

Jonathan G. Malacarne

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Education

- 2019 Ph.D. Agricultural and Resource Economics. University of California-Davis. Davis, CA.
Committee: Stephen Boucher (Co-Chair), Michael R. Carter (Co-Chair) and Travis J. Lybbert.
2015 M.S. Agricultural and Resource Economics. University of California-Davis. Davis, CA.
2005 B.A. Economics with Distinction. University of Virginia. Charlottesville, VA.

Experience

Academic

Assistant Professor, School of Economics, University of Maine, 2019-Present.
Research Assistant, Ag and Resource Economics, University of California—Davis, 2012 – 2019.
Teaching Assistant, Ag and Resource Economics, University of California—Davis, 2013 – 2015.
Research Assistant, Grupo de Análisis para el Desarrollo (GRADE), 2013.

Non-Academic

Small Business Development Specialist, The Peace Corps (Nicaragua). 2010 – 2012.

Research

Peer-Reviewed Publications

1) **Malacarne, JG**, Jason Lilley, and Nancy McBrady. "The Response of the Maine Food System to the Onset of COVID-19 Pandemic." *Maine Policy Review* 30.2 (2021): 34 -47.

Working Papers, Policy Briefs and Industry Reports

7) Laurent, Jennifer PhD, APRN; Bertmann, Farryl; Alpaugh, Mattie; Belarmino, Emily H.; Bliss, Sam; **Malacarne, Jonathan**; McCarthy, Ashley C.; Merrill, Scott C.; Schattman, Rachel E.; Yerxa, Kathryn; and Niles, Meredith T., "Change in Food Security and Health Outcomes Since the COVID-19 Pandemic in Northern New England" (2022). College of Nursing and Health Sciences Faculty Publications. 4.

6) Niles, Meredith T.; Alpaugh, Mattie; Bertmann, Farryl; Belarmino, Emily H.; Bliss, Sam; Laurent, Jennifer; **Malacarne, Jonathan**; McCarthy, Ashley; Merrill, Scott; Schattman, Rachel E.; and Yerxa, Kathryn, "Home Food Production and Food Security Since the COVID-19 Pandemic" (2021). College of Agriculture and Life Sciences Faculty Publications. 189.

5) Baily, Megan, Bell, Kathleen P., Crawley, Andrew, Gabe, Todd, Malacarne, J.G., Rubin, Jonathan. (2021). Economic Impacts of Investments in Food and Agricultural Processing Infrastructure in Maine.

4) Boucher, S. R., Carter, M. R., Flatnes, J. E., Lybbert, T. J., **Malacarne, J. G.**, Marenya, P., & Paul, L. A. (2021). Bundling stress tolerant seeds and insurance for more resilient and productive small-scale agriculture (No. w29234). National Bureau of Economic Research.

3) Annis, S., Calderwood, L., Phanning, P., Ishaq, S., **Malacarne, J.**, Zhang, Y. (2020) "2020 Wild Blueberry Research & Extension Reports"

2) Boucher, S., Carter, M., Lybbert, T., **Malacarne, J.**, Marenya, P., and Paul, L.. (2019). Innovations for Drought Resilience Two Ways in Mozambique and Tanzania. MRR Innovation Lab Evidence Insight. No. 2019-02. September 2019.

1) Boucher, S., Carter, M., Erenstein, O., Flatnes, J.E., Lybbert, T., **Malacarne, J.**, Marenya, P., and Paul, L.. (2019). Bundling Innovative Risk Management Technologies to Accelerate Agricultural Growth and Improve Nutrition. MRR Innovation Lab Project Report.

In Review

3) **Malacarne, J.G.** and Paul, LA. (2021) "Do the Benefits of Better Management Practices on Nutritional Outcomes “Dry Up” in the Presence of Drought? Evidence from East Africa". (R&R)

2) Boucher, S. R., Carter, M. R., Flatnes, J. E., Lybbert, T. J., **Malacarne, J. G.**, Marenya, P., & Paul, L. A. (2022). Bundling Genetic and Financial Technologies for More Resilient and Productive Small-scale Agriculture.

