

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.
2009 B.A. Economics with Distinction. University of Virginia. Charlottesville, VA.

Experience

Academic

Associate Professor, School of Economics, University of Maine, 2026 – Present.
Assistant Professor, School of Economics, University of Maine, 2019—2026.
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 (* indicates joint work with UMaine students)

Book Chapters

1) McFadden, J., Bailey, S., Bonin, D., Paul, L., & **Malacarne, J.** (2026). Drought-tolerant crops as a drought adaptation tool: productivity, input complementarity, and risk effects. In Handbook on Climate Change Impacts, Mitigation, and Adaptation in Agriculture (pp. 200-230). Edward Elgar Publishing.

Peer-Reviewed Publications

14*) Thapa, B., Anup, K., Daigneault, A., **Malacarne, J.**, Daigle, J., & Weiskittel, A. (2026). A systematic literature review on the valuation of mountain cultural ecosystem services. *Ecosystem Services*, 79, 101859. <https://doi.org/10.1016/j.ecoser.2026.101859>

- 13) **Malacarne, J. G.**, & Paul, L. A. (2026). Measuring and enhancing resilience of United States rural communities in the context of climate variability. *Agricultural and Resource Economics Review*, 1–8. doi:10.1017/age.2026.10022
- 12) Ryan, C. H., Morgan, C., **Malacarne, J. G.**, & Belarmino, E. H. (2025). An Asset-Based Examination of Contextual Factors Influencing Nutrition Security: The Case of Rural Northern New England. *Nutrients*, 17(2), 295. <https://doi.org/10.3390/nu17020295>
- 11*) **Malacarne J.G.**, Miller L., Ospina A.M., Wyatt B. (2025). "Diverse and (Sometimes) Divergent Needs in Maine's Wild Blueberry Industry". Available Online at <https://www.choicesmagazine.org/choices-magazine/submitted-articles/diverse-and-sometimes-divergent-needs-in-maines-wild-blueberry-industry>
- 10) Schattman, R. E., **Malacarne, J.G.**, Mallory, E. B., & Goossen, C. P. (2024). Supporting farmers in coping with water extremes: aligning farmer needs and advisor confidence, skills, and expertise. *Environmental Research: Food Systems*, 1(2), 025002. <https://iopscience.iop.org/article/10.1088/2976-601X/ad63ab>
- 9) Boucher, Stephen R., Carter, Michael R., Flatnes, Jon Einar, Lybbert, Travis J., **Malacarne, J.G.**, Marenja, Paswel P., Paul, Laura A.. Bundling Genetic and Financial Technologies for More Resilient and Productive Small-Scale Farmers in Africa, *The Economic Journal*, Volume 134, Issue 662, August 2024, Pages 2321–2350, <https://doi.org/10.1093/ej/ueae012>
- 8*) Sarker, Prianka, Daley, Angela, & **Malacarne, J.G.** (2024). *Agricultural and Resource Economics Review*. "The effects of a universal income transfer on food insecurity within households". <https://doi.org/10.1017/age.2024.4>
- 7) Niles, M., McCarthy, A.C., **Malacarne, J.G.**, Bliss, S., Belarmino, E.H., Laurent, J., Merrill, S., Nowak, S.A., Schattman, R. (2024). "Home food production associated with improved food security during the COVID-19 pandemic". *Scientific Reports*. <https://doi.org/10.1038/s41598-024-52320-z>
- 6) Belarmino, E.H., **Malacarne, J.G.**, Niles, M., McCarthy, A., Nowak, S., Merrill, S., Laurent, J., Schattman, R., Yerxa, K.. (2024). "Suboptimal diets identified among adults in two rural states during the COVID-19 pandemic". *Journal of Hunger and Environmental Nutrition*. <https://doi.org/10.1080/19320248.2024.2313524>
- 5) Alloush, Mo, Bloem, Jeffrey R., **Malacarne, J. G.** (2023) "Social Protection Amid a Crisis: New Evidence From South Africa's Older Person's Grant". *World Bank Economic Review*. <https://doi.org/10.1093/wber/lhad037>

