

# Eduardo Segarra

Department of Agricultural and Applied Economics, Texas Tech University

## GOOGLE SCHOLAR LINK

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**Education and Training** - B.A. – Economics, UANL, Mexico, 1979. M.S. - Agricultural Economics, University of Missouri-Columbia, 1982. Ph.D. - Agricultural Economics, Virginia Tech, 1986. ESCOP / ACOP Leadership Development Program - National Association of State Universities and Land-Grant Colleges, University of Arizona, Tucson, Arizona, 2002-2003.

**Experience** - 12/80-8/82 Graduate Research Assistant, University of Missouri-Columbia. 1/81-5/81 Graduate Teaching Assistant, University of Missouri-Columbia. 9/82-2/86 Graduate Research Assistant, Virginia Tech. 3/86-8/86 Post-Doctorate Research Associate, Virginia Tech. 9/86-10/87 Visiting Scholar, Economic Research Service, USDA. 11/87-8/92 Assistant Professor, TAES-Texas A&M and Texas Tech. Graduate faculty since 1/88. Awarded academic tenure in 3/92. 9/92-8/97 Associate Professor, TAES-Texas A&M and Texas Tech. 10/96-8/05 Adjunct Faculty Member, Agricultural Economics, Texas A&M. 9/97-8/05 Professor, TAES-Texas A&M and Texas Tech. Professor, Texas Tech 8/13 – 12/20. Professor Emeritus, Texas Tech 1/20- present. Favorable Post-Tenure Comprehensive Reviews in 4/03, 4/09, and 4/16. 9/05 Appointed Chairman - Department of Agricultural and Applied Economics, Texas Tech, 9/05 to 8/13. During my administration as Chairman: undergraduate enrollment increased fifty percent, graduate enrollment doubled, the Master of Agribusiness program was developed and implemented, all accelerated programs (150 hour joint B.S. - M.S. degrees) were established, minors in all of our programs with Personal Financial Planning in the College of Human Sciences were established, four new faculty tenure-track positions were created, the first endowed chair position (the Larry Combest Endowed Chair in Agricultural Competitiveness) in the history of our unit was established, a professorship in Agricultural Finance was upgraded to establish the second endowed chair in our unit, and a professorship in Risk Management was established. The overall endowment of our unit quadrupled from \$1.2 million to \$4.9 million, and annual departmental research expenditures averaged over \$1.75 million (from 9/05 to 8/13). International professional experience in: Mexico, several countries in Latin-America, several countries in Europe, several countries in Africa, several countries in the Middle-East, Australia, Pakistan, and China.

