

Chenggang Wang

Department of Agricultural and Applied Economics, Texas Tech University
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EDUCATION:

1992-1996	BE	Northeast University, China	Metallurgical Engineering
1999-2001		Nankai University, China	International Economics (Non-degree seeking MA)
2002-2007	PhD	Oregon State University	Agricultural and Resource Economics; Minor: Statistics

PROFESSIONAL EXPERIENCE:

1996-1999	International Merchandiser	Sinosteel Corporation, China
2002-2007	Graduate Research Assistant	Oregon State University
2007-2017	Agricultural Economist	Texas A&M AgriLife Research
2007-2013	Assistant Professor	Texas Tech University
2013-present	Associate Professor	Texas Tech University

AREA OF RESEARCH:

Agricultural Economics; Natural Resource Economics

TEACHING RESPONSIBILITIES:

Fundamentals of Agricultural Economics (AAEC2305): The course is an introduction to the fundamental economic principles and their application to problems in the food, fiber, and natural resource sectors of the economy.

International Agribusiness and Policy (AAEC 4301): A three-credit-hour course consisting of two weeks of study abroad in China. The objective of the course is to provide students interested in international agribusiness with an opportunity to learn China's agricultural policy, experience firsthand the interconnected trade ties between US and China, and explore what it takes for US companies to succeed in China. The course offers opportunities to visit the China operations of US agribusiness firms, agricultural trade associations, and government agencies. Students will also meet and exchange ideas with Chinese business professionals, scholars, and college students.

Advanced Production Economics (AAEC 5303): A three-credit-hour graduate course consisting of three hours of lecture per week. The course teaches the duality theory, risk analysis, and principal-agent models.

Economic Optimization (AAEC 6305): The course teaches development of optimization models in MATLAB for agribusiness and natural resource management problems.

PEER-REVIEWED PUBLICATIONS:

1. **Wang, C.**, R. Färe, and C.F. Seavert. “Revenue Capacity Efficiency of Pear Trees and Its Decomposition.” *Journal of the American Society for Horticultural Science*. 2006 (1): 32 – 40.
2. **Wang, C.**, Y. Xia, and S.T. Buccola. “Public Investment and Industry Incentives in Life Science Research.” *American Journal of Agricultural Economics*. 2009 (2): 374-388.
3. Färe, R., **C. Wang**, A.M. Schubert, K.F. Bronson, and J. Johnson. “Site-Specific Management of Limiting Factors in Peanut on the Texas High Plains.” *Precision Agriculture*. 2009 (4): 331-341.
4. **Wang, C.** and E. Segarra. “The Economics of Commonly Owned Groundwater When User Demand is Perfectly Inelastic.” *Journal of Agricultural and Resource Economics*. 2011 (1): 95-120.
5. Yu, Y. and **C. Wang**. “The Market for Contemporary Chinese Paintings: A First Look.” *Empirical Economics Letters*. 2011. 10 (7): 661-668.
6. **Wang, C.**, S. Pan, and L. Qin. “Impacts of Off-Farm Employment on Farm Production in Rural China.” *Empirical Economics Review*, 2011, 2 (1): 1-19.
7. Nair, S., **C. Wang**, E. Segarra, E. Belasco, J. Larson, M. Velandia, D. Lambert, and J. Reeves. “Adoption of Precision Agriculture for Cotton in Southern United States.” *Journal of Agribusiness*. 2011, 29 (2): 221-242.
8. Qin, L., S. Pan, **C. Wang**, and Z. Jiang. “Adverse Selection in China’s New Rural Cooperative Medical Scheme: A Case Study in Suburb Beijing.” *China Agricultural Economic Review*. 2012 (1): 69 – 83.
9. Färe, R., **C. Wang**, and C.F. Seavert. “A Model of Site-Specific Nutrient Management.” *Applied Economics*, 2012, 44 (33): 4369-4380.
10. Rada, N., **C. Wang**, and L. Qin. “Hired-Labor Demand on Chinese Farms: Evidence from Household Survey Data.” *Journal of Agribusiness in Developing and Emerging Economies*. 2012 (2): 115-129.
11. Li, L., **C. Wang**, E. Segarra, and Z. Nan. “Migration, Remittances, and Agricultural Productivity in Small Farming Systems in Northwest China.” *China Agricultural Economics Review*. 2013 (1): 5-23.
12. Nair, S., **C. Wang**, E. Segarra, J. Johnson, and R. Rejesus. “Variable Rate Technology and Cotton Yield Response in Texas.” *Journal of Agricultural Science and Technology B 2*. 2012, pp. 1034-1043.
13. Nair, S., S. Maas, **C. Wang**, and S. Mauget. “Field Partitioning for Maximizing Yield and Profit of Center-Pivot Irrigated Cotton in the Texas High Plains.” *Agronomy Journal*. 2013 (1): 124-133.
14. Nair, S., J. Johnson, and **C. Wang**. “Efficiency of Irrigation Water Use: A Review from the Perspectives of Multiple Disciplines.” *Agronomy Journal* 2013 (2): 351-363.
15. **Wang, C.** and S. Nair. “The Economics of Deficit Irrigation.” *Natural Resource Modeling*. 2013 (3): 331-364.