4) **Malacarne, J. G.** (2023). "The Farmer and the Fates: Locus of Control and Investment in Rainfed Agriculture." *Applied Economic Perspectives and Policy* 1–19. <https://doi.org/10.1002/aepp.13403>

3*) Miller, L., & **Malacarne, JG** (2023). What role can farmers markets play in the larger context of food access? A simulation model with application to the state of Maine. *Applied Geography*, 158, 103053. <https://doi.org/10.1016/j.apgeog.2023.103053>

2) **Malacarne, J. G.**, & Paul, L. A. (2022). Do the benefits of improved management practices to nutritional outcomes "dry up" in the presence of drought? Evidence from East Africa. *Food Policy*, 113, 102332. <https://doi.org/10.1016/j.foodpol.2022.102332>

1) **Malacarne, JG**, Jason Lilley, & Nancy McBrady. (2021) "The Response of the Maine Food System to the Onset of COVID-19 Pandemic." *Maine Policy Review* 30.2: 34 -47. <https://doi.org/10.53558/hdxw8592>

In Review

5) Laurent, Jennifer, Bertmann, Farryl, Alpaugh, Mattie, Belarmino, Emily, Bliss, Sam, **Malacarne, J.G.**, McCarthy, Ashley C., Merrill, Scott, Schattman, Rachel, Yerxa, Kathryn, & Niles, Meredith T. "Food Security and Health Outcomes Following the COVID-19 Pandemic in Northern New England".

4*) Kelemen, S., Schattman, R., Roesch-McNally, G., Basche, A., Rosenzweig, S., **Malacarne, J.G.**, & Erich, S.. (In review). "Agricultural ecosystem service marketplaces: Farmer perspectives on program efficacy and soil health management".

3*) Ospina, A.M., **Malacarne, J.G.**, Boucher, Stephen R., Manuel, Lourenco, Popat, Meizal, & Jones, Rachel. (In review). "Experimenting with Drought Tolerant Maize and Index Insurance in a Low-cost Virtual Environment".

2) Kramer, Berber, **Malacarne, J.G.**, & Waweru, Carol. (In review). "How does willingness to pay for insurance depend on control over future insurance payouts? Evidence from a Picture-based Insurance Intervention in Kenya".

1) Kramer, Berber, **Malacarne, J.G.**, & Waweru, Carol. (In review). "How does bundling complementary technologies affect demand for seeds? Evidence from a Picture-based Insurance Intervention in Kenya".

In Preparation

5*) **Malacarne, J.G.** and Leavitt, Kevin. "Updated Costs and Returns in Supplemental Irrigation Systems for Maine Wild Blueberries".

- 4) **Malacarne, J.G.**, Belarmino, Emily, & Morgan, Caitlin. "Diet quality and the cost of a nutritious diet in rural areas."
- 3) **Malacarne, J.G.**, Boucher, S., & Carter, M. "Salient Risks and Contract Quality: Estimating Demand for Index Insurance in Mozambique and Tanzania".
- 2) **Malacarne, J.G.**, Boucher, S., & Carter, M. R. "Can Program Designers Use Sharp Targeting to Improve Efficiency Without Cutting Themselves (Or Anyone Else)?".
- 1) **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".

