

Andrea M. Kawabata
College of Tropical Agriculture and Human Resources
Tropical Plant and Soil Sciences
100% E

Education

<u>Degree</u>	<u>University</u>	<u>Major</u>
Bachelors	University of Hawaii at Hilo	Agriculture with Concentration in Tropical Horticulture and Certificate in Plant Tissue Culture
Masters	University of Hawaii at Manoa	Tropical Plant and Soil Sciences

Professional Appointments

<u>Title</u>	<u>Employer</u>	<u>Dates Employed</u>
Extension Agent (A5)	University of Hawaii at Manoa, College of Tropical Agriculture and Human Resources	August 1, 2021 to current
Associate Extension Agent (A4)	University of Hawaii at Manoa, College of Tropical Agriculture and Human Resources	August 1, 2016 to July 31, 2021
Assistant Extension Agent (A3)	University of Hawaii at Manoa, College of Tropical Agriculture and Human Resources	October 10, 2011 to July 31, 2016

Publications (reverse chronological order)

Refereed Journal Publications

1. **Kawabata, A.M.**, R. Myers, M. Miyahira, N. Yamauchi, and S.T. Nakamoto. 2023. Field Efficacy of Spinetoram for the Management of Coffee Berry Borer (*Hypothenemus hampei*). *Insects*, 14(3), 287. <https://doi.org/10.3390/insects14030287>.
2. LeMay G.A., **Kawabata A.M.**, Curtiss R.T. 2022. Statewide Survey of Insects found on Coffee in Hawaii. *Proc. Entomol. Soc. Hawaii*. 54: 41-52.
3. Keith, L.M., Sugiyama, L.S., Brill, E., Adams, B.L., Fukada, M., Hoffman, K.M., Azama, B.N., **Kawabata, A.**, Kong, A.T., McKemy, J.M., Olmedo-Velarde, A., and Melzer, M.J. 2021. First report coffee leaf rust caused by *Hemileia vastatrix* on coffee in Hawaii. *Plant Disease*, Disease Note, 761. <https://doi.org/10.1094/PDIS-05-21-1072-PDN>.
4. Woodill, J.A., S.T. Nakamoto, **A.M. Kawabata** and P.S. Leung. 2021. Optimal spraying strategy to combat coffee berry borer: A dynamic approach. *J. of Agriculture and Food Research*, 4, <https://doi.org/10.1016/j.jafr.2021.100125>.

Extension Publications

1. Kirk, E., M. Oshiro, J. Silva, K. Tavares, S. Wages, **A.M. Kawabata**, and S.T. Nakamoto. 2024. Farm risk management & crop insurance: A checklist for outreach coordinators. Honolulu (HI): University of Hawaii. 5 pp. (Economic Issues; EI-30). <https://www.ctahr.hawaii.edu/oc/freepubs/pdf/EI-30.pdf>.
2. **Kawabata, A.M.**, M. Miyahira, N. Yamauchi, R. Myers, and S.T. Nakamoto. 2024. *Meisner*, a coffee rootstock selection with increased tolerance to the Kona coffee root-knot nematode. Honolulu (HI): University of Hawaii. 6 pp. (Fruit, Nut, and Beverage Crops; FN-67). <https://www.ctahr.hawaii.edu/oc/freepubs/pdf/FN-67.pdf>.
3. **Kawabata, A.M.**, M. Miyahira, and S.T. Nakamoto. 2022. Germinating *Coffea liberica* rootstock seedlings for grafting and coffee root-knot nematode tolerance. Honolulu (HI): University of Hawaii. 6 pp. (Fruit, Nut, and Beverage Crops; FN-65). <https://www.ctahr.hawaii.edu/oc/freepubs/pdf/FN-65.pdf>.
4. **Kawabata, A.M.**, J. Uyeda, M. Miyahira, R. Gutierrez-Coarite, S. Sand, and S.T. Nakamoto. 2022. Sprayer calibration with handheld sprayer systems for orchard crops. Honolulu (HI): University of Hawaii. 13 pp. (Pesticide Risk Reduction Education, PRRE-10). <https://www.ctahr.hawaii.edu/oc/freepubs/pdf/PRRE-10.pdf>.
5. **Kawabata, A.M.**, J. Uyeda, M. Miyahira, R. Gutierrez-Coarite, S. Sand, and S.T. Nakamoto. 2022. Sprayer calibration spreadsheet for handheld sprayer systems for orchard crops. Honolulu (HI): University of Hawaii.