**Major Awards and Honors** - Kellogg Foundation Fellow, 1985. Texas Tech Ex-Students Association's Outstanding New Faculty Award, 1990. Outstanding Service - Agricultural Economics Association, Department of Agricultural and Applied Economics, Texas Tech University, 1991 and 2002. Apple Polishing Award for Teaching – Mortar Board, Texas Tech University, 1994 and 2016. USDA National Superior Service Team Award for Scientific Research, 1994. Outstanding Professor of the Year, Graduate Student Association-Agricultural Economics, Texas Tech, 1995 and 1999. USDA Certificate of Appreciation, NAPIAP's Grain Sorghum Assessment Team, 1996. President's Academic Achievement Award, Texas Tech, 1997. Teaching Academy Award for Teaching Activities, Texas Tech, 1997. 1998 Vice Chancellor's Award in Excellence for Research, Off-Campus, Texas A&M University, 1999. Outstanding Service and Contributions to SAEA as President 1998-1999, 1999. Outstanding Service and Contributions to SAEA as an Officer 1995-2000, 2000. College of Agricultural Sciences and Natural Resources Outstanding Researcher for 1999, Texas Tech, 2000. Outstanding Faculty Member Award, Undergraduate Agricultural Economics Association, Texas Tech, 2000. Inducted into Texas Tech's Teaching Academy in 2001. American Agricultural Economics Association National Outstanding Student Chapter Award - Advisor, 2002. Award for Leadership and Service to the American Agricultural Economics Association Foundation as Board Member (2000-2003) and President (2003). College of Agricultural Sciences and Natural Resources Outstanding Service and Outreach, Texas Tech, 2005. Teacher of the Semester in the College of Agricultural Sciences and Natural Resources, Student Agricultural Council, Fall-2005. Co-Recipient of the Water Conservation Advisory Council's 2012 Blue Legacy Award in Agriculture for Water Conservation under the Ogallala Aquifer Program (member), November 2012, Co-Recipient of the Texas Environmental Excellence Award in Agriculture – Texas Alliance for Water Conservation project (member), March 2015. SAEA Lifetime Achievement Award Recipient, 2017. Co-Recipient Journal of Agricultural and Applied Economics Outstanding Article Award, 2019 for Dhakal, Chandra, Kelly Lange, Megha N. Parajulee, and Eduardo Segarra. "Dynamic Optimization of Nitrogen in Plateau Cotton Yield Functions with Nitrogen Carryover Considerations." *Journal of Agricultural and Applied Economics* (2019): 1-17, February 2020. From 2007 to 2012 (SIX CONSECUTIVE YEARS) was ranked 1<sup>st</sup> among all chairs in the College of Agricultural Sciences and Natural Resources, Texas Tech University. Member of: Gamma Sigma Delta, Sigma Xi, Phi Kappa Phi, and Phi Beta Delta. Associate member of: the International Center for Arid and Semi-Arid Land Studies, Texas Tech; and the Center for the Study of Economic and Industrial Development, Texas Tech University. Professional Memberships: AAEA, IAAE, ATINER, NAREA, SAEA, TeXas Economists, and WAEA. Member of the Board of Directors, Texas Tech Federal Credit Union, 1/08 – 8/15. Member of the Board of Directors, Free Market Institute, Texas Tech University, 5/13 – present.

**Teaching Objectives** - Educate students about economic concepts applicable to decision-making and to motivate students to be able to learn on their own without being intimidated by complexity.

**Research Objective** - Improve decision-making by the consideration of emerging technologies, changes in public policy, and environmental and resource constraints that are likely to affect society at large.

**Teaching/Research Activities** - Taught whole/parts of 19 undergraduate and 12 graduate courses. Directed the senior research paper of 11 undergraduate students. Advise and monitor the program of study of 30 to 40 undergraduate students each long semester. Directed the internship program of 78 undergraduate students. Chairman (Co-Chairman) of 18 Ph.D. and 17 M.S. students' committees. Member of 101 other graduate (38 - Ph.D. and 63 - M.S.) students' committees. Graduate School Representative at 18 Ph.D. Dissertation defenses. Directed the work of 11 Research Associates Professionals.

**Academic/State and Regional/National/International Activities** - Academic. Served in well over 50 Departmental, College, and University committees or assignments. Reviewer of proposals for 7 regional /national /international research programs. Reviewer for 16 professional journals. State and Regional. S-224 (87-93). S-256 (93-00). GPAC (93-95). NC-214 (94-99). SAAESD – Agro-ecosystems Conference (94). SAEA- Graduate Student Contributions (88-91), *Journal of Agricultural and Applied Economics* Editorial Council (91-94), Teaching Award (93- 94), 2nd. VP-Elect (95-96), 1st. VP-Elect (96-97), President-Elect (97-98), President (98-99), and Past-President (99-00). National. SAAS- Centennial Plenary Program Planning (98-99). AAEE-Nominating (89-90), Membership (89-93), Cost and Returns Task Force (92-95), Cuba Relations (94-95), Distinguished Policy Contribution (94-97), AAEE Foundation Governing Board (00-03), President AAEE Foundation (01-02). Cotton Beltwide Conference- Vice-Chairman (96-97) and Chairman (97-98). Technical Editor, Economics and Marketing, *Journal of Cotton Science* (97-00). Gamma Sigma Delta, Texas Tech Chapter Vice-President (91-92) and President (92-93). International. IAAE- Rapporteur (85), Discussion Group Chairperson (94), XXIII Conference Organizing (95-97), Member-Elect IAAE Council - U.S. Representative (99-04, Chair 02-04). Evaluator-UANL, Mexico Research Award (95 and 96). Member of ARENNA (95-2008). Editorial Board of the *Oman Journal of Agricultural Sciences* (94-99). Texas International Education Consortium-Agricultural and Sustainable Development Response Team (97-2008).