Policy Briefs and Industry Report and Posted Working Papers

- 14) Mitchell, Rebecca C.; Anderzén, Janica; Belarmino, Emily H.; Bertmann, Farryl; Bliss, Sam; Laurent, Jennifer S.; **Malacarne, Jonathan**; McCarthy, Ashley C.; Merrill, Scott; Nowak, Sarah; Schattman, Rachel E.; Yerxa, Kathryn; and Niles, Meredith T., "Experiences and Ongoing Challenges of Food Insecure Households in Vermont and Maine" (2025). College of Agriculture and Life Sciences Faculty Publications. 207. <https://scholarworks.uvm.edu/calsfac/207>
- 13) **Malacarne, J.G.**, and Sitts, Sarah. "Locus of Control Influenced Farmer Investment in Drought-tolerant Maize". MRR Evidence Insight (2025). <https://basis.ucdavis.edu/publication/locus-control-influences-farmer-investment-drought-tolerant-maize>
- 12*) **Malacarne, JG**; Bilinski, Cheryl; Wyatt, Bruce; and Leavitt, Kevin, "The Use of and Interest in Ancient Grains in Northeastern Institutional Kitchens" (2024). School of Economics Faculty Scholarship. 26. https://digitalcommons.library.umaine.edu/eco_facpub/26
- 11) **Malacarne, Jonathan** & Howard, Christina, "'Why Are You Seeking Out Farm Training?' 2022 New Farmer Survey Results" (2022). Cooperative Extension -Agriculture. 18. https://digitalcommons.library.umaine.edu/extension_ag/18
- 10) McCarthy, Ashley C.; Bertmann, Farryl; Belarmino, Emily H.; Bliss, Sam; Laurent, Jennifer; **Malacarne, Jonathan**; Merrill, Scott; Schattman, Rachel E.; Yerxa, Kathryn; and Niles, Meredith T., "A 2022 Assessment of Food Security and Health Outcomes during the COVID-19 Pandemic" (2022). College of Agriculture and Life Sciences Faculty Publications. 192. <https://scholarworks.uvm.edu/calsfac/192>
- 9) **Malacarne, JG.** (2022). Bringing Coffee to the Table: Research and Policy Priorities for Enhanced Resilience and Equity in Smallholder Coffee Production. Prepared for the National Coffee Association.

8) Annis, S., Calderwood, L., Phanning, P., **Malacarne, J.**, Zhang, Y. "2021 Wild Blueberry Research & Extension 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. <https://scholarworks.uvm.edu/cnhsfac/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. <https://scholarworks.uvm.edu/calsfac/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.**, Marennya, P., & Paul, L. A. (2021). Bundling Genetic and Financial Technologies 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.**, Marennya, 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.**, Marennya, P., and Paul, L.. (2019). Bundling Innovative Risk Management Technologies to Accelerate Agricultural Growth and Improve Nutrition. MRR Innovation Lab Project Report.

Invited Presentations

25) **Malacarne, J.G.**, Schattman, R., Yerxa, K., and Anderson, J. "Experiences and Ongoing Challenges of Food Insecure Households in Maine and Vermont." Maine Stakeholder Listening Session. March 2025.

24) **Malacarne, J.G.** "Pricing Agricultural Products". University of Maine, New Farmers Project: Business Planning for Producers". November 2024. Virtual.

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23) **Malacarne, J.G.** "Behavioral Economics and Beyond: Insights to Improve Programming for Rural Development". Feed the Future Innovation Lab for Markets Risk and Resilience. November 2024. Virtual.

22) **Malacarne, J.G.** "Subsidizing Learning about Resilience-building Agricultural Technologies in Mozambique". Feed the Future Innovation Lab for Markets Risk and Resilience. May 2024. Washington, D.C.

21) **Malacarne, J.G.** "Bundling Genetic and Financial Technologies for More Resilient and Productive Small-scale Farmers in Africa". CGIAR Standing Panel on Impact Evaluation. April 2024. Virtual.

20) **Malacarne, J.G.** "Subsidizing Learning about Resilience-building Agricultural Technologies in Mozambique". Feed the Future Innovation Lab for Markets Risk and Resilience. May 2023. Atlanta, GA.

19) **Malacarne, J.G.** "Bundling Genetic and Financial Technologies: Evidence of impact and valuation". Virginia Tech, Department of Agricultural and Applied Economics. March 2023.

18) **Malacarne, J.G.** "Economics of Hemp Production and Marketing". Virtual. March 2023.

17) **Malacarne, J.G.** "Bundling Genetic and Financial Technologies: Evidence of impact, valuation, and the learning process". International Food Policy Research Institute (IFPRI). Washington, D.C. December 2022.

16) **Malacarne, J.G.** "Bringing Coffee to the Table: Research and Policy Priorities for Enhanced Resilience and Equity in Smallholder Coffee Production". A World of Possibilities - National Coffee Association Convention. March 2022.

