on agricultural information system, 1998, (3) Continuing analysis of Brazil soybean sector; (4) Visiting Professor, Dept. of Ag. Economics at Sao Paulo University (ESALQ), Piracicaba, Brazil, 2012.

Japan: Analysis of Japanese livestock sector including in-country interviews with Japanese farmers, businessmen, researchers, and policy makers, 1984-1993.

Guatemala: (1) Consulting with faculty of College of Agriculture at Rafael Landivar University in Guatemala City on the establishment of an MBA in agriculture program, 1987; (2) Agribusiness Seminar presentations, Universidad del Valle de Guatemala, Guatemala City, 1994.

Ecuador: (1) Ecuador Ministry of Ag. Project for the Reorientation of Agriculture Sector: In-depth analyses of the Ecuadorian grain, oilseeds, and livestock sectors, 1994-1997; (2) Prime contractor, World Bank Project "Information System and Agricultural Census Project" (P-SICA) with Ecuador Ministry of Agriculture including extensive agricultural sector analyses and development of agricultural info system; 1999-2004; (3) International University of Ecuador in Quito: Established Master of International Agribusiness program (World Bank funding) and taught courses in international trade, semi-annually 2001-2010.

France: Visiting professor at the ISA Group: the Institute of Agriculture, Food Industry, Environment and Landscape Management at the Catholic University of Lille, March 2011.

China: Research with professors from China Agricultural University, Beijing, on Chinese soybean markets, 2012

Norway: Research with Norwegian Seafood Council and colleagues at Stavanger University (Norway) on the returns to seafood export promotion, 2016-2019

SERVICE ACTIVITIES

Others: Extensive travel, speaking at conferences and seminars, consulting projects: British Isles (Ireland, Scotland, England), Nicaragua, Honduras, Colombia, Costa Rica, Brazil, other Latin American countries, France, Italy, Spain, Australia, New Zealand, China, Norway, South Korea.

International

Member, Editorial Council, *Revista Mexicana de Agronegocios* (Mexican Journal of Agribusiness), 2009-2012

Member, Research Oversight Committee, Genome Canada (Government) funded project “Application of Genomics to Improve Disease Resilience and Sustainability in Pork Production,” 2016-present

National

Member, American Agricultural Economics Association (AAEA), 1976-present

Member, Advisory Panel, Project 2002, American Soybean Association and ELANCO, 1982-83

Member, AAEA Economics and Statistics Committee, 1982-84

Chair, AAEA Tellers Committee, 1985

Member, NEC-63 Regional Research Comm., Commodity Promotion Evaluation, 1985-2009

Member, W-2177 Reg. Research Comm., Enhancing Competitiveness/Value of Beef, 1985-2005

Member, AAEA Selected Papers Committee (Topic Leader for International Trade), 1986

Member, American Soybean Association Soybean Economist Roundtable, 1987-1990

Chair, W-177 Reg. Research Comm., Domestic & International Marketing Strategies for U.S. Beef, 1990-92

Member, AAEA Distinguished Undergraduate Teaching Award Committee, 1987-91

Member, National Academy of Science Committee on Livestock Disease Eradication: Bovine Tuberculosis, National Research Council, 1992-1994

Member, NRI Competitive Review Panel - Marketing and Trade, CSRS, USDA, 1994

Member, AAEA Selected Papers Committee, 1998.

Member, Editorial Council, *Journal of Agricultural and Resource Economics*, 2001-2003.

Guest Editor, *Choices* Magazine, Amer. Agr. Econ. Assoc., Commodity Checkoff Program Theme, 2nd Qtr, 2006.

Chair, National Academy of Science Committee on the Economic Development and Current Status of the Sheep Industry in the United States, 2006-2008.

Member, National Academy of Science Project Scoping Committee, The Role of Animal Agriculture in a Sustainable 21st Century Global Food System 2010-2012.

Facilitator, Emerging Issues on International Food Animal Production, ARS – NIFA Stakeholder Workshop on Food Animal Production Research, March 2011.

Member, Departmental Review Team, Food and Resource Economics Department, University of Florida, May 2007.

Member, National Academy of Science Committee on Considerations for the Future of Animal Science Research, 2014.

Chair, AAEA Selected Presentations Committee, 2016 & 2017. Committee Member, 2013-2017.

National(continued)

Moderator, AAEA selected paper session, AAEA annual meetings, Chicago, IL, July 31, 2017.

Moderator, AAEA selected paper session, AAEA annual meetings, Wash., D.C., Aug 7, 2018.

Journal Article Referee: *Agribusiness: An International J.*, *Agricultural Economics*, *Agricultural and Resource Economics Review*, *American J. of Agricultural Economics*, *Applied Economic Perspectives and Policy*, *Borlaug J. for International Development*, *Canadian J. of Agricultural Economics*, *Choices*, *Economic Development and Cultural Change*, *Economics Bulletin*, *Food Policy*, *HortScience*, *International Food and Agribusiness Management Review*, *Investigación y Ciencia (Research and Science)*, *J. of Agribusiness*, *J. of Agricultural and Applied Economics*, *J. of Agricultural and Resource Economics*, *J. of Cotton Science*, *J. of International Food & Agribusiness Marketing*, *PLOS One*, *Quarterly J. of International Agriculture*, *Review of Agricultural Economics*, *Revista Mexicana de Agronegocios (Mexican J. of Agribusiness)*, *Rural Sociology*.

University

Member, Advisory Council, Internal member, Center for International Business Studies, Mays College and Graduate School of Business, Texas A&M University, 1995-present

Member (peer election), Council of Principal Investigators, Texas A&M University, 1998-2001

Member, Bush School Comm. of Faculty on International Programs (COFIP), TAMU, 1998-2006

Associated Faculty Member, Bush School of Government and Public Service, TAMU, 2008-2018

Member, Search Committee, tenure track position in international development, Master's Program in International Affairs, Bush School, Texas A&M University, 2010-2011

Member, Selection committee for 2012 Bush Excellence Awards for Faculty in International Research

Member, Intercollegiate Faculty on Agribusiness, 2012-present

Member, Strengthening Democracy Initiative Committee, 2013-14

College (College of Agriculture and Life Sciences - COALS)

Member, Executive Committee, Institute for Food Science and Engineering, 1997-99

Member, Internationalization of the Curriculum Task Force, 2009-10

Senior Scientist, Borlaug Institute for International Agriculture, 2010-present

Member, Planning Committee, Grand Challenge of "Growing our Economy," 2012-2013

Member, COALS and Texas AgriLife Peer Review Committee, 2013-2015

Member, Certificate in Int'l Ag. and Resource Management Revision Committee, 2011-2018

Member, Certificate in International Agriculture Committee, 2018-present

Department of Agricultural Economics, Texas A&M University

Member, ARC Committee, Richard Woodward, 1997-2010

Member, Planning Comm., Int'l Ag. Trade Summit, TAMUS Ag. Program and Tex. Tech U., 2000

Member, Faculty Evaluation Committee, 2000-2002, 2004-2007, 2012-15, 2019-2020

Chair, Faculty Evaluation Committee, 2006/2007, 2014/15, 2020

Chair, Promotion and Tenure Committee, 2006/2007, 2014/15, 2020

Member, PhD Review Committee, 2003

Department of Agricultural Economics, Texas A&M University (continued)

Chair, Awards Committee, 2004-2006

Member, ARC Committee, Desmond Ng, 2004-present

Member, Graduate Advisory Committee, 2000-2002, 2004-2007, and 2013-15

Member, Faculty Advisory Committee, 2007-2009

Member, Research Advisory Committee, 2008-2016

Member, Research and Publication Award Committee, 2008-present

Member, Seminar Committee, 2009-2014

Member, Search Committee, Tenure-track position in International Trade and Transportation, 2013

Chair, Department Committee for the State Employee Charitable Campaign, 2016/17

Chair, Research Advisory Committee, 2019-present

Member, Search Committee for MAB Program Manager Position, 2019

PAPERS AND PUBLICATIONS

Summary

Publication Type	Number
Refereed Publications	53
Invited Papers/Presentations	118
- Professional meetings (U.S. and international)	63
- Government, Industry, Other (U.S. and international)	52
- Congressional testimonies	3
Contributed/Selected Papers/Presentations	31
Books/Monographs	5
Book/Monograph Chapters	15
Book Reviews	2
Research Reports (Contract, Other)	127
Popular Press Articles and Non-Refereed Papers/Reports	23
TOTAL 1800+ citations; h-index: 21; i10-index: 51	374

Refereed Publications

Williams, G.W., *Do Foreign Market Development Programs Work? The Case of Soybeans and Soybean Products*, FAER-203, U.S. Dept. Agr., Econ. Res. Serv., October 1984.

