

Hyewon Lee

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Education

Ph.D. in Economics <i>Iowa State University</i>	2022–Present
M.A. in Agricultural and Resource Economics <i>Seoul National University, Seoul, Korea</i>	2021
B.A. in Economics <i>Ewha Womans University, Seoul, Korea</i>	2018
Exchange Student <i>Universidad Alfonso X El Sabio, Madrid, Spain</i>	2016

Research Interests

Production and Environmental Economics, Information Economics, Agricultural Technology Adoption, Integrated Pest Management, Conservation Practice, Farmland Valuation

Research

Job Market Paper

- “Beyond the Threshold: Costly Monitoring and the Private Implementability of Integrated Pest Management,” with D.A. Hennessy

Publications

- **Lee, H.** and O.S. Kwon. 2021. “Estimating the Substitution Effects of Reusable Trash Bags for Standard Trash Bags” (in Korean). *Journal of Environmental Policy and Administration* 29(3): 49–75. doi:10.15301/jepa.2021.29.3.49

Policy Publications

- **Lee, H.**, E.W. Hodgson, D.M. Lagos-Kutz, and D.A. Hennessy. 2025. “Soybean Aphid and Changing Pesticide Usage in Iowa.” *Agricultural Policy Review*, Fall 2025. Center for Agricultural and Rural Development, Iowa State University.
- **Lee, H.**, D.M. Lagos-Kutz, and D.A. Hennessy. “Regional Pest Monitoring as Agricultural Information Infrastructure: Evidence from two decades of Suction Trap Network data.” *Agricultural Policy Review*, forthcoming. Center for Agricultural and Rural Development, Iowa State University.

Work in Progress

- “The Dynamic Value of Tillage Choice: A Dynamic Approach to Agricultural Land Valuation,” with D.A. Hennessy

- “Private Control, Public Benefit: Spatial Externalities in Pesticide Use,” with D.A. Hennessy

Presentations

[†] Scheduled

When Does Scouting Pay? Evaluating Soybean Aphid Scouting and Drones	August 2026 [†]
Invited webinar, Iowa Learning Farms; with Seowoo Lee	
Beyond the Threshold: Costly Monitoring and the Private Implementability of Integrated Pest Management	July 2026
Agricultural & Applied Economics Association Annual Meeting, Kansas City	
When Pest Control Loses Its Target: Insecticide Use After the Soybean Aphid Boom	July 2026
Agricultural & Applied Economics Association Annual Meeting, Kansas City; poster	
Beyond the Threshold: Costly Information and IPM Implementation	June 2026
Western Education and Research Activities Committee on Agribusiness Annual Meeting, Utah State University, Logan, UT	
Spray or Wait? The Value of Information in Pest Management	November 2025
Southern Economic Association 96th Annual Meeting, Tampa	
Estimating the Substitution Effects of Reusable Trash Bags for Standard Trash Bags	August 2020
Korea Environmental Economics Association, Seoul	

Teaching

Iowa State University

Instructor

Principles of Microeconomics Summer 2025 (4.71/5)

Lab Instructor

Intermediate Microeconomics Fall 2024 (3.91/5); Fall 2025 (4.33/5); Spring 2026 (4.88/5)

Applied Economic Optimization Spring 2025 (4.75/5)

Teaching Assistant

Principles of Microeconomics Fall 2023

Principles of Macroeconomics Spring 2023; Fall 2024

Farm Business Management Fall 2022

Rural Property Appraisal Spring 2024

Agriculture, Food & Trade Policy	Spring 2026
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Seoul National University

Teaching Assistant

Introductory Statistics for Economists	Spring 2019
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Mathematics for Economics	Fall 2018
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Honors & Awards

Thamodaran Family Innovation in Agriculture Fund , Iowa State University	2026
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Best Third Year Paper Award, Iowa State University	2025
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Professional Advancement Grant, Iowa State University	2025
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Graduate Student Travel Grant, Iowa State University	2025
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James R. Prescott Scholarship, Iowa State University	2022
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Merit-Based Scholarship, Seoul National University	Fall 2019
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TA Scholarship, Seoul National University	Fall 2018, Spring 2019
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Study Abroad Scholarship, Ewha Womans University	2015
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Academic Excellence Scholarship, Ewha Womans University	2014
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Service

Graduate Professional and Student Senate, Iowa State University	2025–2026
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Student Representative, Korean Agricultural and Applied Economics Association	2024–Present
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Professional Activities

Selected Participant, USDA AMS–AAEA Local Food Economics Data Visualization Challenge	2026
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Summer Institute for Digital Inquiry, Iowa State University	2025
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Intern, Council on International Financial Cooperation, Korea Institute of Finance	Aug. 2017–Dec. 2017
Academic Member, Korean University Student Economy Association	2015
Study Tour of Economic Progress and Social Welfare in Northern Europe, Ewha Womans University	Summer 2015

Skills

Software Stata, R, Python, MATLAB, L^AT_EX

Languages Korean (Native), English (Fluent), Spanish (DELE B2)