

Jennifer Hawkins
College of Tropical Agriculture and Human Resources
Department of Tropical Plant and Soil Sciences
FTE Distribution: 0% I; 0% R; 100% E

Education

<u>Degree</u>	<u>University</u>	<u>Major</u>
BS	Arkansas State University	Animal Science

Professional Appointments

<u>Title</u>	<u>Employer</u>	<u>Dates Employed</u>
Jr. Extension Agent-Edible Crops	University of Hawaii	2019 to Present
Jr. Extension Agent-DHHL	University of Hawaii	2017-2019
Small Business Specialist	County of Maui-OED	2013-2017
Jr. Extension Agent -DHHL	University of Hawaii	2011-2013
Extension Agent II-Agriculture	University of Arkansas CE	1996-2011

Publications (reverse chronological order)

Conference Proceedings

1. Hawkins, J., Jennings, J.A., Andrews, M., Huitink, G. and Gadberry, S. 2001. "Effects of Fall Soil Aeration on Bermudagrass Hay Yield", American Forage and Grassland Council Proceedings, 10:300-303, 2001.

Refereed Journal Publications

1. Paudel, R., Bartlett, B., Zamora, C.M., Keach, J.E., Gutierrez-Coarite, R., Hawkins, J., Ahmad, A., Motomura-Wages, S., Kirk, E.R., Lamour, K.H., Bernabe, C., Shintaku, M., and Miyasaka, S.C. 2022. Breeding and selection of Taro (*Colocasia esculenta*) for improved disease-resistance in Hawai'i. *Plants, People, Planet*. 2023; 5:123-145.
<http://nph.onlinelibrary.wiley.com/doi/10.1002/ppp3.10335>.

Other Journal Publications

1. Gadberry, M.S., Philipp, D., Beck, P., Brown, E. L., and **Hawkins, J.A.**, "Case Study: Effect of grazing, stage of maturity at harvest and glycerol treatment of wheat harvested as silage," *Professional Animal Science*, 2011; 27:257-261.

Extension Publications

1. Ahmad, A., Radovich, T., Uyeda, J., Motomura, S., Kirk, E., Silva, J., Tavares, K., Gutierrez-Coarite, R., **Hawkins, J.**, and Sugano, J. 2022. Intercropping: A Sustainable Strategy for Hawaii's Small Farm Holders. HanaiAi Newsletter. Volume 45: Jan/Feb/March 2022.
<https://gms.ctahr.hawaii.edu/gs/handler/getmedia.ashx?moid=71128&dt=3&g=12>
2. **Hawkins, J.**, Pastrana, J., Levin, P., Arakaki, A. Traditional Native Hawaiian Farming with Modern-Day Business Planning. November 2022.
https://drive.google.com/file/d/1gcDH0VWbAi5bZKhSs2QoJhWNPG7ncvs9/view?usp=drive_link
3. Greenwood, H., **Hawkins, J.**, Kirk, E., Keach, J., Cristobal, H., Hampton, M., Akahoshi, K., & Ooki, N. (2022). 'Ohana Garden & Grindz: Virtual, 2nd Edition. University of Hawai'i at Mānoa. Ho'olehua, HI. [Teaching Curriculum]
4. Greenwood, H., & **Hawkins, J.** (2020). 'Ohana Garden & Grindz: Virtual, 1st Edition. University of Hawai'i at Mānoa. Ho'olehua, HI. [Teaching Curriculum]
5. Silva, J., Tavares, K., **Hawkins, J.** and Kirk, E. 2022. Sound Cannons for Bird Deterrence: Regulations and Noise Complaints. HanaiAi Newsletter. Volume 45: Jan/Feb/March 2022.
<https://gms.ctahr.hawaii.edu/gs/handler/getmedia.ashx?moid=71125&dt=3&g=12>
6. **Hawkins, J.**, Bradish, C. 2022. Feature Farmer: Pualei Farm- Donna and Jason Gamiao. HanaiAi Newsletter. Volume 45: Jan/Feb/March 2022.
<https://gms.ctahr.hawaii.edu/gs/handler/getmedia.ashx?moid=71130&dt=3&g=12>
7. **Hawkins, J.** 2021. DEVELOPMENT CORNER: An Intergenerational Approach to Gardening: Growing TOGETHER. CTAHR Connections Alumni Newsletter. Issue 13, Fall 2021. <https://mailchi.mp/ctahr/ctahr-connections-november-2020-newsletter-10136725>
8. Lech, B., **J. Hawkins.** 2021. Feature Farmer: Moloka'i's Pu'u O Hoku Ranch. HanaiAi Newsletter. Volume 43: August/September/October 2021.
<https://gms.ctahr.hawaii.edu/gs/handler/getmedia.ashx?moid=69161&dt=3&g=12>
9. Silva, J., J. Uyeda, K. Tavares, **J. Hawkins**, S. Wages, K. Akahoshi, E. Kirk. March 2020. COVID-19 Farm Food Safety Reminders. University of Hawai'i at Manoa. Honolulu, HI
10. **Hawkins, J.** July 2020. Garden to Farm: Creating the Next Generation of Skilled Agriculture Workers. CTAHR Cooperative Extension Impact Statement.
https://drive.google.com/file/d/1l_mmWaDIqJERonrxHoZ4-XqjIOf4BMGC/view?usp=sharing
11. Greenwood, H., & **Hawkins, J.** (2018). Gardens & Grindz: An intergenerational approach to developing gardening and culinary skills to improve health. University of Hawai'i at Mānoa. Ho'olehua, HI. [Teaching Curriculum]