Williams, G.W. and R.L. Thompson, *The Brazilian Soybean Industry: Economic Structure and Policy Interventions*, FAER-200, U.S. Dept. Agr., Econ. Res. Serv., Oct. 1984. (Published in Brazil in 1988 as *A industria de soja no Brasil, estrutura economica e politicas de intervençao do governo no mercado* by the Comissão de Financiamento da Produção of the Brazilian Ministry of Agriculture, Livestock, and Food Supply in 1988).

Williams, G.W. and R.L. Thompson, "The South American Soybean Industry: Its Growth and Future Prospects," *Quarterly Journal of International Agriculture* 23(3):264-280, 1984.

Refereed Publications (continued)

- Williams, G.W., "Development and Future Direction of the World Soybean Market," *Quarterly Journal of International Agriculture* 23(4):319-337, 1984.
- Williams, G.W. and R.L. Thompson, "Brazilian Soybean Policy: International Effects of Intervention," *American Journal of Agricultural Economics* 66(4):488-498, 1984.
- Williams, G.W., "Returns to U.S. Soybean Export Market Development," *Agribusiness: An International Journal* 1(3):243-263, 1985.
- Skold, K.D., G.W. Williams, and M.L. Hayenga, "Meat Export Marketing: Lessons from Successful Exporters," *Agribusiness: An International Journal* 3(1):83-97, 1987.
- Sapp, S.G. and G.W. Williams, "The Socio-Economic Issues of Japanese Beef Imports," *Agribusiness: An International Journal* 4(1):64-77, 1988.
- Denbaly, M.S.M. and G.W. Williams, "U.S. Money Supply and the Exchange Rate: Long-Run Effects on the World Feedgrain Market," *North Central Journal of Agricultural Economics* (now *Applied Economic Perspectives and Policy*) 10(1):49-62, 1988.
- Williams, G.W., "The Case of U.S. Meat Exports," *J. of Food Dist. Research* 20(1): 12-16, 1989.
- Wahl, T.I., G.W. Williams, and D.J. Hayes, "The 1988 Japanese Beef Market Access Agreement: A Forecast Simulation Analysis," *Agribusiness: An International Journal* 5(4):347-360, 1989.
- Hayes, D.J., T.I. Wahl, and G.W. Williams, "Testing Restrictions on a Model of Japanese Meat Demand," *American Journal of Agricultural Economics* 72(3):556-566, 1990.
- Wahl, T.I., D.J. Hayes, and G.W. Williams, "Dynamic Adjustment in the Japanese Livestock Industry Under Beef Import Liberalization," *American Journal of Agricultural Economics* 73(1):118-132, 1991
- Williams, G.W. and C. Parr Rosson III, "Agriculture and the North American Free Trade Agreement," *Choices* 7(4):14-15, 1992.
- Rosson, C. Parr III and G.W. Williams, "NAFTA Provisions for Agriculture," *Choices* 7(4): 16-19, 1992.
- Byrne, P.J., O. Capps, Jr., and G.W. Williams, "U.S. Demand for Lamb: The Other Red Meat," *Journal of Food Distribution Research* 24(1):69-86, 1993.
- Williams, G.W. and J.B. Ward, "Factors Affecting the Use of Cottonseed Meal in Animal Feed Rations: Implications for Marketing and Promotion," *Agribusiness: An International Journal* 10(2):115-130, 1994.
- Martin, S.W., G.W. Williams, R.A. Dietrich, P. Genho, W.P. Hueschele, R.L. Jones, M. Koller, J.D. Lee, H.C. Lopez, H.W. Moon, R.A. Robinson, P.L. Smith. *Livestock Disease Eradication: Evaluation of the Cooperative State-Federal Bovine Tuberculosis Eradication Program*. Washington, D.C.: National Academy Press, 1994.
- Capps, O., Jr., R. Tsai, R. Kirby, and G.W. Williams, "A Comparison of Demands for Meat Products in the Pacific Rim Region," *Journal of Agricultural and Resource Economics* 19(1): 210-224, 1994.
- Byrne, P.J., R. Tsai, O. Capps, Jr., and G.W. Williams, "Policy Implications of Trade Liberalization: The Case of Meat Products in Taiwan and South Korea," *Agribusiness: An International Journal* 11(4):297-307, 1995.
- Capps, O., Jr., P.J. Byrne, and G.W. Williams, "Analysis of Marketing Margins in the U.S. Lamb Industry," *Agricultural and Resource Economics Review* 24(2):232-240, 1995.

Refereed Publications (continued)

- Williams, G.W. and E.E. Davis, "Lamb Market Structure," *Sheep and Goat Research Journal* 14(1):14-34, 1998.
- Krueger, A., V. Salin, G.W. Williams, L. Eden, and A. Gray, "Profitability of Geographic Diversification Strategy," *Journal of Food Distribution Research*, 30(1):112-123, 1999.
- Capps, O., Jr., H.A. Love, G.W. Williams, and W.L. Adams, "Examining Packer Choice of Slaughter Cattle Procurement and Pricing Methods," *Agricultural and Resource Economics Review* 28(1):11-25, 1999. (Named "Article of the Year" by the Northeastern Agricultural and Resource Economics Association.)
- Williams, G.W., "Commodity Checkoff Programs as Alternative Producer Investment Opportunities: The Case of Soybeans," *Agribusiness: An International Journal* 15(4): 539-552, 1999.
- Málaga, J.E., G.W. Williams, and S.W. Fuller, "U.S.-Mexico Fresh Vegetable Trade: The Effects of Trade Liberalization and Economic Growth," *Agricultural Economics* 26(1):45-55, 2001.
- Williams, G.W., C.R. Shumway, and H.A. Love, "Returns to Soybean Producers from Investments in Promotion and Research," *Agricultural and Resource Economics Review* 31(1):97-111, 2002.
- Conner, J.R., G.W. Williams, and R.A. Dietrich, "Cattle and the Environment: What's the Beef?" *Western Economic Forum* 2(2):33-7, 2003.
- Williams, G.W., "The North American Free Trade Agreement: Effects on U.S. Agriculture and Trade," *Mexican Journal of Agribusiness* 14:154-196, 2004.
- García Salazar, J.A. and G.W. Williams, "Evaluation of Mexican Trade Policy Effects on the Corn Market," (Evaluación de la política comercial de México respecto al mercado de maíz) *El Trimestre Económico (The Economic Quarterly)* 71(1):169-213, Jan-March 2004 (*El Trimestre Económico*, one of the most prestigious economic journals in Latin America, listed on Web of Science).
- García Salazar, J.A., G.W. Williams, and J. Málaga, "Effects of NAFTA on Tomato Exports from Mexico to the United States," (Efectos del TLCAN sobre las exportaciones de tomate de México a los Estados Unidos) *Revista Fitotécnica Mexicana (Mexican Journal of Plant Science)* 28(4):299-309, 2005.
- Williams, G.W. and O. Capps, Jr., "Measuring the Effectiveness of Checkoff Programs," *Choices* 21:73-78, 2006.
- Williams, G.W., "Technical Change and Agriculture: The U.S. Experience and Implications for Mexico," (El cambio técnico y la agricultura: la experiencia de los Estados Unidos e implicaciones para México) *Mexican Journal of Agribusiness* 20:209-220, 2007.
- Williams, G.W., O. Capps, Jr., and M. A. Palma, "Effectiveness of Marketing Promotion Programs: The Case of Texas Citrus," *HortScience* 43(2):385-392, 2008
- Williams, G.W., D. Bailey, O. Capps, Jr., L.A. Detwiler, H.S. Glimp, T. Hammonds, D.D. Hedley, H.H. Jensen, and D.L. Thomas. *Changes in the Sheep Industry in the United States: Making the Transition from Tradition*. Washington, D.C.: The National Academies Press, 2008.
- Moore, E.D., G.W. Williams, M. A. Palma, and L. Lombardini, "Effectiveness of State-Level Pecan Promotion Programs: The Case of the Texas Pecan Checkoff Program," *HortScience* 44(7):1-7, 2009.

