

Marty Middleton

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EDUCATION

Ph.D., Agricultural and Applied Economics, Texas Tech University, August, 2018. Dissertation title “Uncertainty Effects on Ogallala Aquifer Withdrawal: Is Regulation Needed in the Texas High Plains?”

M.S., Agricultural and Applied Economics, Texas Tech University, 1996. Thesis title “The Economics of Plant Stress Reduction Through Biotechnology: An Application to the Northern Plains Region of Texas”

B.S., Agricultural Economics, Texas Tech University, 1994.

PROFESSIONAL EXPERIENCE

Instructor, Department of Agricultural and Applied Economics, Texas Tech University, Lubbock. Teach courses in computer applications, economics, and finance. Monitor the program of study and the progress of undergraduate students. Conduct research on groundwater economics, production economics, and marketing economics. Manage support for computer/information system resources in the Department. Manage and maintain CASNR Computer Lab resources for the College of Agricultural Sciences and Natural Resources, June 1997 to present.

Research Associate, Department of Agricultural and Applied Economics, Texas Tech University, Lubbock. Cooperated in the design and execution of research on applied economic problems in production agriculture and worked with the task force in assessing the economic impacts of the boll weevil in the Texas High Plains, January 1997 to May 1997.

Graduate Research Assistant, Department of Agricultural and Applied Economics, Texas Tech University, Lubbock. Designed, cooperated, and executed research on the economic impacts of plant stress and biotechnology, optimal selection of dryland cotton cropping systems, optimal pesticide selection in grain sorghum production, the economic impacts of the Texas seed industry, assessing the economic impacts of the boll weevil in the Texas High Plains, September 1994 to December 1996.

TEACHING

Courses Taught:

AGSC 2300: Computers in Agriculture: 16 semesters
AGSC 2301: Agribusiness Data Analysis and Modeling with Spreadsheets
(Computers in Agriculture II): 39 semesters
AAEC 2305: Fundamentals of Agricultural and Applied Economics: 12 semesters
AAEC 3302: Agricultural Finance: one semester
AAEC 3300: Seminar in Economic Applications: 11 semesters
AAEC 5313: Microcomputer Applications in Agriculture (Graduate): 7 semesters

Courses Developed:

AGSC 2300: Computers in Agriculture
AGSC 2301: Agribusiness Data Analysis and Modeling with Spreadsheets
(Computers in Agriculture II)
AAEC 3300: Seminar in Economic Applications
AAEC 5313: Microcomputer Applications in Agriculture (Graduate)

PUBLICATIONS

Refereed Journal Articles on Original Research:

- Farmer, M.C., A. Benson, G. McMahon, J. Principe, and M. Middleton, 2015. Unintended Consequences of Involving Stakeholders too Late: A Case Study in Multi-Objective Management. Journal of Water Resources Planning and Management - American Society of Civil Engineers Journal. 141(10).
- Farmer, M.C., A. Benson, X. Liu, S. Capareda, and M. Middleton, 2014. Feasibility of an Adaptable Biorefinery Platform: Addressing the Delivery Scale Dilemma under Drought Risk. Journal of Agricultural and Applied Economics. 46(1): 57-71.
- Middleton, M, P. Johnson, and E. Segarra, 1999. Economic Impacts of Plant Biotechnology in the Northern Plains Region of Texas. Texas Journal of Agricultural and Natural Resources, 12(1): 62-79.
- Bennett, B., M. Middleton, J. W. Keeling, and E. Segarra. 1997. Economics of Yield and Returns Variability with Dryland Cropping Systems. Texas Journal of Agricultural and Natural Resources, volume 10.

Refereed and Peer Reviewed Proceedings on Original Research:

- Elam, E., M.R. Middleton, G. Holt, and W. Laird. 2002. Cost of Extrusion Processing of Cotton Gin Byproduct as a Livestock Feed. Proceedings of the 2002 Beltwide Cotton Conferences, on CD-ROM disk, National Cotton Council, Memphis, TN. Also published as College of Agr. Sci. & Nat. Res. publication, T-1-571, and Cotton Economics Research Report, CER-02-05.
- Middleton, M. R., and E. Elam. 2001. Preliminary Estimates of the Cost of Extrusion Processing of Cotton Gin By-Products as a Livestock Feed Product. Proceedings of the 2001 Beltwide Cotton Conferences. Selected for presentation, 2001 Beltwide Cotton Conferences. Co-sponsored by the National Cotton Council and the Cotton Foundation, January 8-13, 2001, Anaheim, California.
- Middleton, M. R., and E. Segarra. 1997. Economic Impacts of Crop Biotechnology in a Risky Cotton Production System: An Application to the High Plains of Texas. Proceedings of the 1997 Beltwide Cotton Conferences. Selected for presentation, 1997 Beltwide Cotton Conferences. Co-sponsored by the National Cotton Council and the Cotton Foundation, January 6-10, 1997, New Orleans, Louisiana.
- Middleton, M. R., E. Segarra, and J. W. Keeling. 1996. Dryland Cropping System Effects on Yields and Returns in the Texas High Plains. Proceedings of the 1996 Beltwide Cotton Conferences, pg. 407-409. Selected for presentation, 1996 Beltwide Cotton Conferences. Co-sponsored by the National Cotton Council and the Cotton Foundation, January 8-12, 1996, Nashville, Tennessee.
- Middleton, M. R., E. Segarra, P. N. Johnson, and A. Haynes. 1996. Economic Evaluation of Climatological Stress Factors in Cotton Production in the Texas High Plains. Proceedings of the 1996 Beltwide Cotton Conferences, pg. 473-477. Selected for presentation, 1996 Beltwide Cotton Conferences. Co-sponsored by the National Cotton Council and the Cotton Foundation, January 8-12, 1996, Nashville, Tennessee.

Abstracts of Refereed Presented Manuscripts on Original Research:

- Elam, E., and M. Middleton. 2001. The Cost of Extrusion Processing of Cotton Gin By-Products as a Livestock Feed Product: Preliminary Estimates. Selected for presentation, 2001 Southern Agricultural Economics Association Meetings, January 28 - February 1, 2001. Journal of Agricultural and Applied Economics.

Peer Reviewed Technical Publications and Presentations:

- Elam, E., M.R. Middleton, G. Holt, and W. Laird. 2002. Economic feasibility of extrusion processing of cotton gin byproduct as livestock feed. College of Ag. Sci. & Nat. Res., Cotton Economics Research Report, CER-02-06.
- Elam, E., M.R. Middleton, G. Holt, and W. Laird. 2002. Cost of Extrusion Processing of Cotton Gin Byproduct as a Livestock Feed. College of Agr. Sci. & Nat. Res. publication, T-1-571.
- Elam, E., M.R. Middleton, G. Holt, and W. Laird. 2002. Cost of Extrusion Processing of Cotton Gin Byproduct as a Livestock Feed. College of Agr. Sci. & Nat. Res., Cotton Economics Research Report, CER-02-05.

- Middleton, M. R., E. Segarra, P. N. Johnson, and A. P. Haynes. 1995. Economic Evaluation of Plant Stress Impacts in the Texas North Plains Region. Texas Tech University, College of Agricultural Sciences and Natural Resources Publication No. T-1-415, 30 pgs., Lubbock, Texas.
- Bennett, Blake, Marty Middleton, J. Wayne Keeling, and Eduardo Segarra. Economics of Yield and Returns Variability with Dryland Cotton Cropping Systems. Texas Tech University, College of Agricultural Sciences and Natural Resources, Manuscript no. T-1-436, 1996.
- Middleton, Marty, Eduardo Segarra, and Phillip Johnson. Economic Impacts of Plant Biotechnology in the Northern Plains Region of Texas. Texas Tech University, College of Agricultural Sciences and Natural Resources, Manuscript no. T-1-454, 1997.
- Middleton, M.R., E. Segarra, P.N. Johnson, and A.P. Haynes. Economic Evaluation of Climatological Stress Factors in Cotton Production in the Texas High Plains Region. Texas Tech University, College of Agricultural Sciences and Natural Resources, Manuscript no. T-1-432, 1995.
- Middleton, M.R. and E. Segarra. Economic Impacts of Crop Biotechnology in a Risky Cotton Production System: An Application to the High Plains of Texas. Texas Tech University, College of Agricultural Sciences and Natural Resources, Manuscript no. T-1-, 1996.
- Middleton, M.R., E. Segarra, and J.W. Keeling. Evaluation of Dryland Cotton System Effects on Yields and Returns in the Texas High Plains. Texas Tech University, College of Agricultural Sciences and Natural Resources, Manuscript no. T-1-431, 1995.