12. Arakaki, A. S., **J. Hawkins**, T. Radovich. May 2013. Farming with Bees: The Synchronization of Pollinator Plantings to Increase Production of Cucurbit Crops. UH CTAHR Tropical Plant and Soil Science (TPSS) Sustainable Agriculture Publication SA-6. <https://www.ctahr.hawaii.edu/oc/freepubs/pdf/SA-6.pdf>
13. Gadberry, S., Vestal, J., **Hawkins, J.**, Brown, E., Dodgen, B., Beuerman, A., Lawson, K., Beck, P., Richeson, J., "Extension Demonstrations Begin Studying the Effect on Grazing Wheat on Potential Grain Yield," Arkansas Animal Science Department Report, 2007.

Publications under review

1. **Hawkins, J.** G.E.T. Local: Herbs & Spices Poster. UH CTAHR G.E.T Local Website. 2023.
2. **Hawkins, J.** G.E.T. Local: Rosemary Poster. UH CTAHR G.E.T Local Website. 2023.
3. **Hawkins, J.** G.E.T. Local: Basil Poster. UH CTAHR G.E.T Local Website. 2023.
4. **Hawkins, J.** G.E.T. Local: Roselle Poster. UH CTAHR G.E.T Local Website. 2023.
5. **Hawkins, J.** G.E.T. Local: Ginger Poster. UH CTAHR G.E.T Local Website. 2023.
6. **Hawkins, J.** G.E.T. Local: Lemongrass Poster. UH CTAHR G.E.T Local Website. 2023.

Newspaper Articles

1. Greenwood-Junkermeier, H. 2023. Grow your own herbs: Adding flavor to food without salt and sugar. Maui News. March 2023. (Co-author- **J. Hawkins**) <https://www.mauinews.com/news/community-news/2023/03/grow-your-own-herbs-adding-flavor-to-food-without-salt-and-sugar/>
2. Greenwood-Junkermeier, H., J. Hawkins. 2022. Ohana Garden & Grindz is Growing. The Molokai Dispatch. June 2022. <https://themolokaidispatch.com/ohana-garden-and-grindz-is-growing/>
3. **Hawkins, J.** 2021. Leaf Beetle doing damage in the garden. The Molokai Dispatch. September.
4. Greenwood-Junkermeier, H. 2020. Make gardening an intergenerational affair. Maui News, Monthly Aging Matters Column. November 2021. (Co-author- **J. Hawkins**) <https://www.mauinews.com/news/community-news/2020/11/make-gardening-an-intergenerational-affair/>

Creative Works (Videos, Websites, Exhibits)