Refereed Publications (continued)

- Málaga, J. and G.W. Williams, "Mexican Agricultural and Food Export Competitiveness," (La competitividad de México en la exportación de productos agrícolas) *Mexican Journal of Agribusiness* 27:295-309, 2010.
- Williams, G.W., O. Capps, Jr., and T. Dang, "Does Lamb Promotion Work?" *Agribusiness: An International Journal* 26(4):536–556, 2010.
- Love, H.A., O. Capps, Jr., and G.W. Williams, "Concentration in Beef Packing and Slaughter Cattle Pricing," *Food Distribution Research Journal* 41(3): 25-41, 2010.
- Williams, G.W. and O. Capps, Jr., "Is the Cotton Checkoff Program Worth the Cost?" *Journal of Cotton Science* 15:106-126, 2011.
- Goldstein, B., L. D'Abramo, G.F. Hartnell, J. Mench, M. Salman, D. Treacy, B.L. Turner II, G.W. Williams, F Wu. *Critical Role of Animal Science Research in Food Security and Sustainability*. Washington, D.C.: The National Academies Press, 2015.
- Capps, O., D.A. Bessler, and G.W. Williams, "The Ramifications of Nearly Going Dark: The Case of Orange Juice Advertising," *Agricultural and Resource Economics Review* 45(1): 68-97, 2016.
- Ghosh, S. and G.W. Williams, "Generic Advertising of U.S. Lamb," *Journal of International Food and Agribusiness Marketing* 28(4): 373–393, 2016.
- Williams, G.W. and J. Luo, "Exchange Rate Policy and Global Supply Chains: The Case of the Chinese Renminbi and Global Soybean and Products Markets," *Applied Economic Perspectives and Policy* 39(1): 177-198, 2017.
- Williams, G.W., O. Capps, Jr., and D. Hanselka, "The National Economic Benefits of Food Imports: The Case of U.S. Imports of Hass Avocados from Mexico," *Journal of International Food and Agribusiness Marketing* 29(2):139-137, 2017.
- Reimer, J., G.W. Williams, R. Dudensing, and H. Kaiser, "Agricultural Export Promotion Programs Create Positive Economic Impacts," *Choices* 32(3), 3rd Quarter, 2017.
(<http://www.choicesmagazine.org/choices-magazine/submitted-articles/agricultural-export-promotion-programs-create-positive-economic-impacts>).
- Williams, G.W., O. Capps, Jr., and D. Hanselka, "U.S. National Economic Contribution of Generic Food and Agricultural Product Advertising," *Journal of International Food and Agribusiness Marketing* 30 (2):191-210, 2018.
- Williams, G.W., "The Overlooked Agricultural Trade Promotion Program of the USDA Trade Aid Packages," *Choices* 34(4): 1-7, 2019.
- Williams, G.W. and O. Capps, Jr., "Generic Promotion of Norwegian Seafood Exports, " *International Food and Agribusiness Management Review* 23(3):447-467, 2020.
- Williams, G.W. and D.P. Anderson, "Growth of the Latin American Livestock Industry: Situation and Challenges," *Choices* 34(4): 1-10, 2020.
http://www.choicesmagazine.org/UserFiles/file/cmsarticle_726.pdf
- Williams, G.W. and O. Capps, Jr., "Generic Promotion of Sorghum for Food and Industrial Uses," *Journal of International Food and Agribusiness Marketing* 32(1):13-29, 2020.
- Williams, G.W. and O. Capps, Jr., "Advertising with Supply Control: Some Implications of Norwegian Whitefish Export Promotion," *Agricultural and Resource Economics Review* 49(3):558-585, 2020.

Refereed Publications (continued)

Williams, G.W. and O. Capps, Jr., "Generic Promotion of Norwegian Whitefish Exports," *Journal of International Food and Agribusiness* 33(2):125-151, 2021.

Manuscripts in Submission to Refereed Journals

"Norwegian Pelagic Fisheries Management and Export Promotion: Conflict and Consequences," submitted to *International Food and Agribusiness Management Review* with O. Capps, Jr.

Invited Papers/Presentations

Williams, G.W. and R.L. Thompson, "The World Soybean Economy and Its Interaction with Brazil and the United States," National Bureau of Economic Research Conference on Commodity Markets, Models, and Policies in Latin America, Lima, Peru, May 11-13, 1978.

Williams, G.W. and G.E. Schuh, "Agricultural Economic and Trade Policy and Industrial Innovation," Invited Paper, 1978 Symposium, Domestic Policy Review of Industrial Innovation, USDA, Wash., D.C., Nov. 1978.

Williams, G.W. and G.E. Schuh, "The U.S. Agricultural Research and Research Delivery System," Invited Paper, Symposium, 1979 Domestic Policy Review of Industrial Innovation, U.S. Department of Agriculture, Washington, D.C., January 19, 1979.

Schuh, G.E. and G.W. Williams, "Green Currencies, Exchange Rates, and Trade in U.S. Agricultural Products," In L.J. Pickrell, ed., *Critical Issues for Agriculture in the 1980's: Domestic Policy, Trade, and Transportation*, Special Report 79, Agricultural Extension Service, University of Minnesota, 1979, pp. 235-243.

Williams, G.W., "Factors Affecting the Volume and Value of U.S. Exports," Invited Testimony to the Legislature of the State of Tennessee, Nashville, Tennessee, June 1981.

Williams, G.W., "Export Expansion and the Role of the Iowa World Trade Center," Invited Testimony for the Iowa Senate Small Business Committee, Des Moines, Iowa, Feb. 28, 1984.

Williams, G.W., "Dependency and Interdependency: Summary of the Conference Group Discussion." R. Talbot, Ed., *Iowa in the World Economy: Dependency and Interdependency*, Conference Proceedings, ISU Press, 1985.

Williams, G.W. and R.L. Thompson, "South American Soybean Industry: Policy Impacts and Issues," *World Soybean Research Conference III: Proceedings*, Boulder, Colo.: Westview Press, 1985.

Williams, G.W., "Importer and Exporter Processing and the Bean-Product Trade Mix," *World Soybean Research Conference III: Proceedings*, Boulder, Colo.: Westview Press, 1985.

Williams, G.W., "The Beef Industries of South Korea and Taiwan and Opportunities for Beef Export Research," International Symposium on Research Opportunities in Beef Export Markets: United States and the Pacific Rim Countries, Tucson, Arizona, November 19-20, 1986.

Williams, G.W., "Economic Growth, Comparative Advantage, and Exports," Agricultural Colloquium, Iowa State university, April 11, 1987.

Otto, D.M. and G.W. Williams, "Value-Added Research as a State Economic Development Strategy," Organized Symposium *Valued-Added Research Investment: Boon or Boondoggle?* Annual Meeting of the AAEA, Michigan State University, August 3-5, 1987.

Williams, G.W., "Generic Advertising in the Absence of Supply Control: Some Comments on Foreign Market Promotion Programs," Organized Symposium on Generic Advertising in the Absence of Supply Control, Annual Meeting of the SAEA, New Orleans, La., February 1-3, 1988.

Invited Papers/Presentations (continued)

- Williams, G.W., "Generic Advertising in the Absence of Supply Control: Some Comments on Foreign Market Promotion Programs," Organized Symposium on Generic Advertising in the Absence of Supply Control, Annual Meeting of the SAEA, New Orleans, La., February 1-3, 1988.
- Williams, G.W. "Is There an Ideal Protein and Oil Composition of a Soybean? An Economist's View," Invited Paper, 1988 National Soybean Breeding/Physiology Workshop, St. Louis, Missouri, February 23, 1988.
- Williams, G.W., "The U.S. Soybean Oil Import tariff: What is Its Effect?" Invited Paper, Annual Meeting of the American Soybean Association, St. Louis, Missouri, May 1988.
- Williams, G.W., "Competition in World Agricultural Markets: What Does the Future Hold?" Invited, World Agricultural Expo, Amana, Iowa, September 7, 1988.
- Williams, G.W., "International Food Distribution Issues: The Case of U.S. Meat Exports," Invited Paper, 29th Annual meeting of the Food Distribution Research Society, Houston, Texas, October 23, 1988.
- Wahl, T.I., D.J. Hayes, and G.W. Williams, "Dynamic Adjustment in the Japanese Livestock Industry under Alternative Beef Imports Policy Regimes," 25th International Conference of the Applied Econometrics Society, Washington, D.C., October 24-25, 1988.
- Williams, G.W., "Global Aspects of World Food Production, Consumption, and Trade," Invited, World Food Day Conference, De Moines, Iowa, May 7, 1989.
- Williams, G.W., "Economic Future of the Pacific Rim and the Implications for Meat Trade," Invited, Annual Meeting of the Texas Cattle Feeder's Association, Fort Worth, Texas, October 4, 1989.
- Williams, G.W., "Toward A Conceptual Framework for Evaluating Export Market Development Programs," Presented at NEC-63 Symposium "Evaluating the Economic Effects of Generic Promotion for Agricultural Exports," Washington, D.C., February 22, 1990.
- Williams, G.W., "U.S.-Mexico Free Trade Agreement: Issues and Implications for U.S. and Texas Agriculture," Annual Meeting of the Texas Grain & Feed Association, San Antonio, May 17, 1990.
- Williams, G.W., "The Value-Adding Process: The Role of the Food Marketing and Policy Process," Invited Paper, Agro-Industrial Revolution Symposium, Invited Paper, Economic Policy Symposium, Federal Reserve Bank of Kansas City, Kansas City, June 25, 1990.
- Williams, G.W. and B.E. Dale, "Prospects for High-Value Crop and Livestock Products in the 1990s: Advances in Processing Technology," *Agricultural Issues in the 1990s: Proceedings*, The World Bank, Wash., D.C., Aug. 1990.
- Williams, G.W. and W.R. Grant, "Trade Distorting Policies in the World Rice Market: Factors for Consideration by GATT," Annual Meeting of the U.S. Rice Federation, Houston Texas, September 20, 1990.
- Williams, G.W. and W.R. Grant, "Food Security and the Multilateral Trade Negotiations: The Case of Japanese Rice," Invited Paper, Food Distribution Research Society, College Park, Maryland, October 6, 1990.
- Capps, Jr., O., R. Kirby, G.W. Williams, and R. Tsai, "Demand Analysis for Meat Products in South Korea and Taiwan: Policy Implications for Trade Liberalization," Invited Paper, S-216 Symposium "Policy Implications for U.S. Agriculture of Changes in Demand for Food," Washington, D.C., October 7-8, 1991.