1) Alloush, Mo, Bloem, Jeffrey R., Malacarne, Jonathan G. "Social Protection Amid a Crisis: New Evidence From South Africa's Older Person's Grant". (2022)

In Preparation

5) **Malacarne, J.G.** "The Farmer and The Fates: Locus of Control and Investment in a Stochastic Production Process.”.

4) Boucher, S., **Malacarne, J.G.**, & Carter, M. R. "Can Program Designers Use Sharp Targeting to Improve Efficiency Without Cutting Themselves (Or Anyone Else)?".

3) **Malacarne, J. G.** "Perceptions of Control as a Barrier to Investment in Resilience: Theory and Evidence from Drought-Tolerant Maize Adoption in Mozambique and Tanzania".

2) Miller, L and **Malacarne, J.G.** "What role can farmers markets play in the larger context of food access? Theory and evidence from Maine"

1) **Malacarne, J.G.**, Paul, L., Flatnes, J.E., Boucher, S., Carter, M. "Salient Risks and Contract Quality: Estimating Demand for Index Insurance in Mozambique and Tanzania"

Invited Presentations

14) **Malacarne, J.G** "Divergent Needs and Experiences in the Wild Blueberry Industry " November 2021.

13) **Malacarne, J.G** "A Brief Look at the State of Maine's Wild Blueberry Industry". April 2021.

12) **Malacarne, J.G** "A Brief Look at the State of Maine's Wild Blueberry Industry". January 2021.

11) **Malacarne, J.G** "COVID-19 and the Maine Food System". Maine Ag Trade Show. January 2021.

10) **Malacarne, J.G.** "COVID-19 and the Maine Food System", School of Economics, University of Maine. December 2020.

9) **Malacarne, J.G.** "The Eruption of Mount Vesuvius through the lens of economics", Honors College, University of Maine. August, 2020.

8) **Malacarne, J.G.**. Alternatives to Tariffs For Improving Wild Blueberry Prices. Maine Wild Blueberry Commission. June 2020.

7) **Malacarne, J.G.**. Cost Considerations For Online Marketing. Maine DACF Webinar. April 2020.

6) **Malacarne, J.G.**. Economics of Hemp Production and Marketing. Brewer, ME. March 2020.

5) **Malacarne, J.G.**. The Farmer and The Fates: Locus of Control and Investment in a Stochastic Production Process. School of Economics. University Maine. March 2019.

4) **Malacarne, J.G.**. The Farmer and The Fates: Locus of Control and Investment in a Stochastic Production Process. Facultad de Economia. Universidad de Los Andes. January 2019.

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- 3) **Malacarne, J.G.**. The Farmer and The Fates: Locus of Control and Investment in a Stochastic Production Process. Research and Evaluation Division. American Institutes for Research. January 2019.
- 2) **Malacarne, J.G.**. The Farmer and The Fates: Locus of Control and Investment in a Stochastic Production Process. Agricultural and Resource Economics Department. University of California—Davis. October 2018.
- 1) **Malacarne, J.G.**. Randomized Controlled Trials (RCTs) In Practice. Guest Lecture, Department of Sociology. Mount Holyoke College. December 2016.