1. **Hawkins, J.**, A. Mangano. Ohana Garden & Grindz: Addressing the Spread of SARS-Cov-2 Utilizing A Virtual Family-Based Agriculture Education Aimed at Reducing Food Insecurity. Molokai Earth Day Event. Kaunakakai, HI. April 22, 2023.
2. **Hawkins, J.** Herbs and Spices as a Niche Market Display. Molokai Resource and Agriculture Fair. Hoolehua, HI. March 18, 2023.
3. **Hawkins, J.**, H. Greenwood-Junkermeier. Ohana Garden & Grindz: Addressing the

Spread of SARS-Cov-2 Utilizing A Virtual Family-Based Agriculture Education Aimed at Reducing Food Insecurity. Molokai Resource and Agriculture Fair. Hoolehua, HI. March 18, 2023.

4. **Hawkins, J.**, H. Greenwood-Junkermeier. Ohana Garden & Grindz: Addressing the Spread of SARS-Cov-2 Utilizing A Virtual Family-Based Agriculture Education Aimed at Reducing Food Insecurity. Molokai Health and Agriculture Fair. Hoolehua, HI. March 19, 2022.
5. **Hawkins, J.**, R. Coffee (HDOA). Farm Food Safety for Small Farmers. Molokai Health and Agriculture Fair. Hoolehua, HI. March 19, 2022.
6. **Hawkins, J.** Farm Food Safety/ Rat Lungworm Awareness. Molokai Heritage Rodeo Celebration, Mauanloa, HI. June 11, 2022
7. **Hawkins, J.** Farm Food Safety for Small Farmers. Maui Ag Fest. Kahului, HI. June 4, 2022.
8. Greenwood-Junkermeier, H., **J. Hawkins**. Google Classroom: 'Ohana Garden & Grindz. 2019, 2020, 2021, 2022.
9. **Hawkins, J.**, M. Joy, I. Ma'e. Video: Building a Deer Fence. Garden 2 Farm. April 2021.
10. **Hawkins, J.** Google Classroom: G2F Cohort 3-2020, Cohort 4-2021
11. **Hawkins, J.** Google Classroom: Papaya Project. Producers. November 2020.
12. **Hawkins, J.** Farm Tour Video: Beet Harvest. 2020.
13. Tavares, K., **J. Hawkins**. Produce Safety Video: Washing produce (Beets). 2020.
14. **Hawkins, J.** Field Demonstration on the Economic Feasibility of Utilizing Direct/Precision Seeding Methods in Vegetable Production on Molokai. Maui Ag Fest. Kahului, HI. June 1, 2019.
15. Greenwood-Junkermeier, H., **J. Hawkins**, N. Ooki. Agriculture Education as a Tool to Mitigate Chronic Disease Risk Factors. Maui Ag Fest. Kahului, HI. June 1, 2019. <https://drive.google.com/file/d/1SsGAznQNopHmJbqngG3edyVeUqC-Bv8s/view?usp=sharing>
16. **Hawkins, J.** Farm Food Safety Hand Washing Station Display. Molokai Farmer's Gathering. County of Maui Office of Economic Development. Lanikeha, Hoolehua, HI. February 22, 2019.
17. **Hawkins, J.** Farm Food Safety: Harvesting tool and tote display. Molokai Farmer's Gathering. County of Maui Office of Economic Development. Lanikeha, Hoolehua, HI. February 22, 2019.

Extension Outreach and Educational Presentations (Workshops, Trainings, Field Days)

1. **Hawkins, J.**, K. Franks. Tuesday Workshop: Green Onion Production. Hoolehua, HI. October 2023.
2. **Hawkins, J.** Tuesday Workshop: Herbs & Spices as a niche market: Roselle. Hoolehua, HI. October 2023.
3. **Hawkins, J.**, K. Franks, G. Teves, K. Cacpal. Tuesday Workshop: Irrigation Part 1 & 2. Hoolehua, HI. **September** 2023.
4. **Hawkins, J.**, K. Franks, G. Teves, K. Plant Health Series.
 - a. Workshop #1: Insect Identification & Control. (On-line). Hoolehua, HI. August 2023.