15) **Malacarne, J.G.** "Economics of Hemp Production and Marketing". Virtual. March 2022.

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.

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- 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.
- 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

- 23) **Malacarne, J.G.** “Comparing the Cost and Quality of American Diets Across Alternative Rural-Urban Typologies”. Northeastern Agriculture and Resource Economics Association (NAREA). June 2026.
- 22) **Malacarne, J.G.** “Comparing the Cost and Quality of American Diets Across Alternative Rural-Urban Typologies”. Maine Economics Conference. Bates College. April 2026.
- 20) **Malacarne, J.G.** “Experimenting with Drought Tolerant Maize and Index Insurance in a Low-cost Virtual Environment”. Maine Economics Conference. Bowdoin College. April 2025.
- 19) **Malacarne, J.G.** and Paul, Laura. "Measuring and Enhancing Resilience of United States Rural Communities in the Context of Climate Variability". Northeastern Agriculture and Resource Economics Association (NAREA). June, 2024.
- 18) **Malacarne, J.G.**, Kramer, B., Waweru, C. "Summing the parts: How does bundling affect willingness-to-pay for seeds and insurance in a sample of Kenyan farmers?". Agricultural & Applied Economics Association Annual Meeting (AAEA). Washington, D.C. July 2023.

- 17) **Malacarne, J.G.**, Kramer, B., Waweru, C. "Control over future payouts and willingness-to-pay for insurance: Experimental evidence from Kenyan farmers". Agricultural & Applied Economics Association Annual Meeting (AAEA). Washington, D.C. July 2023.
- 16) **Malacarne, J.G.**, Kramer, B., Waweru, C. "Summing the parts: How does bundling affect willingness-to-pay for seeds and insurance in a sample of Kenyan farmers?". Maine Economics Conference. Lewiston, Maine. April 2023.
- 15) **Malacarne, J.G.** "Locus of Control as a Moderator of the Relationship Between Experience and Learning". American Economic Association Annual Meeting (AEA/ASSA). New Orleans, Louisiana. January 2023.
- 14) **Malacarne, J.G.** and Paul, Laura. "Do the Benefits of Better Management Practices on Consumption Outcomes ``Dry Up" in the Presence of Drought? Evidence from East Africa". Northeastern Agricultural and Resource Economics Association. Mystic, CT. 2022.
- 13) Boucher, S. R., Carter, M. R., Flatnes, J. E., Lybbert, T. J., **Malacarne, J. G.**, Marennya, 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: \$6,132,443 total

\$1,507,956 based on percent responsibility

Funded External Grants

- 18) **Title:** “Investing in the Economic Health of the Wild Blueberry Industry” (\$16,725)
Investigators: Jonathan Malacarne (PI: 100%)
Sponsor: Wild Blueberry Advisory
Project Dates: 4/1/2026 – 12/31/2026
- 17) **Title:** “How worth it is irrigation?” (\$15,673)
Investigators: Jonathan Malacarne (co-PI, 25%), Rachel Schattman, Lily Calderwood, Julia Barra Netto-Ferreira
Sponsor: Wild Blueberry Advisory
Project Dates: 4/1/2026 – 12/31/2026
- 16) **Title:** "Facilitating uptake of resilience-enhancing technologies with stochastic benefits by subsidizing learning (USAid Replacement Grant)" (\$125,060)
Investigators: Jonathan Malacarne (co-PI: 100%), Michael R. Carter (co-PI), Steve Boucher (co-PI), and Lourenco Manuel (co-PI).
Sponsor: Weiss Fund for Research in Development Economics
Project Dates: 6/1/2025 – 5/31/2026
- 15) **Title:** Home and Wild Food Production Links to Health (\$206,799)
Investigators: Jonathan Malacarne (PI: 75%), Kate Yerxa (co-PI).
Sponsor: USDA NIFA - AFRI
Project Dates: 2/1/2025 – 12/31/2028
- 14) **Title:** NAREA Workshop on Measuring and Enhancing Resilience of United States Rural Communities in the Context of Climate Variability (\$49,799)
Investigators: Jonathan Malacarne (PI: 100%), Laura Paul
Sponsor: USDA NIFA - AFRI
Project Dates: 6/1/2024 – 12/31/2024
- 13) **Title:** Supplement to “Facilitating uptake of resilience-enhancing technologies with stochastic benefits by subsidizing learning” (\$185,000)
Investigators: Stephen Boucher, : Jonathan Malacarne (co-PI, 50%), Meizal Popat, Lourenco Manuel
Sponsor: MRR Innovation Lab – USAID
Project Dates: 12/1/2023 — 6/30/2025
- 12) **Title:** Supplement to “Soil Health Collaboration and Demonstration” (\$1,322,728)
Investigators: Rachel Schattman, Janica Anderzen, **Jonathan Malacarne** (Co-PI: 10%), Jason Lilley
Sponsor: USDA – Agricultural Research Service