Invited Papers/Presentations (continued)

- Williams, G.W. and B.K. Schulthies, "Agricultural Labor Effects of a U.S.-Mexico Free Trade Agreement: A U.S. Perspective," Invited Paper, Conference on The Labor Impact of the North American Free Trade Area, Continental Plaza Hotel, Acapulco, Mexico, October 17-18, 1991.
- Williams, G.W., "Assessment of Marketing Strategies to Enhance Returns to Lamb Producers," Invited, Board Meeting, American Sheep Industry Association, Denver, Colorado, December 12, 1991.
- Williams, G.W., "U.S.-Mexico Free Trade Agreement: Consequences and Implications for the Mexican Livestock and Meat Industry," (Delivered in Spanish: "TLC Estados Unidos – México: Consecuencias e Implicaciones para la Ganadería y la Industria de Carne de México), IX Simposium Internacional de Ganadería, Banamex, Sonora, Mexico, May 8, 1992.
- Williams, G.W., "The U.S.-Mexico Free Trade Agreement: Issues and Implications for the U.S. and Texas' Grain, Feed, and Livestock Industry," Nutrition and Quality Control Conference, Texas Grain and Feed Association, Austin, Texas, July 13, 1992.
- Ozuna, T., Jr. and G.W. Williams, "The North-South Issue: The Environment and U.S.-Mexico Agricultural Trade," Presented to Council on Foreign Relations, Environment and Trade Study Group, Austin, Texas, Jan. 14, 1993.
- Ozuna, T., Jr. and G.W. Williams, "The North-South Issue: The Environment and U.S.-Mexico Agricultural Trade," Presented to Council on Foreign Relations, Environment and Trade Study Group, Austin, Texas, Jan. 14, 1993
- Williams, G.W. and C.P. Rosson III, "International Price and Macroeconomic Data Issues," Organized Symposium, *U.S. and International Trade Data: Alternative Sources and Appropriate Uses*, Annual Meeting of the AAEA, Orlando, Florida, August 2, 1993.
- Williams, G.W., "The Economics of Component Pricing of Soybeans," Workshop for Component Pricing of Soybeans," Champaign/Urbana, September 1-2, 1993.
- Williams, G.W., "Prospects for U.S.-Mexico Agricultural Trade Under a Free Trade Agreement: A U.S. Perspective," Presented at IV International Meeting of Agricultural Economics Researchers, Universidad Autónoma de Tamaulipas, Ciudad Victoria, Tamaulipas, México, September 29-30, 1993.
- Williams, G.W., "Agricultural Trade and the Developing World," Presented at Third CERES Conference, Ritz-Carlton Tyson's Corner, McLean, Virginia, October 4, 1993.
- Williams, G.W., "NAFTA and Cottonseed Product Markets: Increased Exports or Lost Production and Processing?" 1995 Oilseed Conference, New Orleans, Louisiana, March 12-14, 1995 (Published as "Mexican Recovery a Key to NAFTA," *Inform* 6(5): 522-554, May 1995.)
- Williams, G.W., "Technical Change and Agriculture: Experience of the United States and Implications for Mexico," Presented at Conferencia de Innovación Tecnológica en la Agricultura y la Agroindustria (Conference on Technological Innovation in Agriculture and Agribusiness), Auton. National University of Mexico, Mexico City, May 31 - June 2, 1995.
- García-Vega, J. and G.W. Williams, "Analysis of the Liberalization of Mexican Livestock, Meat, and Feedgrain Markets," Proceedings of the W-177 Regional Research Project Conference on Consumer Issues in Domestic and International Beef Marketing, Las Vegas, Nevada, January 8-9, 1996.
- Waller, M.L. and G.W. Williams, "Economic Impact of Aflatoxins," Aflatoxin Seminar sponsored by the Food Protein Research and Development Center and the Texas State Chemist, Texas A&M University, College Station, Texas, May 7-8, 1996.

Invited Papers/Presentations (continued)

- Williams, G.W. "Potential Impacts of Soydiesel on Domestic and World Soybean Markets," Invited, Annual meeting of the American Soybean Association, Chicago, Illinois, July 23, 1996.
- García-Vega, J. and G.W. Williams, "Liberalized Trade and the Mexican Livestock, Meat, and Feedgrain Industries, NAFTA and Agriculture: A Trinational Research Symposium, San Antonio Texas, November 1 and 2, 1996.
- Williams, G.W. and J. García-Vega, "Liberalized Trade and the Mexican Livestock, Meat, and Feed Industry," Latin Am. Studies Assn., XX Int. Congress "Latin America Towards the Fin de Siècle," Guadalajara, MX, April 1997.
- Málaga, J.E. and G.W. Williams, "Production Technology and U.S.-Mexico Agricultural Trade: The Case of Fresh Vegetables," Latin American Studies Association, XX International Congress "Latin America Towards the Fin de Siècle," Guadalajara, Mexico, April 1997.
- Williams, G.W., "El TLCAN y la Agricultura de Estados Unidos: ¿Aumento en las exportaciones o pérdidas en la producción y el procesamiento?" Invited Paper, XVII Symposium Internacional de Agronomía "México: Ventana de Oportunidades," El Instituto Tecnológico y de Estudios Superiores de Monterrey (Monterrey Tech), Campus Querétaro, Querétaro, Mexico, September 25, 1997.
- Williams, G.W., "El TLCAN y la Agricultura Mexicana: ¿Aumento en las importaciones o en la producción y el procesamiento?" Invited Paper, Programa Exporta, El Instituto Tecnológico y de Estudios Superiores de Monterrey (Monterrey Tech), Campus Querétaro, Querétaro, Mexico, September 26, 1997.
- Málaga, J.E., G.W. Williams, and S.W. Fuller, "Key Factors Affecting U.S.-Mexico Fresh Vegetable Trade: A Forecast Simulation Analysis," 11th Biennial Symposium of the Assoc. of Research Directors, 1890 Land Grant Universities: "1890 Research: Partnerships for a Sustainable Future," San Antonio, Texas, October 1997.
- Williams, G.W., "Comments on Selected Papers," Agricultural Trade and Policy Analysis Session, AAEA annual meetings, Salt Lake City, Utah, August 3, 1998.
- Williams, G.W., "NAFTA: The Agricultural Dimension," Seminar on Agrifood Strategies for MERCOSUR, Federal University of Pelotas, Pelotas, Brazil, August 28, 1998.
- Williams, G.W., "Internet-based Information Technology to Support Decision-making in the Livestock and Food Industry," W-177 Regional Research Project Conference, Salt Lake City, Utah. January 8, 1999.
- Williams, G.W., "Commodity Checkoff Programs as Alternative Producer Investment Opportunities: The Case of Soybeans," NEC-63 Symposium *Checkoff Promotion Response Measurement: Improving the Science and Setting the Priorities*, Washington, D.C. March 29, 1999.
- Williams, G.W., "Modeling International Agricultural Markets," VII Seminar on Applied Statistics, Inter-American Statistics, Quito, Ecuador, July 23, 1999.
- Williams, G.W., "NAFTA: A Progress Report," Crop Insurance Conference at the Annual Convention of the National Association of Mutual Insurance Companies, San Antonio Texas, September, 21, 1999.
- Williams, G.W., "Modeling International Agricultural Trade: The Case of Soybeans" ("Modelización de Mercados Agropecuarios Internacionales: El Caso de Soya"), CIESTAAM International Scholar Seminar, Autonomous University of Chapingo, Texcoco, Mexico, September 22, 1999.