- b. Workshop #2: Diseases and Deficiencies. (On-line). Hoolehua, HI. September 2023.
- 5. **Hawkins, J.**, K. Ward, K. Cacpal. Herbs and Spices as a potential niche market for Molokai farmers and market gardeners.
 - a. *Introduction to Herbs and Spices. Molokai High School. April 2023.
 - b. How to make Turmeric Powder and Turmeric Paste. Molokai High School. April 2023.
 - c. Making Herb Butter. Molokai High School. May 2023.
 - d. Product Development & Presentations. Molokai High School. May 2023.
 - e. Product Debut & Sampling. Molokai High School. May 2023.
 - f. Introduction to Herbs and Spices. Molokai High School. September 2023.
 - g. Compounding Butter. Molokai High School. September 2023.
- 6. **Hawkins, J.**, K. Franks, G. Teves, K. Cacpal. Innovative Solutions for Soil Health: Compost Series + Blue Bucket Challenge. Hoolehua, HI. March-May 2023.
- 7. **Hawkins, J.**, K. Franks, G. Teves, K. Cacpal. Innovative Solutions for Soil Health Workshop 3 Part Series. Hoolehua, HI. February-March 2023.
- 8. **Hawkins, J.** Maui County Kupuna Gardening. On-line.
 - a. Intro to starting your own seeds- November 18, 2022
 - b. Transplanting vegetable starts- December 2, 2022
 - c. Class Check-in and Preparing for Harvesting- December 21, 2022
- 9. Wong, D., **Hawkins, J.**, Napoleon, L., Ronzello, J. Molokai Food to Grow Program.
 - a. Maunaloa Community. March 17, 2022.
 - b. Mana'e Community. September 15, 2022.
- 10. *Hawkins, J., A. Mangano. Healthy Living Workshop. Aina Pula Pula. Hoolehua, HI. September 24, 2022.
- 11. Teves, G., J. Hawkins. Seed Stewards Introductory Workshop (Train-the-Trainer). Hoolehua, HI. September 20, 2022.
- 12. Uyeda, J., **J. Hawkins**. Avocado Lace Bug Workshop. Hoolehua, HI. August 29, 2022.
- 13. *Arce, K., **J. Hawkins**. Maui County Department of Ag Priority Meeting. Hoolehua, HI. August 23, 2022.
- 14. **Hawkins, J.**, G. Teves, M. Hampton. LIVE @ Lunch with Jennifer
 - a. Introduction to Herbs (Jennifer). July 26, 2022.
 - b. Introduction to Seed Saving (Jennifer/Glenn). August 2, 2022.
 - c. More on Seed Saving (Glenn). August 9, 2022.
 - d. Herbs, Spices and Compounding Butter (Jennifer/Marielle). August 16, 2022.
 - e. Herbs, Spices, and Tea (Jennifer/Marielle). August 23, 2022.
 - f. Introduction to Soil Health (Jennifer). September 6, 2022.
 - g. Cooking with Herbs (Marielle). September 13, 2022.
- 15. **Hawkins, J.**, J. Ronzello, E. Shimizu, J. Yamamoto. Molokai Ag Business Summer Series- Sustainable Molokai/CTAHR-Molokai Cooperative Extension/GoFARM Hawaii. Hoolehua, HI.
 - a. Ag Business Record Keeping. June 30, 2022.
 - b. Ag Business Marketing. July 2022.
 - c. Financial Resources and Grant Opportunities. July 2022.
 - d. Ag Technologies/Equipment Field Day. August 18, 2022.