Project Dates: 7/1/2023 – 6/30/2026

- 11) **Title:** Supplement to “Heterogeneity in nutrition in rural and nonrural areas” (\$23,600)
Investigators: Jonathan Malacarne (Co-PI, 100%), Emily Belarmino, Caitlin Morgan
Sponsor: USDA – Agricultural Research Service
Project Dates: 7/1/2023 – 6/30/2025
- 10) **Title:** Heterogeneity in nutrition in rural and nonrural areas (\$50,000)
Investigators: Jonathan Malacarne (Co-PI, 50%), Emily Belarmino
Sponsor: National Institute of Health – Northern New England Clinical and Translational Research Network
Project Dates: 7/1/2023 – 6/30/2024
- 9) **Title:** Current and Future Climate Change Effects On The Ecosystem Services And Economics Of Wild Blueberries (\$650,000)
Investigators: Rachel Schattman, Jonathan Malacarne (Co-PI, 6%), Brian McGill, Stephanie Miller, Philip Fanning, Lily Calderwood, Yongjiang Zang, Sean Birkel, Seanna Annis
Sponsor: USDA - NIFA - Agriculture and Food Research Initiatives (AFRI)
Project Dates: 3/15/2023 – 3/15/2027
- 8) **Title:** 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) **Title:** Equipping New Farmers with Practical Skills and Knowledge (\$582,400)
Investigators: David Handley (PD), Jonathan Malacarne (Sr. Prsnl, 10%), Colt Knight, Tori Lee Jackson
Sponsor: USDA-NIFA Beginning Farmer and Rancher Development Program
Project Dates: 9/1/2021 – 8/30/2024
- 6) **Title:** Facilitating uptake of resilience-enhancing technologies with stochastic benefits by subsidizing learning (\$626,186)
Investigators: Jonathan Malacarne (PI, 100%), Stephen Boucher, Meizal Popat, Lourenco Manuel
Sponsor: MRR Innovation Lab – USAID
Project Dates: 9/1/2021 – 6/30/2025
- 5) **Title:** Identifying Research and Policy Priorities for Enhanced Resilience and Equity in Smallholder Coffee Production (\$12,500)
Investigators: Jonathan Malacarne (PI, 100%)
Sponsor: National Coffee Association
Project Dates: 6/1/2021 – 8/31/2021

- 4) **Title:** 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) **Title:** 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 (Sr. Prsnl, 15%)**, Renee Page, Lily Calderwood
Sponsor: Maine DACF Agricultural Development Grant
Project Dates: June 1, 2020 – Dec. 31, 2021
- 2) **Title:** Value-Added Grains for Local and Regional Food Systems (\$2,000,000)
Investigators: Mark Sorrells (PD) and many investigators including **J.G. Malacarne** (co-PD, 5%)
Sponsor: USDA - NIFA - Organic Research and Extension Initiatives
Project Dates: Sept 1, 2020 – Aug 31, 2023
- 1) **Title:** State of the Maine Wild Blueberry Industry Survey (\$23,487)
Investigators: **J.G. Malacarne (PD, 100%)**, Lily Calderwood, Phillip Fanning
Sponsor: Wild Blueberry Advisory Committee
Project Dates: March 1, 2020 – Dec 31, 2020