Invited Papers/Presentations (continued)

- Williams, G.W., J.E. Málaga, and F. Adcock, "Economic Turmoil and Trade Liberalization in South America, "Organized Symposium *Economic Turmoil and Trade Liberalization in Latin America: Implications and Issues for U.S. Agriculture*, Annual Meeting of the AAEA, Tampa Bay, Florida, July 31, 2000.
- Williams, G.W., "Checkoff Program Evaluation: Why, What, How, When, and Who?" Propane Education and Research Council Meeting, Washington, D.C., September 19, 2000.
- Williams, G.W., "Commodity Checkoff Program Evaluation: Practical Issues for Communicating Results, NEC-63 Commodity Promotion Research Committee Conference on *Policy and Distributional Issues in Agricultural Promotion Programs*, Washington, D.C., March 22, 2001.
- Williams, G.W., "NAFTA and Agriculture: Implications for Changes in U.S. Farm Policy," *The 2002 Farm Bill: Issues and Alternatives*, Invited paper, Conference sponsored by the Center for Agricultural Policy and Trade Studies and the Farm Foundation, North Dakota State University, Fargo, North Dakota, October 29-30, 2001.
- Williams, G.W., "Agribusiness Education in the 21st Century," Univ. Centroamericana, Managua, Nicaragua, Sept. 25, 2002.
- Williams, G.W., "The Why and How of ROI," Marketing Order Management Conference, Sponsored by the Agricultural Marketing Service, U.S. Department of Agriculture, San Antonio, Texas, September 29, 2004.
- Williams, G.W. and O. Capps, Jr., "Evaluating the Effectiveness of Lamb Promotion," American Lamb Board Annual Meeting, Reno, Nevada, January 25, 2005.
- Williams, G.W. and O. Capps, Jr., "Lamb Consumer Profile," American Lamb Board Annual Meeting, Phoenix, Arizona, January 26, 2006.
- Williams, G.W. and O. Capps, Jr., "Overview: Commodity Checkoff Programs," *Choices* 21(2):53-54, 2006.
- Williams, G.W., "Interpreting and Communicating Checkoff Program Evaluation Results," NEC-63 Commodity Promotion Evaluation Workshop on Quantitative Evaluation of Advertising and Promotion Programs, Monterey, California, March 9, 2006.
- Capps, O., Jr. and G.W. Williams, "The Economic Effectiveness of the Cotton Checkoff Program," Invited, Cotton, Board Meeting, Memphis, TN, September 2006.
- Williams, G.W., "Household Level Lamb Consumption Patterns," American Lamb Board Annual Meetings, San Antonio, TX, January 24, 2007.
- Capps, O., Jr. and G.W. Williams, "Effectiveness of Marketing Order 906 in Promoting Sales of Texas Grapefruit and Oranges," Invited, Texas Valley Citrus Committee, Mission, Texas, February 21, 2007.
- Williams, G.W. and O. Capps, Jr., "Lamb Promotion and Lamb Consumer Profiles," American Lamb Board Annual Meetings, Las Vegas, NV, January 2008.
- Williams, G.W., "U.S.-Mexico Agroindustrial Trade and Future Opportunities," Universidad Juárez Autónoma de Tabasco, Villa Hermosa, Tabasco, Mexico, May 19, 2008.
- Williams, G.W., "Changes in the Sheep Industry in the United States: Making the Transition from Tradition," Small Ruminant Symposium, Annual Mtg of the American Society of Animal Science, Indianapolis, IN, July 8, 2008.
- Williams, G.W., "Is the Texas Pecan Checkoff Program Working?" Annual Meeting of the Texas Pecan Growers Association and the Texas Pecan Board, Houston, Texas, July 14, 2008.

Invited Papers/Presentations (continued)

- Williams, G.W., “Changes in the Sheep Industry in the United States: Making the Transition from Tradition,” American Lamb Board Meeting, Denver, Colorado, October 2, 2008.
- Williams, G.W., “Is Lamb Promotion Still Working?” American Lamb Board Mtg, Denver, CO, October 2, 2008.
- Williams, G.W., “Changes in the Sheep Industry in the United States: Making the Transition from Tradition,” Annual Meetings of the American Sheep Industry Association, San Diego, CA, January 23, 2009.
- Williams, G.W., “Is Lamb Promotion Still Working?” Annual Meetings of the American Sheep Industry Association, San Diego, CA, January 23, 2009.
- Williams, G.W., “Is the Soybean Checkoff Program Working?” United Soybean Board Mtg, Charleston, SC, February 19, 2009.
- Williams, G.W., “Return on Investment Study,” USB/QSSB Partnership Workshop, St. Louis, Missouri, June 1, 2009.
- Williams, G.W., O. Capps, Jr., and T. Dang, “Effectiveness of Promotion on Lamb Demand and Imports,” American Sheep Industry Association and American Lamb Board Annual Meetings, Nashville, Tennessee, January 22, 2010.
- Shiflett, J.S., G.W. Williams, and P. Rodgers, “Nontraditional Lamb Market in the United States: Characteristics and Marketing Strategies,” American Sheep Industry Association and American Lamb Board Annual Meetings, Nashville, Tennessee, January 22, 2010.
- Williams, G.W., “Economic Contribution of Animal Agriculture to the U.S. Economy,” Animal Production Workshop, Committee on The Role of Animal Agriculture in a Sustainable 21st Century Global Food System, National Research Council, The National Academies, Washington, D.C., November 2010.
- Williams, G.W. and O. Capps, “Ethnic Lamb Buying and Preparation Behavior and Preferences,” American Sheep Industry Assn and American Lamb Board Annual Meetings, Reno, Nevada, January 20 and 21, 2011.
- Capps, O., Jr. and G.W. Williams, “Effectiveness of the Lamb Promotion, Research, and Information Order,” American Sheep Industry Assn and American Lamb Board Annual Meetings, Reno, Nevada, January 20, 2011.
- Williams, G.W., O. Capps, Jr., D. Hudson, S. Pan, J. Robinson, “Cotton Research and Promotion Program: Economic Effectiveness Study,” Cotton Board Meetings, La Jolla, California, February 28, 2011.
- Willett, W., G.W. Williams, B. Popkin, D. Ludwig, “Reforming the 2012 Farm Bill: Subsidies, Food Assistance, and America’s Health,” The Forum at Harvard School of Public Health, October 20, 2011. Webcast: <http://www.hsph.harvard.edu/forum/farm-bill-2012-reform.cfm>
- Williams, G., “Economic Aspects of Animal Agriculture,” Animal Production Workshop, Committee on the Role of Animal Agriculture in a Sustainable 21st Century Global Food System, The National Academies (National Research Council), Washington, D.C., November 9-10, 2011.
- Williams, G.W., “International Market Promotion Effectiveness of the Soybean Checkoff Program,” Presentation to the U.S. Soybean Export Council, St. Louis, Mo., Feb. 24, 2012.
- Williams, G.W., “The Chinese Soybean Industry: A Success Story?” 4th CAER-IFPRI Annual International Conference, *Transforming China’s Agricultural and Rural Sector: Challenges and Solutions*, China Agricultural University, Beijing, P.R. China, October 18-19, 2012.

Invited Papers/Presentations (continued)

- Williams, G.W., “Soybean Checkoff Return on Investment Analysis Update, 1980/81-2012/13,” Presentation to Audit and Evaluation Committee Meeting, United Soybean Board, Newport, RI, August 21-23, 2013.
- Williams, G.W. “Returns to Stakeholders from American Lamb Checkoff Program: A Supply Chain Analysis,” American Lamb Board meetings, Denver. Colorado, June 2014.
- Williams, G.W. and D.P. Anderson, “Global Demand for Small Ruminant Products,” Invited Paper, *Small Ruminant Symposium: Sustainable Small Ruminant Production Strategies to Meet Global Demands*, Joint Annual Meeting of the American Association of Animal Science, American Association of Dairy Science, and Canadian Society of Animal Science, Kansas City, Mo., July 2014. (Abstract published in J. Anim. Sci Vol. 92, E-Suppl., p. 2/J. Dairy Sci. Vol. 97, E-Suppl. 1, p. 371.)
- Williams, G.W. “The Return to Soybean Checkoff Investments,” United Soybean Board Meetings, Hershey Pennsylvania, July 2014.
- Williams, G.W. and J.M. Welch, “Economic Analysis of the Potential Returns from an Enhanced Wheat Checkoff Program,” Joint Meeting of the National Wheat Foundation, the National Association of Wheat Growers, and the Wheat Alliance, Santa Ana Pueblo, New Mexico, October 30-31, 2014.
- Welch, J.M and G.W. Williams, “Competitiveness of U.S. Wheat: The Role of Productivity. 2015 Fall Conference of the National Association of Wheat Growers and U.S. Wheat Associates, Incline Village, Nevada, Nov. 5-6, 2015.
- Williams G.W., J.J. Reimer, R.M. Dudensing, and J. Somers, “Cost-Benefit Analysis of USDA’s Market Development Program,” Meeting of U.S. Wheat Associates, USA Poultry & Egg Export Council, Pear Bureau Northwest, and the USDA Foreign Agriculture Service, Washington D.C., February 29, 2016.
- Williams G.W., “Economic Impact of USDA Market Development Programs,” U.S. Agricultural Export Development Council Attaché Seminar, Westin Arlington Gateway Hotel, Arlington, VA, July 14, 2016.
- Williams, G.W. and D.P. Anderson, “Profitability of Small Ruminant Production Systems,” *Small Ruminant Symposium: Enhancing Small Ruminant Profitability*, Joint Annual Meeting of the American Association of Animal Science, American Dairy Science Association, Canadian Society of Animal Science, and the Western Section of the American Society of Animal Science, Salt Lake City, Utah., July 20, 2016. (Abstract published in J. Animal Science Vol. 94, E-Suppl. 5, p. 2/J. Dairy Sci. Vol. 99, E-Suppl. 1, p. 827.) (<http://www.jtmtg.org/JAM/2016/abstracts/827.pdf>).
- Williams G.W., “Economic Impact of USDA Market Development Programs,” 56th Board of Delegates Meeting, U.S. Grains Council, Louisville, Kentucky, July 25, 2016.
- Williams, G.W. and O. Capps, Jr., “The U.S. National and State-Level Benefits of Avocado Imports from Mexico,” Mexican Hass Avocado Import Association (MHAIA) Board Meeting, Dallas, Texas, September 14, 2016.
- Williams, G.W., “The Next Farm Bill: International Market Development,” Testimony before Subcommittee on Livestock and Foreign Agriculture, U.S. House of Representatives Committee on Agriculture, Feb. 28, 2017.
- Williams, G.W. and O. Capps, Jr., “How Effectively Does the Norwegian Seafood Council Promote Norwegian Seafood Exports?” Presentation to the Board of the Norwegian Seafood Council, Tromso, Norway, June 1, 2017.