**Research Grants** – Participated in 66 research projects. Served as PI of 22 projects, as co-PI of 28 projects, as cooperator in 16 projects, and obtained 13 travel grants. Total research funding obtained \$13,832,825.

**Publications and Presentations** – Over 425 refereed/peer reviewed publications and professional presentations. Including: 89 refereed journal articles; 1 co-edited book; 4 chapters in books; 1 book review; 91 referred proceedings papers; 73 referred paper abstracts; 111 technical publications and presentations; and 63 other professional presentations.

### Selected Publications

Paudel, K. P., A. K. Mishra, M. Pandit, and E. Segarra. 2021. Event Dependence and Heterogeneity in the Adoption of Precision Farming Technologies: A Case of US Cotton Production. *Computers and Electronics in Agriculture*, 181 (2021) 105979.

Dhakal, C. K., K. Lange, M. N. Parajulee, and E. Segarra. 2019. Dynamic Optimization of Nitrogen in Plateau Cotton Yield Functions with Nitrogen Carryover Considerations. *Journal of Agricultural and Applied Economics*, (2019): 1-17.

Asare, E, and E. Segarra. 2018. Adoption and Extent of Adoption of Georeferenced Grid Soil Sampling Technology by Cotton Producers in the Southern U.S. *Precision Agriculture*, 19(2): 1-19.

Williams, R., R. Al-Hmoud, E. Segarra, and D. Mitchell. 2017. An Estimate of the Shadow Price of Water in the Southern Ogallala Aquifer. *Journal of Water Resource and Protection*, 9, 289-304.

Bian, D., R. B. Williams, A. Benson, and E. Segarra. 2016. The Effects of Policy Implementation Uncertainty on Groundwater Extraction. *Journal of Contemporary Water Research and Education*, 158: 34-45.

Li, L., C. Wang, E. Segarra, and Z. Nan. 2013. Migration, Remittances and Agricultural Productivity in Small Farming Systems of Northwest China. *China Agricultural Economic Review*, 5(1): 5-23.

Nair, S., C. Wang, E. Segarra, J. Johnson, and R. Reyes. 2012. Variable Rate Technology and Cotton Yield Response in Texas. *Journal of Agricultural Science and Technology*, 2(2012): 1034-1043.

Wang, C. and E. Segarra. 2011. The Economics of Commonly Owned Groundwater When User Demand is Perfectly Inelastic. *Journal of Agricultural and Resource Economics*, 36(1): 95-120.

Guerrero, B., J. Johnson, S. Amosson, P. Johnson, E. Segarra, and J. Surles. 2011. Ethanol Production in the Southern High Plains of Texas: Impacts on the Economy and Scarce Water Resources. *Journal of Regional Analysis and Policy*, 41.1(October):22-32.

Johnson, J., P. Johnson, E. Segarra and D. Willis. 2009. Water Conservation Policy Alternatives for the Ogallala Aquifer in Texas. *Water Policy* 11(2009): 537-552.

Seo, S., E. Segarra, P. D. Mitchell, and D. J. Leatham. 2008. Irrigation Technology Adoption and Its Implications for Water Conservation in the Texas High Plains: A Real Options Approach. *Agricultural Economics*, 38(2008): 47-55.