(Pesticide Risk Reduction Education). <http://www.ctahr.hawaii.edu/oc/freepubs/spreads/Sprayer-Calibration-5.0.xlsx>.

6. **Kawabata, A.M.**, S. Sand, S. Antonini, B. Chase, S. Shulin, and S.T. Nakamoto. 2022. Questions and answers on crop insurance for Hawaii Coffee. Honolulu (HI): University of Hawaii. 10 pp. (Plant Disease; PD-127). <https://www.ctahr.hawaii.edu/oc/freepubs/pdf/PD-127.pdf>.
7. **Kawabata, A.M.**, S. Wages, and S.T. Nakamoto. 2022. Pruning methods for the management of coffee leaf rust and coffee berry borer in Hawaii. Honolulu (HI): University of Hawaii. 9 pp. (Plant Disease; PD-126). <https://www.ctahr.hawaii.edu/oc/freepubs/pdf/PD-126.pdf>.
8. Baur M.E., **Kawabata A.M.**, Nakamoto S.T., Shriner S., and Elliott S. 2022. National Pest Alert: Coffee leaf rust *Hemileia vastatrix*. North Central IPM Center.
9. Kawabata, A.M. 2021. Coffee leaf rust: A new coffee disease in Hawaii – trifold brochure. Honolulu (HI): University of Hawaii. p. 2. <https://www.hawaiicoffeeed.com/clrtrifold.html>.
10. **Kawabata, A.M.** and R. Gutierrez. 2021. Coffee leaf rust: A new coffee disease in Hawaii – poster. Honolulu (HI): University of Hawaii. <https://www.hawaiicoffeeed.com/clrposter.html>. Available in Spanish, Ilocano and Tagalog.
11. **Kawabata, A.M.** and S.T. Nakamoto. 2021. Pambobomba Upang Sugpuin ang Kalawang ng Kape (*Hemileia vastatrix*) Dito sa Hawaii. Honolulu (HI): University of Hawaii. p. 6. (Plant Disease; PD-122 in Tagalog). <https://www.ctahr.hawaii.edu/oc/freepubs/pdf/PD-122.pdf>.
12. **Kawabata, A.M.** and S.T. Nakamoto. 2021. Panagpasuyot Tapnon Malappedan ti Lati ti Bulong ti Kape (*Hemileia vastatrix*) dito sa Hawaii. Honolulu (HI): University of Hawaii. p. 6. (Plant Disease; PD-121 in Ilocano). <https://www.ctahr.hawaii.edu/oc/freepubs/pdf/PD-121.pdf>.
13. **Kawabata, A.M.**, R. Gutierrez-Coarite, and S.T. Nakamoto. 2021. Pulverización para suprimir la roya del café (*Hemileia vastatrix*) en Hawai. Honolulu (HI): University of Hawaii. p. 7. (Plant Disease; PD-120). <https://www.ctahr.hawaii.edu/oc/freepubs/pdf/PD-120.pdf>.
14. **Kawabata, A.M.** and S.T. Nakamoto. 2021. Spraying to suppress coffee leaf rust (*Hemileia vastatrix*) in Hawaii. Honolulu (HI): University of Hawaii. p. 6. (Plant Disease; PD-118). <https://www.ctahr.hawaii.edu/oc/freepubs/pdf/PD-118.pdf>.