16. Qin, L., S. Yu, Z. Jiang, and **C. Wang**. "The Impact of Health on Off-farm Income of China's Migrant Workers." *Agricultural Economics*. 2013 Vol. 59 No. 2 pp. 90-99.
17. Qin, L., **C. Wang**, and Z. Jiang. "Return to Education in China's Labor Market." *African Journal of Business Management*. 2013, Vol. 7(25), pp. 2489-2494.
18. Wang, Y., **C. Wang**, S. Nair, and S. Pan. "Industrial and Agricultural Development in Rural China." *Journal of Agribusiness*. 2013, Vol. 31 No. 1, pp. 181-195.
19. **Wang, C.**, N. Rada, L. Qin, and S. Pan. "Impacts of Migration on Household Production Choices: Evidence from China." *Journal of Development Studies*. 2014, Vol. 50 (3), pp. 413-425.
20. P. Watcharaanantapong, R.K. Roberts, D.M. Lambert, J.A. Larson, M. Velandia, B.C. English, R.M. Rejesus, and **C. Wang**. "Timing of precision agriculture technology adoption in US cotton production." *Precision Agriculture*. Published online November 2013. 10.1007/s11119-013-9338-1.
21. Tewari, R., J. Johnson, D. Patterson, D. Hudson, **C. Wang**. "Global Warming Perception and Willingness to Pay for Environment in High Carbon Emitting Nations." *Asian Journal of Research in Social Sciences and Humanities*. 2014. Vol. 4, No. 9, pp. 287-305.
22. Fan, Y., **C. Wang**, and Z. Nan. "Comparative Evaluation of Crop Water Use Efficiency, Economic Analysis, and Net Household Profit Simulation in Arid Northwest China." *Agricultural Water Management*. 2014. Volume 146, December 2014, Pages 335 - 345.
23. Lange, K., J. Johnson, P.N. Johnson, **C. Wang**, A.W. Gustafson. 2015. "Intergenerational Transfers of Managerial Control in U.S. Family Farm Businesses." *American Journal of Experimental Agriculture*. 9(6):1-12.
24. Lange, K., J.W. Johnson, P.N. Johnson, D. Hudson, **C. Wang**, A.W. Gustafson. 2016. "Farm Succession in Texas: A qualitative Approach." *International Journal of Agricultural Management* 5(3): 58-69.
25. Qin, L. C, Chen, X. Liu, **C. Wang**, and Z. Jian. "Health Status and Earnings of Migrant Workers from Rural China". *China & World Economy*. 2015. Volume 23, Issue 2, pages 84-99.
26. Rada, N., **C. Wang**, L. Qin. "Subsidy or market reform? Rethinking China's farm consolidation strategy" *Food Policy*. 2016. Volume 57, pages 93-103.
27. Qin, L. and **C. Wang**. "Labor Employment and Social Security in China's First Village of Reforming and Anhui Province." *China Agricultural Economic Review*. 2016. Vol 8 Issue 4, pages 711-715.
28. Liu, Y. **C. Wang**, Z. Tang, and Z. Nan. 2017. "Farmland Rental and Productivity of Wheat and Maize: An Empirical Study in Gansu, China." *Sustainability*. 9(10) pages 1678.
29. Liu, Y., **C. Wang**, Z. Tang, Z. Nan. 2018. "Will farmland transfer reduce grain acreage? Evidence from Gansu province, China" *China Agricultural Economic Review*. 10(2): 277-292.
30. **Wang, C.**, Z. Tang, and Z. Nan. 2018. "The Caterpillar Fungus Boom on the Tibetan Plateau: Curse or Blessing?" *China Economic Review* (47): 65-76.
31. Y. Fan, **C. Wang**, and Z. Nan. 2018. "Determining Water Use Efficiency of Wheat and Cotton: A Meta-Regression Analysis." *Agricultural Water Management* 199: 48-60.
32. Liu, Y. Q. Feng, **C. Wang**, Z. Tang. 2018. A risk-based model for grassland management using MODIS data: The case of Gannan region, China. *Land Use Policy* (72): 461-469.