Conference Presentations

- 13) Boucher, S. R., Carter, M. R., Flatnes, J. E., Lybbert, T. J., **Malacarne, J. G.**, Marenya, P., & Paul, L. A. "Bundling stress tolerant seeds and insurance for more resilient and productive small-scale agriculture". North East Universities Development Consortium. Virtual. 2021.
- 12) **Malacarne, J.G.**, Paul, L., Flatnes, J.E., Boucher, S., Carter, M.. "Salient Risks and Contract Quality: Estimating Demand for Index Insurance in Mozambique and Tanzania" Northeastern Agricultural and Resource Economics Assoc. Virtual. 2021.
- 11) **Malacarne, J.G.**, Paul, L., Flatnes, J.E., Boucher, S., Carter, M.. "Salient Risks and Contract Quality: Estimating Demand for Index Insurance in Mozambique and Tanzania". Poster. Agricultural & Applied Economics Association Annual Meeting, Virtual. 2020.
- 10) Miller, L and **Malacarne, J.G.** "Are Farmers Markets a Solution for Local Food Access or Simply a Strawman? Theory and Evidence from Maine". Northeast Agriculture and Resource Economics Association Annual Meeting, Virtual. 2020.
- 9) **Malacarne, J. G.**. "The Helpful and Harmful Potential of Behavioral Nudges". Northeast Agriculture and Resource Economics Association Annual Meeting, Virtual. 2020.
- 8) **Malacarne, J.G.**, Boucher, S., Carter, M.,& Paul, L.. Innovations in risk management for small-holder farmers: Experimental evidence from East and Southern Africa. Agricultural & Applied Economics Association Annual Meeting, Atlanta, GA. 2019.
- 7) **Malacarne, J.G.** Index-Based Agricultural Insurance in Mozambique: Recent Experience and Paving the Way Forward. AMA Innovation Lab Outreach Event. Maputo, Mozambique. 2018.
- 6) **Malacarne, J.G.** The Farmer and The Fates: Perceptions of Self-efficacy, Learning and Investment in a Stochastic Production Process. Northeastern Agricultural and Resource Economics Assoc. Annual Meeting. Philadelphia, PA. 2018.

- 5) **Malacarne, J.G.** The Farmer and The Fates: Locus of Control and Investment in a Stochastic Production Process. Agricultural & Applied Economics Association Annual Meeting, Washington D.C. 2018.
- 4) **Malacarne, J.G.** Locus of Control and Investment Behavior Among Smallholding Maize Farmers: An Empirical Study from Mozambique and Tanzania. Pacific Conference for Economic Development (PacDev). Davis, CA. 2018.
- 3) **Malacarne, J.G.** Locus of Control and Economic Decision Making: Perceptions of Agency in a Stochastic Production Process. Giannini Foundation of Agricultural and Resource Economics Student Conference. Davis, CA. 2017.
- 2) **Malacarne, J.G.** Goalpost Effects: Understanding Impact Heterogeneity in Nicaragua's Rural Business Development Program. Pacific Conference for Economic Development (PacDev). Riverside, CA. 2017.
- 1) **Malacarne, J.G.** Heterogeneous Impacts in Nicaragua's Rural Business Development Program. Giannini Foundation of Agricultural and Resource Economics Student Conference. Davis, CA. 2016.

Funding

External Awards Total (based on percent responsibility, as noted below): \$ 873,797

External Grants

- 8) *Rural experiences with food insecurity and health during COVID-19 and strategies for future resilience (\$149,805)*
Investigators: Rachel Schattman (PI), Kate Yerxa, **Jonathan Malacarne** (Co-PI, 30%)
Sponsor: USDA - NIFA - Agriculture and Food Research Initiatives (AFRI)
Project Dates: 3/1/22 – 2/28/25
- 7) *Equipping New Farmers with Practical Skills and Knowledge (\$582,400)*
Investigators: David Handley (PD), **Jonathan Malacarne (10%)**, Colt Knight, Tori Lee Jackson
Sponsor: USDA-NIFA Beginning Farmer and Rancher Development Program
Project Dates: 9/1/21 – 8/30/24
- 6) *Facilitating uptake of resilience-enhancing technologies with stochastic benefits by subsidizing learning (\$750,000)*
Investigators: **Jonathan Malacarne (PI, 100%)**, Stephen Boucher, Meizal Popat,
Lourenco Manuel
Sponsor: MRR Innovation Lab - USAID
Project Dates: 9/1/2021 – 6/30/2025

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- 5) *Identifying Research and Policy Priorities for Enhanced Resilience and Equity in Smallholder Coffee Production (\$12,500)*
Investigators: **Jonathan Malacarne (100%)**
Sponsor: National Coffee Association
Project Dates: 6/1/21 – 8/31/21