16. ***Hawkins, J.**, F. Tuipulotu. FEAST Soil Training. Molokai Middle School Uplink Summer Program. Hoolehua, HI. June 11, 2022.
17. ***Hawkins, J.**, Kelley, D., Vermicomposting for Molokai-Lanai Soil and Water District. Mahana Nursery. April 28, 2022.
18. ***Hawkins, J.** How to collect a Soil Sample Training. Keawanui Farm Staff. Mana'e, HI. April, 25, 2022.
19. ***Hawkins, J.**, Oshiro, M., Jha, R. Sustainable Molokai Poultry Workshop: Feed Options. Feeds and Feeding for Poultry. On-line.
 - a. Part 1- March 3, 2022.
 - b. Part 2- March 24, 2022
20. ***Hawkins, J.** Vermicomposting: How to Harvest Castings. Kualapuu Charter School. Kualapuu, HI. December 13, 2021.
21. **Hawkins, J.** Molokai Hawaiian Variety Huli Hand-out. MARDF. May 5, 2021.
22. **Hawkins, J.** Virtual Statewide Taro Field Day. Molokai, HI -Statewide. April 15, 2021.
23. **Hawkins, J.**, P. Levin, J. Pastrana, T. Radovich, A. Arakaki. Lunar Response in Kalo / Taro Growers On-Line Workshop Series.
 - a. Part 1: Soil Health: Organic Matter is the Key. November 18, 2020.
 - b. Part 2: Taro Health & Huli Prep. December 2, 2020.
 - c. Part 3: Taro Field Prep. Statewide. January 27, 2020.
 - d. Part 4: Lunar Calendar & Kilo. Statewide. February 24, 2021.
24. Tavares, K., J. Uyeda, and **J. Hawkins**. Farm Food Safety Irrigation Water Sanitation Demonstration. Hoolehua, HI. December 10, 2019.
25. **Hawkins, J.**, P. Levin, A. Arakaki, J. Pastrana, F. Tuipulotu, and A. Manango. Molokai Annual Taro Field Day. Hoolehua, HI. August 10, 2019.
26. **Hawkins, J.** Fruit Fly Management Workshop. Hoolehua, HI. June 26, 2019.
27. Cho, A., and **J. Hawkins**, Beginner Avocado Grafting Workshop. Hoolehua, HI. May 3, 2019.
28. **Hawkins, J.** Dragon Fruit 2-Part Workshop
 - a. Part 1-Production. Hoolehua, HI. March 13, 2019.
 - b. Part 2-Pruning & Propagation. Kuulei's Mahiai- Hoolehua, HI. March 20, 2019.
29. Ooki, N., **J. Hawkins**. Agduino Programming Camp. Molokai Cooperative Extension. Hoolehua, HI. September 5-7, 2019.
30. Ooki, N., J. Silva, K. Tavares, J. Uyeda, **J. Hawkins**. Agduino Programming Camp. Molokai Cooperative Extension. Hoolehua, HI. June 18-28, 2019.

(Note: * indicates invited to present)

Service Activities/Leadership Roles (Committees, Boards, Advisory)

- Mentor. 2 new Molokai Agents and 2 new Casual Hires. 2023.
- Advisor. Molokai High School CTE Program Advisory Council. 2017-Present
- Advisor. UH Maui College Molokai Education Center Advisory Committee. 2014-Present.

- Member. Molokai-Maui Invasive Species Committee (MoMISC). 2013-Present
- Committee Member. Search committee for Junior Extension Agent, CTAHR/Department of Hawaiian Homelands, Molokai. Position #820490T. 2022 (Hired)
- Committee Member. Search committee for Junior Extension Agent, "GET Local" - Farm to School Coordinator, Molokai. Position #85058T. 2021-2022 (Hired)
- Member. Molokai Cacao Association. 2021
- Member. Hui Ho'oku'ikahi Aloha Committee. 2020.
- Member. Growing Food, Farmers, and Healthy Families Committee. 2020.
- Member. Molokai Emergency Food Planning Committee. 2020
- **Committee Chair.** Search committee for Junior Extension Agent, CTAHR/Department of Hawaiian Homelands, Molokai. Position #820490T. 2020 (Hired)
- Member. Molokai-Lanai Soil and Water Commission Deer Working Group. 2019-2020.
- Member. Ho'opili Na Mahi'ai Farmer's Gathering" Planning Committee focused on Farm Food Safety. 2019-2020
- Committee Chair. Search committee for Maui County Urban Horticulture Extension Agent-Maui. Position #84075. 2020 (Postponed due to COVID)
- Member. Sustainable Molokai Internship Program Selection Committee. 2019-2020
- Member. County of Maui Office of Economic Development Molokai Food Safety Program Planning Committee. 2014-2020.
- Advisor. Liliuokalani Trust (LT) Molokai 30-year Plan Advisory Group. 2020.
- Committee Member. Search for Junior Extension Agent, "GET Local" - Farm to School Coordinator. Molokai. Position #85058T. 2020 (Hired)
- Ex-Officio. Makakuoha Cooperative Board. 2019.
- Judge. Molokai Middle School Science Fair. 2017-2020.
- Committee Chair. Molokai Business Conference Planning Committee. 2017-2019.
- Advisor. Molokai High School "LIVE' Advisory Committee. 2017-2019.