Invited Papers/Presentations (continued)

- Capps, O. and G.W. Williams, "Forecasts of Hass Avocado Shipments from Mexico By Size, November 2016 - October 2017," Board Meeting of the Asociación de Productores y Empacadores de Aguacate (APEAM, A.C.) and the Mexican Hass Avocado Import Association (MHAIA), Dallas, Texas, October 2017.
- Williams, G.W., "Comments on the Presentations in the LA Track Session 'Performance and Challenges for U.S. Free-Trade Agreements with Latin America: Do These Accords Need Improvements?'" AAEA annual meetings, Chicago, IL, August 1, 2017.
- Capps, O., Jr., and G.W. Williams, "Producer Return on Investments in Sorghum Research, Promotion, and Information: An Updated Analysis," Board meeting of the United Sorghum Checkoff Program, Lubbock Texas, Dec. 13, 2017.
- Williams, G.W., "Commodity Checkoff Program ROI Measurement," Invited presentation to the Illinois Soybean Association, Chicago, Illinois, May 21, 2018.
- Williams, G.W. and Capps, "2018 Update: How Effectively Does the Norwegian Seafood Council Promote Norwegian Seafood Exports?" Presentation via Skype to the Norwegian Seafood Export Council, Tromso, Norway, June 7, 2018.
- Williams, G.W. and Capps, "How Effectively Does the Norwegian Seafood Council Promote Norwegian Whitefish Exports?" Presentation via Skype to the Norwegian Seafood Export Council, Tromso, Norway, June 7, 2018.
- Williams, G.W., "U.S. Agricultural Policy and Economic Development," Invited presentation at Kangwon National University, Chuncheon, the Republic of Korea, July 2018.
- Williams, G.W., "The Benefits of U.S. Imports of Mexican Avocados," AAEA Post-conference Workshop on "The Convergence of Policy Issues in Produce Research: Labor/mechanization, NAFTA, and the Food Safety Modernization Act," Washington, D.C., August 8, 2018.
- Williams, G.W., "The Effects of the Importation of Mexican Avocados on the U.S. Economy" ("*El impacto de las importaciones de aguacate mexicano en la economía de los EEUU*"), Keynote speech at the 6th National Congress on the Agricultural Economy and Natural Resources and the 1st National Congress on the Economic Environment of the Northeast (*6º Congreso Nacional de la Economía Agrícola y de los Recursos Naturales y 1er Congreso de Economía Ambiental del Noroeste*), sponsored by the Division of Economic and Administrative Sciences (DICEA) at the Autonomous University of Chapingo (UACH), the Autonomous University of Southern Baja California (UABCS), and the Economics Program of the Postgraduate College (Texcoco), Texcoco, Mexico, November 15-16, 2018.
- Williams, G.W. and D. Hanselka, "2018 Update: The U.S. National and State-level Economic Benefits of Avocado Imports from Mexico," Invited presentation to the Board of *Avocados from Mexico*, Las Colinas, Texas, September 18, 2018.
- Capps Jr., O. and G.W. Williams, "Forecasts of Hass Avocado Shipments from Mexico By Size, November 2018- February 2019," Board Meeting of the Asociación de Productores y Empacadores de Aguacate (APEAM, A.C.) and the Mexican Hass Avocado Import Association (MHAIA), Dallas, Texas, February 12-13, 2019.
- Williams, G.W. and O. Capps, Jr., "How Effectively Does the Norwegian Seafood Council Promote Norwegian Pelagic Exports?" Presentations to the Norwegian Seafood Council, Norwegian Producer groups, and the Norwegian Government in Bergen and Oslo, Norway, June 17-19, 2019.

Invited Papers/Presentations (continued)

Williams, G.W., "Latin American Livestock Industry: Situation and Challenges" ("*La industria de ganado en latinoamérica: La situación y los retos*"), Keynote speech at the 7th Congress on the Agricultural Economy and Natural Resources and the 1st National Congress on Climate Change (7^o Congreso de Economía Agrícola y de los Recursos Naturales y 1er Congreso sobre Cambio Climático, Adaptación y Resiliencia del Noreste de México), sponsored by the Division of Economic and Administrative Sciences (DICEA) at the Autonomous University of Chapingo (UACH), the Autonomous University of Southern Baja California (UABCS), and the Economics Program of the Postgraduate College (Texcoco), Texcoco, Mexico, November 28-29, 2019.

Williams, G.W., "Economic Effect of Texas Beef Council's Checkoff Promotions," Presentation to the Beef Promotion Research Council of Texas and the Texas Beef Council, Austin, Texas, February 19, 2020.

Williams, G.W., "The Agribusiness, Food and Consumer Economics Research Center: Applied Research to Support Decision-Making," Invited Presentation to Agricultural Economics Graduate Student Association, Department of Agricultural and Applied Economics, Texas Tech University, Lubbock, Texas, March 6, 2020.

Williams, G.W., "The Economic Benefits of U.S. Avocado Imports from Mexico," Presentation to the Board of Avocados from Mexico (Zoom), Fort Worth, Texas, September 15, 2020.

Contributed/Selected Papers (Published in Abstracts, Proceedings, etc.)

Williams, G.W. and R.L. Thompson, "Estimating the Influence of External Forces on the Domestic Market: An Alternative Approach," Annual Meetings of the AAEA, Virginia Polytechnic Institute, August 1978.

Williams, G.W. and G.E. Schuh, "Food Aid and Induced Technical Change," Annual Meetings of the AAEA, University of Illinois at Champaign-Urbana, July 27-30, 1980.

Williams, G.W. and L.H. Myers, "The Economic Effectiveness of Foreign Market Development Programs: The Case of Soybeans and Soybean Products," Annual Mtgs of the AAEA, Utah State Univ., August 1-14, 1982.

Denbaly, M.S. M. and G.W. Williams, "The U.S. Exchange Rate, Money Supply, and Agricultural Trade: Effects on the World Feed Grain Market," XIX International Conference of Agricultural Economics, Malaga, Spain, August 26-September 4, 1985 (published in Spain in *Revista de Estudios Agro-Sociales*, September 1986).

Wahl, T.I. and G.W. Williams, "The Impact of Japanese Beef Import Quota Concessions: A Forecast Simulation Analysis," NCR-134 Conf. on Applied Commodity Price Analysis, Forecasting, and Market Risk Management, Chicago, Illinois, April 22-23, 1987.

Richey, B.G., Jr. and G.W. Williams, "The Effects of Component Pricing on the U.S. Soybean Industry: A Dynamic Simulation Analysis," Annual Meeting of the AAEA, Michigan State University, August 3-5, 1987.

Wahl, T.I., D.J. Hayes, and G.W. Williams, "Forecasting Changes in the Structure of Japanese Meat Demand Under Alternative Beef Import Policy Scenarios," NCR-134 Conference on Applied Commodity Price Analysis, Forecasting, and Market Risk Management, St. Louis, Missouri, April 26-27, 1988.