Selected Awards/Honors

- 6) College of Earth, Life, and Health Sciences Outstanding Research Collaboration Award. "Wild Blueberry Research Team. Dr. Seanna Annis, Dr. Sean Birkel, Dr. Lily Calderwood, Dr. Philip Fanning, Dr. Robson Machado, **Dr. Jonathan Malacarne**, Dr. Brian McGill, Dr. Stephanie Miller, Dr. Jennifer Perry, Dr. Rachel Schattman, and Dr. Yongjiang Zhang. 2025.
- 5) Nominated for the Northeast Association of Student Employment Administrators (NEASEA) Supervisor of the Year, 2023.
- 4) Nominated for University of Maine, Faculty Mentor Impact Award, 2023.
- 3) 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.

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

1) 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.
- 2) Independent Study – Supply and Demand for Agricultural Products (ECO 597), University of Maine, Orono ME
- 3) Independent Study – Applications of Python in Experimental Economics (ECO 597), University of Maine, Orono ME

Undergraduate

Number of occurrences in parentheses.

- 1) Mathematical Economics (ECO 480), University of Maine, Orono ME.
- 2) Game Theory (ECO 363), University of Maine, Orono ME.
- 3) The Maine Farm and Food Economy (ECO 370), Univ. of Maine, Orono ME.
- 4) Independent Study – Law and Economics (ECO 497), University of Maine, Orono ME

Advising/Mentoring

Graduate

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

- 18) Nana Aly, Fulbright Scholar, M.S. Economics, 2025 (Chair)
- 17) Samuel Fosu, M.S. Economics, 2024 – 2026 (Chair)
- 16) Bobby Thapa, Ph.D., Forest Resources, 2024 – 2026 (Committee)
- 15) Oluwafisayo Ajayi, M.S. Economics, 2023 – 2025 (Committee)
- 14) Kevin Leavitt, M.S. Financial Economics, 2023 - 2025 (Chair)
- 13) Bruce Wyatt, M.S. Economics, 2023 - 2025 (Chair)
- 12) Hernan Trujillo Quintero, Ph.D., Forest Resources, 2023 – 2025 (Committee)
- 11) Abigail Bennett, M.S. Ecology and Environmental Science, 2022 – 2023 (Committee)
- 10) Ana Maria Ospina Tobar, M.S. Economics, 2021 – 2023 (Chair)
- 9) Sara Kelemen, M.S. Plant, Soil, and Env. Science, 2020-2022 (Committee)
- 8) Prianka Sarker, M.S. Economics, 2020 – 2022 (Committee)
- 7) Shelby Francis, M.S. Economics, 2020—2022 (Chair)

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- 6) Antonio Jurlina, M.S. Economics, 2020 – 2021 (Committee).
- 5) Kristen Settele. M.A. 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).

Undergraduate Capstone Projects and Honors Theses

- 4) Baylor Landsman. Honors Thesis. (2025). "Perspectives among Mount Desert Island Residents of the Cruise Ship Industry".
- 3) Conor J. Evans-Ralston. Honors Thesis. (2025). "The Tangibility Effect and Preferences for Online Payments"
- 2) Ashley Burnham. Environmental Horticulture and Economics (2022). "Building a Robust Tool for Maine Agricultural Price Reporting"
- 1) Eleanor Hunt. Animal and Veterinary Sciences (2021). "From the Farmer's Mouth: Dairy Farmers' Perspectives on the Future of the Maine Dairy Industry"

Service

Contributions to University

University of Maine, Financial Disclosure Review Committee, 2026 - Present
School of Economics, Graduate Committee, 2019-2022, 2023 – Present
School of Economics, Ad Hoc Task Force on PhD Program Creation, 2024 - Present
School of Economics Director Search Committee, 2023.
University of Maine Economics Club, Faculty Advisor, Spring 2022 - Present
School of Economics, Diversity, Equity and Inclusion Committee, 2021 - 2023
Maine Hello Volunteer, Fall 2021, Fall 2022, Fall 2023.
UMaine Student Symposium – Judge, Fall 2020, Spring 2022, Spring 2023.
Honors College, HON 111 Panelist, Fall 2020, Fall 2022

Contributions to Profession

Editor:

- Agricultural and Resource Economics Review. 2025 - Present

Special Issue Guest Editor:

- Agricultural and Resource Economics Review. "Measuring and Enhancing Resilience of United States Rural Communities in the Context of Climate Variability". 2023-2025.