- 4) *Economic Impacts of Enhanced Agricultural Processing Capacity in Maine (\$10,677)*
Investigators: Todd Gabe (PI), Megan Bailey, Kathleen Bell, Andrew Crawley,
Jonathan Malacarne (Co-PI, 15%), Jonathan Rubin
Sponsor: ME Department of Agriculture, Conservation & Forestry
Project Dates: 5/10/21 – 8/10/21

- 3) *Value-Added Grains for Local and Regional Food Systems (\$2,000,000)*
Investigators: Mark Sorrells (PD) and many investigators including **J.G. Malacarne (5%)** as co-project director
Sponsor: USDA - NIFA - Organic Research and Extension Initiatives
Project Dates: Sept 1, 2020 – Aug 31, 2023

- 2) *State of the Maine Wild Blueberry Industry Survey (\$23,487)*
Investigators: **J.G. Malacarne (100%)**, Lily Calderwood, Phillip Fanning
Sponsor: Wild Blueberry Commission of Maine
Project Dates: March 1, 2020 – Dec 31, 2020

- 1) *Increasing Market Connectivity for Maine's Wild Blueberry Growers and Processors by Leveraging Information Technology (\$45,608)*
Investigators: Eric Venturini (PD), Nancy England, **J.G. Malacarne (15%)**, Renee Page, Lily Calderwood
Sponsor: Maine DACF Agricultural Development Grant
Project Dates: June 1, 2020 – Dec. 31, 2021

Selected Awards/Honors

National Association of County Agricultural Agents, Search for Excellence in Farm and Ranch Business Management, State Winner. "COVID-19 Response for Maine Farmers". Donna Coffin, Tori Jackson, Jason Lilley, Rebecca Long, and Jonathan Malacarne. 2021.

Nominated for Faculty Mentoring Award, University of Maine, 2021.

Scott McNiven Community Service Award. Department of Agriculture and Resource Economics, University of California, Davis. 2014.

Teaching

Graduate

Number of occurrences in parentheses.

- 1) Introduction to Econometrics (ECO 530), University of Maine, Orono ME (3).

Comments:

Fall 2021 (Hyflex – in person, remote synchronous, remote asynchronous)

“Jonathan was always very encouraging and helpful and always open to feedback and questions and discussions of any kind. I always felt encouraged academically and personally in his classroom. I appreciated that we were instructed with R as it is a free resource and highly sought after in the job market outside of academia.”

“Class time was always spent productively and going through R exercises in class was helpful. It showed me how to apply the concepts using the program that I will be using for my research work. The homeworks were excellent in that they always reinforced concepts and R code learned in class. Using real data in class and in the homeworks was also very helpful. This class teaches us how to apply econometrics to our work. This has been one of my favorite classes in both undergrad and grad school.”

“This was a great course! I feel like it allowed me to build off of some of the concepts I learned in my undergraduate econometrics course and I am very grateful that Jonathan was available most of the time if I needed to ask a question. I also really liked how low stress this course was and I feel like what I learned in this class will help me in my future studies.”

Fall 2020 (remote)

“All the material Prof. Malacarne taught us was valuable and applicable to real life. We learnt so many different econometric techniques, which I can use both for my future academic work and career. I appreciate learning how to use R for all the different techniques as this is a skill a lot of employers seek.”

“Jonathon has been one of the best professors I have had in undergrad and graduate school. He is a very passionate and considerate professor. Everything in his class is fair and professional. He wants his students to do well but also learn the material and he is always looking for ways to improve his course. He also has given every student econometrics advice outside of the bounds of this class which was extremely useful. Overall a great professor.”

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“Prof. Malacarne is one of the best economics instructors. He not only cares about the quality of students’ learning but also about students’ well-being. Each class he shared a survey to check how students are doing in life and encouraged us to come see him during office hours if we are facing any personal/academic difficulties. He was flexible and understanding as we were all navigating through virtual learning during these unprecedented times. I have never had such a caring instructor who provides us with many opportunities to grow.”