GRANTS AND AWARDS:

1. **Principal Investigator**, Economic Efficiency Analysis of Cotton Production in the Texas High Plains, 2008-2009, USDA-CSRESS, total amount funded \$38,603.
2. **Principal Investigator**, Economic Efficiency Analysis of Cotton Production in the Texas High Plains, 2009-2010, USDA-CSRESS, total amount funded \$36,236.
3. **Principal Investigator**, Determining the Status of Precision Farming Technology Adoption by Cotton Farmers in the 2007-2008 Crop Season in 12 States, 2009-2015, Cotton Inc., total amount funded \$51,000.
4. **Co-Principal Investigator**, Technological Change and Intertemporal Resource Allocation, with Jeff Johnson (PI), 2009, USDA-ARS, total amount: \$55,000.
5. **Principal Investigator**, Optimal Spatial and Temporal Allocation of Irrigation Water in Center-Pivot-Irrigated Cotton-Sorghum Production Systems, 2010-2011, USDA-CSRESS, total amount funded \$40,604.
6. **Principal Investigator**, A Hydro-Econometric Analysis of Producer Water Use and Aquifer Hydrology in the Texas High Plains, 2009-2012, USDA-NIFA-AFRI, total amount funded \$261,662.
7. **Co-Principal Investigator**, Use of Alternative Water Sources for Bioenergy Crops Production in Arid Southwest Region of the U.S., 2011-2013, US Department of Transportation, with Girisha Ganjegunti (PI), total amount funded \$75,000.
8. **Principal Investigator**, Agricultural Land Use and Development of Bioenergy Crops in Illinois, Western Illinois University, 2011, total amount funded \$26,595.
9. **Co-Principal Investigator**, Truffle Production in Texas: Adding Value to the Pecan Industry, 2011, with Jyotsna Sharma (PI), Brent Trela, and Thayne Montague, Texas Department of Agriculture, total amount funded \$49,500.
10. **Co-Principal Investigator**, Truffle Production in Texas: Adding Value to the Pecan Industry, 2012, with Jyotsna Sharma (PI), Brent Trela, and Thayne Montague, Texas Department of Agriculture, total amount \$53,100.
11. **Principal Investigator**, Dynamic Equilibrium Analysis of Chinese Meat Consumption in An Open Market System, 2015, with Huilong Lin, State Key Lab of Grassland Research, Lanzhou University, Total amount: ¥150,000 RMB.
12. **Principal Investigator**, Emergence of Institutions for Sustainable Production of the Caterpillar Fungus Resource on the Tibetan Plateau, 2017, The Scholarship Catalyst Program Texas Tech University, total amount: \$3,500.
13. **Principal Investigator**, A Household Survey of the Pastoral Livestock Economy on the Tibetan Plateau, 2017-2018, Chinese Academy of Engineering through Lanzhou University, total amount: ¥700,000 RMB.