Conference Presentations – National

1. M. Miyahira, J. Uyeda, **A.M. Kawabata**, and S.T. Nakamoto. 2024. “Educating Hawaii’s Producers, Farmworkers, and Pesticide Handlers About Crop Insurance and Safe Pesticide Use to Reduce Risks” presented by Miyahira and Uyeda at the 2024 Extension Risk Management Education National Conference, Sheraton Salt Lake City Hotel, Salt Lake City, Utah. 9-11 April 2024. (Poster presentation). https://agrisk.umn.edu/Conferences/Presentation/educating_hawaiis_producers_farmworkers_and_p
2. **Kawabata, A.M.**, S.R. Sand, M. Miyahira, and S.T. Nakamoto. 2023. “Enhancing the Adoption of Crop Insurance by Integrating Pest and Disease Management of Coffee in Hawaii” presented at the 2023 Extension Risk Management Education National Conference, Westin Chicago River North Hotel, Chicago, Illinois. 27-29 March 2023. (Poster presentation). https://agrisk.umn.edu/Conferences/Presentation/enhancing_the_adoption_of_crop_insurance_by_i
3. Church, S.S., J.L. Deenik, S.E. Crow, T.M. Maaz, J. Rivera-Zayas, **A.M. Kawabata**, J.H.S. Silva, J.Y. Uyeda, D.R. Sotomayor-Ramirez. 2002. “Farmer-driven Implementation of Soil Health Management Systems (SHMS) Adapted to Diverse Cropping Systems in Tropical and Subtropical Island Environments” presented by Church at the 77th Soil and Water Conservation Society International Annual Conference, Denver, Colorado. August 1, 2022. (Poster presentation). https://www.swcs.org/static/media/cms/22ACPosterPresentations_082FADBA05389.pdf.
4. **Kawabata, A.M.**, M. Miyahira, S.R. Sand, and S.T. Nakamoto. 2022. “Managing the Risks from Coffee Leaf Rust, a New and Devastating Disease Affecting Hawaii Coffee Producers” presented at the 2022 Extension Risk Management Education National Conference, Omaha, Nebraska. 30 March 2022. (Poster presentation). https://agrisk.umn.edu/Conferences/Presentation/managing_the_risks_from_coffee_leaf_rust_a_ne.
5. Uyeda, J., **A.M. Kawabata**, M. Miyahira, S. Sand, and S.T. Nakamoto. 2022. “Developing Sprayer Calibration Tools for Coffee and Orchard Crop Farmers that Reduce their Production and Legal Risks” presented by Uyeda at the 2022 Extension Risk Management Education National Conference, Omaha, Nebraska. 30 March 2022. (Poster presentation). https://agrisk.umn.edu/Conferences/Presentation/developing_sprayer_calibration_tools_for_coff.

6. Sand, S., **A.M. Kawabata**, J. Uyeda, M. Miyahira, and S.T. Nakamoto. 2022. “Building Capacity to Educate and Develop Awareness of Risk Management and Crop Insurance Among Hawaii’s Underserved Producers and the Challenges of COVID” presented by Sand at the 2022 Extension Risk Management Education National Conference, Omaha, Nebraska. 30 March 2022. (Poster presentation).
https://agrisk.umn.edu/Conferences/Presentation/building_capacity_to_educate_and_develop_awareness

Creative Works (i.e., Extension Videos, Websites, Blogs, Creative Designs and Exhibitions, etc.)

Extension Videos

Kona Extension YouTube Account – total of 70 videos of recorded presentations and creative works on crop insurance and record keeping, mango research and production in Hawaii, coffee berry borer research and management, coffee leaf rust research and management, grafting, proper and safe pesticide use, the Federal worker protection standard, and the HDOA’s CBB and CLR pesticide subsidy program.

Extension Websites and Social Media

HawaiiCoffeeEd.com – website created by A.M. Kawabata in April 2014 and hosted by Kawabata and M. Miyahira.

Provides industry and Extension with coffee and coffee berry borer information as well as agricultural events and announcements for coffee and orchard crop growers.

ctahrmacadamia.weebly.com - website created by S.A. Wages and hosted by Wages and A.M. Kawabata with macadamia nut crop information for industry and Extension.

www.facebook.com/kona.orchardcrops – Kona Orchard Growers Facebook page created in 2013 by A.M. Kawabata with coffee and orchard crop events, information, activities, and photos.