Fall 2019

“It was evident that Jonathan cared deeply for the quality of his teaching and the learning of his students. He frequently brought in outside sources to show real-life applications of topics covered in class. I would recommend his course to others or take another course taught by him.”

“Jonathan is the best economics instructor I have had at the University of Maine. His teaching style is very thoughtful and clear, and he is a very accessible and caring instructor. He pays attention to his students and their needs and interests. His method of teaching, which combines clear and concise explanations of theory with interesting examples of research and applications, made the class both useful and engaging for me. His perspectives on economics and social issues are a breath of fresh air, and he does an excellent job of discussing issues of gender equity, racial diversity, and class divides that are especially important to our work in economics, which many other professors are unwilling or unable to acknowledge. I absolutely loved this class and loved having him as a professor.”

“I can't stress enough what a great classroom environment Jonathan makes. You can feel that he genuinely respects us and wants us to learn. He definitely pushes you and you have to work hard but he's always available to help.”

- 2) Independent Study – Supply and Demand for Agricultural Products (ECO 530), University of Maine, Orono ME (1)

Undergraduate

Number of occurrences in parentheses.

- 1) Mathematical Economics (ECO 480), University of Maine, Orono ME (2).

Comments:

Fall 2021 (Hyflex – in person, remote synchronous, remote asynchronous)

“This was a challenging course, being able to confidently meet with Professor Malacarne to work on the weekly assignments was beyond valuable. I never felt horribly lost for long as the time he was willing to devote to one on one help is what I would say contributed

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most to my success in this course.”

“Prof Malacarne is a great Economics Professor, great at teaching complicated ideas, very understanding of students and kind, while remaining challenging. 10/10 professor.”

“This course went far deeper into economics than any other course I have taken at this university. It was great to get a more complete and mathematical perspective on some previously covered economic topics.”

Spring 2020

“I appreciated the content in the course. It felt like an actual application of all of the economics I've learned and deepened my understanding of why things happen.”

“I appreciated how open the professor was to help students and how he went above and beyond to make sure the student understood the material presented.”

“With Corona transition, I think it was handled in the best possible way.”

2) Game Theory (ECO 363), University of Maine, Orono ME. (1)

Comments:

Spring 2021 (Hyflex – in person, remote synchronous, remote asynchronous)

“This course was very different and extremely refreshing when compared to the list of econ classes I have taken here at UMaine. Professor Malacarne provided entertaining and interesting material, which I can only hope others can have the pleasure of enjoying in the future.”

“Prof. Malacarne is a good educator. He keeps his classes interesting while on topic. He allows classroom discussion to diverge from the topic when it benefits student creativity within Game Theory. He encourages his students in and out of the classroom. In short, UMaine is a better school with Prof. Malacarne on campus.”

3) The Maine Farm and Food Economy (ECO 370), Univ. of Maine, Orono ME. (1)

Comments:

Fall 2021 - (Hyflex – in person, remote synchronous, remote asynchronous)

“The course was very well–structured, with professionals from their respective fields being invited to speak to us every week – it has been very interactive and enjoyable!”

“Professor Malacarne did a great job highlighting how interesting and complex the farm and food economy is. The content was thought provoking and inspiring.”

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“The format of the course created an excellent learning environment where I felt I was introduced to experts in individual fields rather than a single professor with broad but limited knowledge of the industries covered. I felt there was an interesting variety of ways to interact with speakers and classmates that furthered my learning in ways I hadn’t expected.”

Advising/Mentoring

Graduate

Advising/mentoring at University of Maine, Orono ME unless otherwise indicated.