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Referee: American Economic Review, Journal of Agriculture and Resource Economics, Journal of Development Economics, World Development, Journal of Agricultural and Applied Economics, Agricultural Economics, Economics Bulletin, Food Policy, Agricultural Water Management, Agriculture and Human Values, Revista Desarrollo y Sociedad, Journal of Economic Behavior and Organization, European Review of Agricultural Economics, Geneva Papers on Risk and Insurance, PLOS One, Maine Policy Review, Society and Natural Resources

Committee Member:

- Northeast Agriculture and Resource Economics Association Selected Papers Committee. (2023-Present).
- Northeast Agriculture and Resource Economics Association. Post-conference Workshop Committee. (2023-2024).
- Northeast Agriculture and Resource Economics Association Master's Thesis Award Committee. (2020-2022).

Reviewer:

- Agricultural and Applied Economics Association annual meeting submissions. (2021 - Present).
- IFPRI Grant Reviewer – “Research to support the SPIR II RFSA learning agenda” (2022).
- USDA AFRI Rapid Response to Novel Coronavirus Impacts Across Food and Agricultural Systems. (2020).

Moderator/Session Chair.

- Post Conference Workshop Organizer. “Measuring and Enhancing Resilience of United States Rural Communities in the Context of Climate Variability”. Northeast Agricultural and Resource Economics Association Annual Meeting. Rehoboth Beach, Delaware. June 2024.
- Irrigation and Crop Insurance. Agricultural and Applied Economics Association Annual Meetings. Washington D.C. July 2023.
- Applying New Insights from Behavioral Economics to Old Puzzles in International Agricultural Development. American Economic Association Annual Meeting (AEA/ASSA). New Orleans, Louisiana. January 2023.
- Ag Finance and Farm Management - Issues in Farmland Valuation and Cash Rents. Agricultural and Applied Economics Association Annual Meetings. Atlanta, GA. July 2019.

Contributions to Maine and the Community

2025

- Developed and deployed the “Cover Crop Cost Estimator” tool in collaboration with UMaine Cooperative Extension and the UMaine Agroecology Lab. The tool is a web-based application for creating and comparing vegetable crop enterprise budgets using different cover cropping strategies.
- Maintained the Maine Farmers Market Price Report Dashboard.

2024

- Maintained the Maine Farmers Market Price Report Dashboard. The report collected 1,316 prices during the 2024 farmers market season and was accessed 5,675 times.
- Provided program input and grant reviews to the Maine Organic Farmers and Gardeners Association and Maine Farmland Trust.

2023

- Maintained the Maine Farmers Market Price Report Dashboard. The report collected 4,728 prices during the 2023 farmers market season and was accessed 3,900 times.
- Provided input to State Representative Sally Jeane Cluchey in the preparation of LD 1767 "An Act to Develop and Provide Technical Assistance for Meat Slaughtering and Processing"

2022

- Designed and maintain the Maine Farmers Market Price Report Dashboard
- Agriculture Infrastructure Investment Program (AIIP) Grant Reviewer
- Developed, deployed, managed the Maine Farmers' Market Price Report. The report was accessed over 3,500 times during the 2022 Farmers Market Season.

2021

- Advisory Committee Member – Sodexo “The Maine Course” (2021 – Present)

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

Northern New England Clinical and Translational Research Network (NNE-CRT), 2023 - Present

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

Northeast Agricultural and Resource Economics Association, 2018 – Present

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

American Economic Association, 2013-Present.

Agricultural and Applied Economics Association, 2013 – Present

Last updated August 2026.