Wahl, T.I., D.J. Hayes, and G.W. Williams, "Japanese Beef Policy and GATT Negotiations: An Analysis of Reducing Assistance to Beef Producers," XX Int'l Conf. of Ag. Economists, Buenos Aires, Arg., Aug. 1988.

Contributed/Selected Papers (continued)

- Wahl, T.I., G.W. Williams, and D.J. Hayes, "Japanese Beef Import Policy: Implications of a Reduction in the Producer Subsidy Equivalent," AAEA Annual Mtg, Knoxville, Tennessee, July 31-August 3, 1988.
- Goodwin, H.L., Jr. and G.W. Williams, "Consumer Behavior and Preference: Implications for the Honey Industry," Annual Meeting of the Food Distribution Research Society, Albuquerque, New Mexico, November 5-8, 1989.
- Capps, Jr., O., R. Kirby, R. Tsai, and G.W. Williams, "Demand for Meat Products in the Pacific Rim Region," AAEA Annual Meeting, Manhattan, Kansas, August 4-7, 1991.
- Capps, Jr. O., P.J. Byrne, and G.W. Williams, "Analysis of Marketing Margins in the U.S. Lamb Industry," AAEA Annual Meeting, Baltimore, Maryland, July 1992.
- Nichols, J.P., T.O. Ozuna, Jr., and G.W. Williams, "Evaluating Value-Added Opportunities in Food Processing," *Proceedings of Symposium III: Managing in a Global Economy*, International Agribusiness Management Association, San Francisco, California, May 1993.
- Byrne, P.J., R. Tsai, O. Capps, Jr., G.W. Williams, "Policy Implications of Trade Liberalization: The Case of Meat Products in South Korea and Taiwan," *Proceedings: Int'l Agribusiness Management Assn. Symposium*, 1994.
- Málaga, J.E., G.W. Williams, and S.W. Fuller, "Effects of NAFTA and Other Exogenous Factors on the U.S.-Mexico Fresh Vegetable Trade: A Simulation Analysis," *NAFTA and Agriculture: A Trinational Research Symposium*, San Antonio Texas, November 1996.
- Málaga J.E., G.W. Williams, and S.W. Fuller, "Forecasting U.S.-Mexico Fresh Vegetable Trade under Alternative Scenarios: A Simulation Analysis," AAEA Annual Meeting, Toronto, Canada, July 1997.
- Málaga J.E., G.W. Williams, and S.W. Fuller, "U.S.-Mexico Fresh Vegetable Trade: Policy Intervention and Technological Change," XXIII International Conference of Ag. Economists (IAAE), Sacramento, CA, Aug. 1997.
- Krueger, A., V. Salin, G.W. Williams, and L. Eden, "Geographic Diversification Strategy: An Application to the California - Chile Table Grape Market," International Food and Agribusiness Management Assn., World Food and Agribusiness Congress, June 30-July 2, 1998, Punta del Este, Uruguay.
- Krueger, A., V. Salin, G.W. Williams, L. Eden, and A. Gray, "Profitability of Geographic Diversification Strategy," Food Distribution Research Society Conference, Oct. 28, 1998, Monterrey, California.
- Málaga, J.E. and G.W. Williams, "Demand Systems and Fresh Vegetables: An Application of the Barten Approach," SAEA Annual Meeting, Memphis, Tennessee, January 1999.
- Segarra, E. U.D. De La Torre, J. Málaga, G.W. Williams, "Social Welfare and Environmental Degradation in Agriculture: The Case of Ecuador," Annual Meeting of the International Association of Agricultural Economists, Durban, South Africa, August 16-22, 2003.
- Lee, S.H. and G.W. Williams, "An Overview of World Soybean Markets and the Implications for Korea," Joint Economics Conference of Korea, Yonsei University, Seoul, Korea, February 24-25, 2015.
- Ghosh, S. and G.W. Williams, "Generic Advertising of U.S. Lamb: A Supply Chain Analysis," International Food Marketing Research Symposium, Mediterranean Agronomic Institute of Chania, Crete, Greece, June 18-19, 2015.

Contributed/Selected Papers (continued)

- Lee, S.H. and G.W. Williams, "Effects of Typical Assumptions on the Measurement of the Upstream Transmission of Checkoff Program Benefits," Selected Poster, AAEA Annual Meeting, San Francisco, CA, July 27, 2015.
- Ghosh, S. and G.W. Williams, "Returns to Stakeholders from the American Lamb Checkoff Program: A Supply Chain Analysis," Selected Paper, AAEA Annual Meeting, San Francisco, CA, July 27, 2015.
- Luo, J. and G.W. Williams, "The Impacts of Chinese Exchange Rate Policy on World Soybean and Products Markets," Selected Paper, AAEA Annual Meeting, San Francisco, CA, July 28, 2015.
- Williams, G.W. and J.M. Welch, "An Economic Analysis of the Potential Returns from a Future National Wheat Checkoff Program," Selected Paper, Southern Agricultural Economics Association Annual Meeting, San Antonio, Texas, February 8, 2016.
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Williams, G.W. "Economic Structure of the Brazilian Soybean Industry: A Prototype Model," M.S. Thesis, Purdue University, December 1977.

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RESEARCH CONTRACTS /FUNDING, 1988-2021

Abbreviated Project Title	Funding Agency	Duration	Amount*
Avocado Imports and U.S. Avocado Industry	Mex. Hass Avocado Imp. Assn	2020/21	\$ 20,000
Cotton Promotion Effectiveness Study	Cotton Board	2020/21	70,000
Economic Evaluation of Pecan Promotion	American Pecan Council	2020/21	50,000
Effectiveness of Texas Beef Council Promotion	Texas Beef Council	2019/20	20,000
Economic Benefits of Mex. Avocado Imports	Mex. Hass Avocado Imp. Ass.	2020	22,500
Market Impacts of ULG Cottonseed	Cotton, Inc.	2019/20	20,500
Pecan Industry Baseline Model	American Pecan Council	2018/19	25,000
ROI to Lamb Checkoff Program: Update	American Lamb Board	2018/19	20,000
Economic Benefits of Mex. Avocado Imports	Mex. Hass Avocado Imp. Ass.	2018	20,000
Fostering Partnerships with TX Agribusiness	AGLS	2017/18	45,000
Fluid Milk Generic Promotion	MilkPEP and DMI	2017-2021	~300,000
Sorghum Checkoff ROI: Update.	United Sorghum Checkoff	2016/17	25,000
Identifying Econ. Impact of Ag. Promo. Groups	Fresh Approach, Inc.	2016-17	22,000
Forecasts of Mex. Hass Avocado Shipments	Mex. Hass Avocado Imp. Ass.	2016-17	50,000
ROI in the Promotion of Norwegian Seafood	Norwegian Seafood Council	2016-19	300,000
Economic Benefits of Avocado Imports: Update	Mex. Hass Avocado Imp. Ass.	2016	25,000

Research and Contracts Funding, 1988-2021 (continued)

Abbreviated Project Title	Funding Agency	Duration	Amount*
Soybean Checkoff Expenditure ROI Data	United Soybean Board	2015/16	150,000
Cotton Research/Promo Program Effectiveness	Cotton Board	2015/16	75,000
Cost-Benefit Anal. USDA Market Dev. Programs	US Wheat Associates/USDA	2015/16	75,000
Competitiveness of U.S. Wheat	Nat. Assoc. of Wheat Growers	2015	5,000
Effectiveness of Soybean Exp. Promotion: Update	US Soybean Export Council	2014	40,000
Potential Returns to a Nat. Wheat Checkoff	Nat. Assoc. of Wheat Growers	2014	20,000
Economic Benefits of Mex. Avocado Imports	Mex. Hass Avocado Imp. Assn.	2014	25,000
Stakeholder Returns from Lamb Checkoff	American Lamb Board	2013/14	30,000
Potential Returns to a National Wheat Checkoff	Nat. Assoc. of Wheat Growers	2014	20,000
Economic Benefits of Mex. Avocado Imports	Mex. Hass Avocado Imp. Ass.	2014	25,000
Fluid Milk Generic Promotion	MilkPEP and DMI	2012-2016	~250,000
Soybean Checkoff ROI	United Soybean Board	2012/14	180,000
Sorghum Checkoff ROI	United Sorghum Checkoff	2012/13	75,000
Effectiveness of Soybean Export Promotion	US Soybean Export Council	2011/12	16,000
Entry Strategy for Namibian Devil's Claw	FAS/USDA	2011/12	45,041
On-line Soybean Checkoff Expenditure System	United Soybean Board	2010-14	100,000
Cotton Research and Promotion Program	Cotton Board	2010/11	160,000
Ethnic Lamb Consumer Traits/Preferences	American Lamb Board	2010/11	40,000
Funding the Future Surface Transport System	Soy Transportation Coalition	2010	136,516
Soyoil Market Effects of Biodiesel Demand	United Soybean Board	2010	1,000
Ethnic Markets for Lamb in the U.S.	American Lamb Board	2009/10	12,000
Lamb Checkoff Analysis Update	American Lamb Board	2009/10	5,000
Soybean Checkoff ROI Evaluation	United Soybean Board	2008/09	120,000
Lamb Checkoff ROI Update	American Lamb Board	2008	5,000
Determinants of Texas Pecan Prices	Tx Pecan Board	2007/08	22,600
Economic Effectiveness of Tx Citrus Promotion	Tx Valley Citrus Comm.	2006/07	25,000
Lamb Consumer Profiles	American Lamb Board	2006/07	32,000
Econ. Evaluation of a Direct Verifiable Program	Almond Board of California	2006/07	15,485
Economic Effectiveness of Cotton Checkoff	National Cotton Council	2005/06	40,000
Mexican Agricultural Export Competitiveness	World Bank	2005/06	10,200
Econ. Analysis of Water for Ag. in Wash. State	American Rivers	2005/06	25,000
Markets for Corn Distiller's Dried Grains	National Corn Growers Assn	2005	15,000
Effectiveness of Lamb Advert. and Promotion	American Lamb Board	2004/05	40,000
Effectiveness of Orange Juice Advertising	Florida Dept. of Citrus	2002/03	190,000