- 10) Abigail Bennett, M.S. Ecology and Environmental Science, 2022 – Present (Committee)
- 9) Ana Maria Ospina Tobar, M.S. Economics, 2021 – Present (Chair)
- 8) Sara Kelemen, M.S. Plant, Soil, and Env. Science, 2020-Present (Committee)
- 7) Prianka Sarker, M.S. Economics, 2020 – Present (Committee)
- 6) Shelby Francis, M.S. Economics, 2020—Present (Chair)
- 5) Antonio Jurlina, M.S. Economics, 2020 – 2021 (Committee).
- 4) Nicholas Alvarez, M.S. Economics, 2020 – 2021 (Committee).
- 3) Will Crisler, M.S. Economics, 2020 – 2021(Committee).
- 2) Sujan Chakraborty, M.A. Economics, 2019-2020 (Committee).
- 1) Lauren R. Miller, M.S. Economics, 2019 - 2021 (Chair).

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Undergraduate

Advising/mentoring at University of Maine, Orono ME.

<u>Semester</u>	<u># New Advisees</u>
Fall 2021	2
Spring 2020	4
Fall 2020	4
Spring 2021	1
Fall 2021	1

Service

Contributions to University

Maine Hello Volunteer, Fall 2021.

School of Economics, Graduate Committee, 2019-Present.

School of Economics, Diversity, Equity and Inclusion Committee, 2021 - Present

UMaine Student Symposium – Judge, Fall 2020.

Honors College, HON 111 Vesuvius Panelist, Fall 2020

Contributions to Profession

Referee: American Journal of Agricultural Economics, Revista Desarrollo y Sociedad, Journal of Economic Behavior and Organization, European Review of Agricultural Economics, Geneva Papers on Risk and Insurance, PLOS One

Committee Member: Northeast Agriculture and Resource Economics Association Master’s Thesis Award Committee. (2020-2022).

Reviewer.

- Agricultural and Applied Economics Association annual meeting submissions. (2021 - Present).
- USDA AFRI Rapid Response to Novel Coronavirus Impacts Across Food and Agricultural Systems. (2020).

Moderator. Ag Finance and Farm Management - Issues in Farmland Valuation and Cash Rents. Agricultural and Applied Economics Association Annual Meetings. Atlanta, GA. 2019.

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Contributions to Maine and the Community

2021

- Advisory Committee Member – Sodexo “The Maine Course”

2020

- Reviewer for Maine Organic Farmers and Gardeners Association (MOFGA) Technical Assistance Grant
- Participant in Forager’s COVID19 roundtables regarding the response of the Maine Food system to the COVID19 pandemic.
- Provided technical support for Maine farmers setting up online marketplaces in response to COVID19.
- Survey design for UMaine Cooperative Extensions feedback surveys regarding farmer support Zoom meetings and Maine Farmer newsletter.

Professional Memberships

American Economics Association, 2013-Present.

Agricultural and Applied Economics Association, 2013 – Present

Feed the Future Innovation Lab for Market Risk and Resilience, 2016—Present

Northeast Agricultural and Resource Economics Association, 2018 – Present

Farm and Ranch Stress Assistance Network – Northeast, 2020 – Present

Professional Development

NAREA Career Advancement and Mentorship Program (CAM). September 2021 – August 2023.

NARES Scholars Circle. Participate in monthly meetings with a small circle of economics scholars around the Northeast to provide/receive peer mentorship, build collaborative networks, and improve research quality. September 2020 – ongoing.

Brightspace Workshop (12 parts). Center for Innovation in Teaching and Learning. University of Maine. Orono, ME. July 2020.

Online Teaching Community of Practice (6 weeks). Center for Innovation in Teaching and Learning. University of Maine. Orono, ME. June 11 – July 16, 2020.

Grants 101: Seeking, Analyzing, and Writing Basics. Folger Library and Office of Research Development. University of Maine. Orono, ME. 2019.

Advising Conference. College of Liberal Arts and Sciences. University of Maine. 2019.

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Foundations in Teaching Certificate. Center for Educational Effectiveness. University of California, Davis. 2017.

Grant Writing by Early Career Professionals Workshop. Agricultural and Applied Economics Association. Chicago, IL. 2017.

Last updated February 2022.