Extension Newsletter

Postings, past newsletters, and sign-ups for receiving newsletters is at <https://www.hawaiicoffeeed.com/events-and-announcements>.

Outreach Events, Booths and Displays for Coffee and Orchard Crop Producers (2020 to current)

1. 28 events in 2024
2. 41 events in 2023
3. 43 events in 2022
4. 50 events in 2021

Direct and Indirect Contacts

Annual Average	<u>Farm Visits</u>	<u>Direct Contacts</u>	<u>Indirect Contacts</u>	<u>Workshop/Conf/Field Day Participants</u>	<u>Participants</u>
	50	2000+	4000+	800+	200+

Total number of coffee and orchard crop program contacts (as of 09/29/24): 1,732

Grant Support

<u>Title of Grant:</u>	Utilizing On-Farm Demonstration Plots to Reduce Risk and Educate Coffee Farmers in Ka’u about Crop Insurance, Recordkeeping, and New Pest Management and Cultivation Techniques
<u>Source of Grant:</u>	WERME
<u>Total Dollar Value (Your share of the grant value):</u>	\$100,000
<u>Dates of Grant:</u>	03/01/25 – 09/30/26
<u>Role (PI, CoPI):</u>	PI
<u>Title of Grant:</u>	Developing an Efficient Breeding Pipeline for Producing CLR-Resistant Coffee Cultivars and Maintain Unique Quality
<u>Source of Grant:</u>	USDA NIFA

<u>Total Dollar Value (Your share of the grant value):</u>	\$127,500 of \$1.82M
<u>Dates of Grant:</u>	09/01/22 – 08/31/26
<u>Role (PI, CoPI):</u>	Co-PI
<u>Title of Grant:</u>	Hawaii Coffee Producer Pesticide Education for the Management of Coffee Leaf Rust
<u>Source of Grant:</u>	HDOA
<u>Total Dollar Value (Your share of the grant value):</u>	\$28,226
<u>Dates of Grant:</u>	06/15/22 – 06/14/23
<u>Role (PI, CoPI):</u>	PI
<u>Title of Grant:</u>	Extension and Outreach for Coffee Leaf Rust
<u>Source of Grant:</u>	HDOA
<u>Total Dollar Value (Your share of the grant value):</u>	\$61,750
<u>Dates of Grant:</u>	04/16/21 – 04/15/22
<u>Role (PI, CoPI):</u>	PI
<u>Title of Grant:</u>	Coordinated Approach to Coffee Leaf Rust
<u>Source of Grant:</u>	USDA-SCRI-CAP
<u>Total Dollar Value (Your share of the grant value):</u>	\$549,289 of \$6.07M
<u>Dates of Grant:</u>	09/01/21 – 08/30/25
<u>Role (PI, CoPI):</u>	Co-PI
<u>Title of Grant:</u>	Rapid Response to Coffee Leaf Rust
<u>Source of Grant:</u>	FFAR-ROAR
<u>Total Dollar Value (Your share of the grant value):</u>	\$30,000 of \$150,000
<u>Dates of Grant:</u>	01/15/21 – 01/14/22
<u>Role (PI, CoPI):</u>	Co-PI
<u>Title of Grant:</u>	Reducing Spread, Risk, and Loss by Coffee Leaf Rust, a New and Devastating Pathogen Affecting Hawaii Coffee and its Underserved Producers
<u>Source of Grant:</u>	Western Extension Risk Management Education Center
<u>Total Dollar Value (Your share of the grant value):</u>	\$99,981
<u>Dates of Grant:</u>	04/01/21- 09/30/22
<u>Role (PI, CoPI):</u>	PI
<u>Title of Grant:</u>	Producer-driven Implementation of Soil Health Management Systems Adapted to Diverse Cropping Systems in Tropical and Subtropical Island Regions
<u>Source of Grant:</u>	USDA NRCS Environmental Quality Incentives Program Conservation Innovation Grants On-Farm Conservation Trials
<u>Total Dollar Value (Your share of the grant value):</u>	\$1,984,441
<u>Dates of Grant:</u>	01/01/21-12/31/23
<u>Role (PI, CoPI):</u>	Co-PI
<u>Title of Grant:</u>	Plant Safety, Horticultural Benefits, and Disease Efficacy of Essential Oils for Use in Organically Grown Fruit Crops: From the Farm to the Consumer
<u>Source of Grant:</u>	USDA NIFA Organic Agriculture Research and Extension Initiative
<u>Total Dollar Value (Your share of the grant value):</u>	\$100,000 of \$1,999,317
<u>Dates of Grant:</u>	09/01/20-8/30/24
<u>Role (PI, CoPI):</u>	Co-PI
<u>Title of Grant:</u>	Building Capacity to Educate and Develop Awareness of Risk

