

## Fei He

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### Education

#### **Ph.D., Food and Resource Economics**

**08/2023**

*University of Florida, Gainesville, FL*

Dissertation Topic: Farm-scale and Regional Economic Implications of Agricultural Land Use and Land Management Decisions

#### **M.S., Food and Resource Economics**

**08/2019**

*University of Florida, FL*

Thesis Topic: Agricultural Best Management Practice and Risk Analysis

### Publications

#### **Peer-Reviewed Publications**

**He, F.**, Borisova, T., Athearn, K., Hochmuth, R., and Barret, C. "Choosing Nitrogen Application Rate Recommendation Given Florida's Regulatory Water Policy", *HortScience*, 57 (11), 2022.

Ma, Y., Zhang X., **He, F.**, Ma, X., Hong, Yi., Medina. A., Rose, N., Rozelle, S., and Congdon., N, "Visual Impairment in Rural and Migrant Chinese School-going Children: prevalence, severity, correction and association", *British Journal of Ophthalmology*. 106, 2022.

Wang, L., Nathan, C., Hogg R., Zhang S., Shi, Y., Jin, L., **He, F.**, Wang H., Boswell, M. and Iyer M., "The Cost-effectiveness of Alternative Vision Screening Regimens among Preschool Children in Rural China", *Acta Ophthalmologica*, 97(3), 2019.

**He, F.**, Shi, Y., Luo, R., Zhang L., Johnson, N., and Rozelle, S., "Irrigation Investment in China: trends, correlates and impacts," *China Agricultural Economic Review*, 7(3), 2015.

Wang, H., Yang, C., **He, F.**, Shi, Y., Qu, Q., Rozelle, S., and Chu, J., "Mental Health and Dropout Behavior: A Cross-sectional Study of Junior High Students in Northwest Rural China", *International Journal of Educational Development*, 41, 2015.

#### **Other Publications**

Court, C., Qiao, X., Saha., B., **He, F.**, and McDaid, K. "Preliminary Assessment of Agricultural Loss resulting from Hurricane Ian", *UF/IFAS Economic Impact Analysis Program*, 2022

**He, F.**, Borisova, T., Bi, X., and Grogan, K., "Valuing Florida Water Resources: Summary by Regions", *UF/IFAS Extension publication*, 2021

Borisova, T., **He,F.**, Bi, X., and Grogan, K., "Valuing Florida Water Resources: Ecosystem Services That We Do Not Notice, But Still Value", *UF/IFAS Extension publication*, 2021

Borisova, T., Oehlbeck, K., Bi, X., Wade, T., Hodges., A., Grogan, K., and **He, F.**, "Economic Value of Florida Water Resources: Contributions of Tourism and Recreation to the Economy", *UF/IFAS Extension publication*, FE1065, 2020

**He, F.**, Borisova, T., Athearn, K., Barret, C., Hochmuth, R., and Adams,D., "An Economic Analysis of Nitrogen Management Practices for Florida Carrot Production", *Southern Agricultural Economics Association Annual Meeting*, 2020.

**He, F.**, Borisova, T., Athearn, K., Hochmuth, R., and Barret, C., "Economic Analysis to Support the Development of Agricultural Best Management Practices and Protect Florida's Springs", *Southern Agricultural Economics Association Annual Meeting*, 2019.

### **Selected Conference Presentations**

- "Producers Willingness to Adopt Best Management Practices in Floridan Aquifer Region", *Agricultural and Applied Economics Association Annual Meeting*, July 2023. (Oral Presentation)
- "Agricultural Producers Willingness to Accept Incentive Payments for Adopting Nutrient and Irrigation Best Management Practices", *Southern Extension Economics Committee Meeting*. June 2022. (Oral Presentation)
- "The Economic Value of Florida Water Resource," Agricultural & Applied Economics Association (AAEA) Annual Meeting, Austin TX, August 2021. (Extension Competition for Graduate Students)
- "Agricultural Water Quality Policy Design: Evaluating Farm-level Tradeoff Between Nutrient Loading and Economic Return". *Southern Agricultural Economics Association Annual Meeting*. Virtual. February 2021. (Oral Presentation)
- "Water Resources and Human Society: Educating Floridians About the Value of Water Resources". *Extension Professional Association of Florida Conference*. Virtual, September 2020 (Oral Presentation)
- "Integration of the economic and hydrologic modeling to evaluate and communicate the tradeoffs between water quality and economic benefits at farm scale" *Agricultural and Applied Economics Association Annual Meeting*, 2020. (Poster Presentation)
- "Producers' Risk Perceptions and the Choice of Nitrogen Application Rates for Carrot Production," The 7th University of Florida Water Institute Symposium, Gainesville, FL, February 2020. (Poster Presentation)
- "An Economic Analysis of Nitrogen Management Practices for Florida Carrot Production", *Southern Agricultural Economics Association Annual Meeting*, Louisville, KY, February 2020 (Oral Presentation)
- "Selecting Nitrogen Fertilizer Application Rate to Maximize Farm Profitability--- Evidence from a carrot field experiment in North Florida," *Agricultural & Applied Economics Association (AAEA) Annual Meeting*, Atlanta, GA, May 2019. (Extension Competition for Graduate Students)
- "Economic Analysis to Support the Development of Agricultural Best Management Practices and Protect Florida's Springs," *Southern Agricultural Economics Association Annual Meeting*, Birmingham, AL, February 2019. (Oral Presentation)
- "Developing enterprise budgets for major agricultural and forest crops in Lower Suwannee and Lower Flint region," *Floridan Aquifer Collaborative Engagement for Sustainability Project Annual Meeting*, Gainesville, FL, September 2018. (Poster presentation)
- "Economic Analysis of Nitrogen Fertilizer Application Rates for North Florida Carrot," *The 6th University of Florida Water Institute Symposium*, Gainesville, FL, February 2018. (Poster presentation)
- "Effect of Chinese Eye Exercises on Change in Visual Acuity and Eyeglasses Wear Among School-aged Children in Rural China," *Chinese Economist Society North America Conference*, Athens, GA, April 2018. (Oral Presentation)

### **Honors and Awards**

- Graduate Student Council Travel Grant, 2022
- Cecil N. and Cecile G. Smith Scholarship, University of Florida, 2021-2022

- Finalists, Agricultural & Applied Economics Association Extension Competition for Graduate Students, 2019 and 2021
- Student Poster Award, *The 7th University of Florida Water Institute Symposium*, Gainesville, Florida, February 2020
- Grinter Fellowship, University of Florida, 2019-2020
- Thompson Institute for Earth Systems Grant, University of Florida, “Water resources and human society: educating Floridians about the value of water resources”, 2018-2020, \$2,425

### **Skills**

- Languages: English (Fluent), Chinese (Native)
- Computer Skills: R, Stata, SAS, MATLAB, LaTeX, SIMETAR, IMPLAN