Research and Contracts Funding, 1988-2021 (continued)

Abbreviated Project Title	Funding Agency	Duration	Amount*
Propane Checkoff Evaluation	Propane Ed. & Res. Council	2001/02	46,936
International Masters of Agribusiness Program	Int'l Univ. of Ecuador	2000/04	37,500
Content for WorldMerc e-Commerce System	WorldMerc, Inc.	2000/01	54,790
Mexican Fresh Fruit and Veg. Distribution	AMS (USDA)	1999	9,927
US Cattle/Beef Industry and the Environment	World Wildlife Fund	1999/00	22,000
Mexican Rice Market	U.S. Rice Producer's Assn.	1999/00	98,625
Ecuador Info. System and Ag. Census Project	World Bank/Ecuador MOA	1999/04	2,649,431
Chain Stores and Mexican Fresh Fruits & Veggies.	AMS (USDA)	1998/99	24,046
AGROINFO Agricultural Information System	TAES, IICA (FRDP)	1997/99	100,000
Caribbean Association Communication System	IICA (Caribbean)	1997/98	9,000
Priorities for Market Development Investment	United Soybean Board	1996/97	14,000
Livestock Info. Network Dev. for Americas	SR-CRSP (U.S. AID)	1996/97	132,167
Internet Information System	United Soybean Board	1996/97	120,000
Effectiveness of Cottonseed Oil Promotion	Nat'l Cottonseed Prods Assn.	1996/97	5,000
Macroeconomic Adversity in Mexico	C. for Study of W. Hem. Trade	1996/97	16,000
The Mexican Livestock Industry	Houston Livestck Show/Rodeo	1996/97	2,000
Soybean Checkoff ROI	United Soybean Board	1996/98	140,000
Natural Res.Impacts on U.S.-Mex. Ag. Trade	C. for Study of W. Hem. Trade	1996/97	30,000
Tri-National NAFTA Symposium	C. for Study of W. Hem. Trade	1996/97	40,000
NAFTA and U.S. and Mex. Veg. Industries	C. for Study of W. Hem. Trade	1996/97	30,000
STRATSOY	United Soybean Board	1995/96	10,000
Effects of NAFTA on U.S.-Mex. Veg. Trade	Res. Enhancement Program	1995/96	10,000
NAFTA and U.S. and Mexican Agric. Sectors	C. for Study of W. Hem. Trade	1995/96	30,000
NAFTA and NA Beef Fab., Packaging, Trade	National Research Initiative	1994/95	14,000
Pacific Rim Market and U.S. Beef Industry	Res. Enhancement Program	1992-1994	47,670
Soydiesel and Soybean Markets	American Soybean Assn.	1992/93	38,252
Price Determination Slaughter Cattle	USDA/Packers & Stockyards	1992/96	124,690
Pecan Market Study	Texas Pecan Producers Assoc.	1992/93	2,000
Lamb Marketing Study	American Sheep Industry Assn.	1991/92	90,000
U.S. Market for Aromatic Rice Varieties	Rice Council/TDA/TAES	1990/91	143,600
World Rice Policies and the U.S. Rice Market	USA Rice Coun./Miller's Assn.	1990/91	42,800
Use of Cottonseed Meal in Animal Feed Rations	Nat'l Cottonseed Prod. Assn.	1990/91	13,000
Nat'l Conf. on Intl. Cattle and Beef Exporting	USMEF/TBIC/NCA/SWMA	1989/90	110,000
Intern'l Beef Market Effects on Tx Cattle/Beef	Expanded Res. Area, TAMU	1989/91	61,000

Research and Contracts Funding, 1988-2020 (continued)

Abbreviated Project Title	Funding Agency	Duration	Amount*
Competitiveness of Texas Food Processing	Expanded Res., TAMU	1989/91	60,000
Texas Market for Imported Honey	BeeMaid Honey	1989/90	11,000
Retail Meat Market Expansion	Loggins Meat Co.	1989/90	6,500
SOYMOD	ASA/United Soybean Board	1988/95	93,835

GRAND TOTAL**\$7,542,611**

* Includes only my share of the total award for projects in which I participated or the total amount of the award for those projects that I personally obtained and managed.

TEACHING

Dr. Williams teaches at both the graduate and undergraduate levels. He has endeavored to not only educate students on theories and concepts but also help them learn to think analytically, properly formulate researchable problems, critically review pertinent literature, effectively apply state-of-the-art analytical methods to data, and appropriately derive evidence-based conclusions.

Graduate Teaching

Dr. Williams has taught several graduate courses over his career at Texas A&M University, including a now defunct course in Marketing Research (1988-1991), AGEC 614 Agricultural Policy (1990-2005), and AGEC 652 International Agribusiness Trade Analysis since 2005. AGEC 652 has averaged 10-20 students since 2013 and student evaluation scores have averaged 4.79, consistently above the 4.60 departmental average for graduate courses (see attached table). Being fluent in Spanish, Dr. Williams has been invited to teach versions of this trade course at several Latin American Universities. In consequence, a number of students at those universities subsequently applied for and were accepted into our graduate program in the Department of Agricultural Economics. In addition, several instructors of trade courses at other U.S. universities have requested to use the materials Dr. Williams has developed for AGEC 652. As an Associated Faculty Member of the Bush School, he has advised over 15 MIA (Master of International Affairs) students and taught a 3-credit hour foundational course in International Economic Development (INTA 630) in the fall semester for 11 years (2008-2018), averaging 10-20 students and evaluations averaging 4.7-4.8 (4.65 Department mean).

Undergraduate Teaching

Dr. Williams has taught AGEC 429 Agricultural Policy each spring semester since 2006. The course averages about 180 junior and senior students. Dr. Williams designed AGEC 429 to be analytically rigorous, challenging students to utilize methods and apply critical economic principles and concepts they should have learned in lower-level courses. Because AGEC 429 is also a university-designated writing (W) course, Dr. Williams integrates writing into the challenging cases they must analyze. Thus, they not only calculate the market effects of policies using elasticities and formulas learned in this course and others, they are required to explain the meaning of the results in letters and white papers to policymakers. Student evaluations since 2013 have averaged 4.34, just below the 4.58 Department mean for undergraduate courses.

Student Course Evaluations

Term*	Course	Enrollment	Total Forms	Overall Mean	% of eval submission	Standard Deviation
2012A	AGEC 429	117		4.41		
2012C	AGEC 652	9	12	4.78		0.61
2013A	AGEC 429	73	73	4.51		0.83
2013C	AGEC 652	13	10	4.55		0.75
2014A	AGEC 429	75	58	4.27		1.19
2014C	AGEC 652	24	20	4.76		0.66
2015A	AGEC 429	87	76	4.41		0.93
2015C	AGEC 652	9	9	4.98		0.15
2016A	AGEC 429	118	98	4.14		1.06
2016C	AGEC 652	9	8	4.79	89%	
2017A	AGEC 429	117	105	4.01	90%	
2017C	AGEC 652	13	9	4.77	69%	
2018A	AGEC 429	113	101	4.41	89%	
2018C	AGEC 652	10	10	4.91	100%	
2019A	AGEC 429	113	105	4.52	93%	
2020A	AGEC 429	180	55	4.67	30.5%**	
2020C	AGEC 652	13	NA	NA	NA	
2021A	AGEC 429	226	NA	NA	NA	

* A= spring semester; C=fall semester.

** First COVID-19 semester and first on-line requirement for course evaluation by students