Grant Support as PI (\$27,588)

Title of Grant: Herbs and Spices as a potential Niche Market for Molokai Farmers and Market Gardeners

Source of Grant: Maui County Office of Economic Development

Total Dollar Value: \$9,432

Dates of Grant: 1/1/2023 to 12/31/2023

Role: PI

Title of Grant: Innovative Solutions to Increase Soil Health for Molokai Farmers

Source of Grant: Maui County Office of Economic Development

Total Dollar Value: \$12, 156

Dates of Grant: 1/1/2022 to 12/31/2022

Role: PI

Title of Grant: Evaluating the Feasibility of Biodegradable Farm Inputs in Tropical Ag.

Source of Grant: Maui County Office of Economic Development

Total Dollar Value: \$5,214

Dates of Grant: 1/2020 - 12/2020

Role: PI

Title of Grant: Creating a Competitive Edge in Organic Papaya Production Through the Implementation of Best Management Practices on Molokai

Source of Grant: Maui County Office of Economic Development

Total Dollar Value: \$6,000

Dates of Grant: 1/2020 to 12/2020 (extension granted)

Role: PI

Grant Support as Co-PI (\$1,655,900)

Title of Grant: GoFarm Hawaii (GFH): Growing Hawaii's Agricultural Workforce and Industry

Source of Grant: National Institute of Food and Agriculture

Total Dollar Value: \$440,984

Dates of Grant: 9/15/2022 to 9/14/2025

Role: Co-PI

Title of Grant: Ohana Garden & Grindz: Addressing the spread of SARS-Cov-2 Utilizing A Virtual Family-Based Agriculture Education Aimed at Reducing Food Insecurity

Source of Grant: National Institute of Food and Agriculture

Total Dollar Value: \$350,000

Dates of Grant: 9/1/2021 to 8/31/2023

Role: Co-PI

Title of Grant: Go Farm Hawaii (GFH): Training New Farmers and Growing Agribusiness in Hawaii

Source of Grant: National Institute of Food and Agriculture

Total Dollar Value: \$450,000

Dates of Grant: 8/1/2021 to 7/31/2023

Role: Co-PI

Title of Grant: Building Hawaii's Capacity for Produce Safety Education
Source of Grant: HDOA
Total Dollar Value: \$35,000
Dates of Grant: 12/27/2020 to 6/30/2023
Role: Co-Investigator

Title of Grant: Farm Food Safety Training for Local and Immigrant Crop Producers in Hawaii
Source of Grant: National Institute of Food and Agriculture
Total Dollar Value: \$200,000
Dates of Grant: 9/01/2020 to 8/31/2023
Role: Co-Investigator

Title of Grant: Building Capacity to Educate and Develop Awareness of Risk Management and Crop Insurance Among Hawaii's Underserved Producers
Source of Grant: Washington State University
Total Dollar Value: \$55,000
Dates of Grant: 6/1/2020 to 6/30/2022
Role: Co-PI

Title of Grant: Finding New Friends for Sunn Hemp to Revitalize Degraded Soil in the Tropic
Source of Grant: Natural Resources and Conservation Service
Total Dollar Value: \$75,000
Dates of Grant: 9/30/2019 to 9/30/2022
Role: Co-PI

Title of Grant: Building Hawaii's Capacity for Produce Safety Education
Source of Grant: HDOA
Total Dollar Value: \$35,000
Dates of Grant: 4/2021 - 3/2022
Role: Co-PI

Title of Grant: Agriculture Education as a Tool to Address COVID-19 Food Insecurity of Molokai's Families
Source of Grant: Maui County Office of Economic Development
Total Dollar Value: \$14,916
Dates of Grant: 1/2021 - 12/2021
Role: Co-PI