	Management and Crop Insurance Among Hawaii's Underserved Producers
<u>Source of Grant:</u>	Western Extension Risk Management Education
<u>Total Dollar Value (Your share of the grant value):</u>	\$55,000
<u>Dates of Grant:</u>	06/01/20-11/30/21
<u>Role (PI, CoPI):</u>	Co-PI

Conference and Extension Presentations – Foreign and National (2020 to current)

<u>Title:</u>	Educating Hawaii's Producers, Farmworkers, and Pesticide Handlers About Crop Insurance and Safe Pesticide Use to Reduce Risks
<u>Authors (put an asterisk on the presenter):</u>	M. Miyahira*, J. Uyeda*, Kawabata, A.M. , and S.T. Nakamoto
<u>Name of Conference:</u>	2024 Extension Risk Management Education National Conference
<u>Location:</u>	Salt Lake City, Utah
<u>Date of Presentation:</u>	10 April 2024
<u>Title:</u>	Enhancing the Adoption of Crop Insurance by Integrating Pest and Disease Management of Coffee in Hawaii
<u>Authors (put an asterisk on the presenter):</u>	Kawabata, A.M.* , S.R. Sand, M. Miyahira*, and S.T. Nakamoto
<u>Name of Conference:</u>	2023 Extension Risk Management Education National Conference
<u>Location:</u>	Chicago, Illinois
<u>Date of Presentation:</u>	28 March 2023
<u>Title:</u>	Farmer-driven Implementation of Soil Health Management Systems (SHMS) Adapted to Diverse Cropping Systems in Tropical and Subtropical Island Environments
<u>Authors (put an asterisk on the presenter):</u>	Church, S.S.,* J.L. Deenik, S.E. Crow, T.M. Maaz, J. Rivera-Zayas, A.M. Kawabata , J.H.S. Silva, J.Y. Uyeda, D.R. Sotomayor-Ramirez
<u>Name of Conference:</u>	77 th Soil and Water Conservation Society International Annual Conference
<u>Location:</u>	Denver, Colorado
<u>Date of Presentation:</u>	1 August 2022
<u>Title:</u>	Managing the Risks from Coffee Leaf Rust, a New and Devastating Disease Affecting Hawaii Coffee Producers
<u>Authors (put an asterisk on the presenter):</u>	Kawabata, A.M.* , M. Miyahira, S.R. Sand, and S.T. Nakamoto
<u>Name of Conference:</u>	2022 Extension Risk Management Education National Conference
<u>Location:</u>	Omaha, Nebraska
<u>Date of Presentation:</u>	30 March 2022
<u>Title:</u>	Developing Sprayer Calibration Tools for Coffee and Orchard Crop Farmers that Reduce their Production and Legal Risks
<u>Authors (put an asterisk on the presenter):</u>	Uyeda, J.*, A.M. Kawabata , M. Miyahira, S. Sand, and S.T. Nakamoto
<u>Name of Conference:</u>	2022 Extension Risk Management Education National Conference
<u>Location:</u>	Omaha, Nebraska
<u>Date of Presentation:</u>	30 March 2022

Title: Building Capacity to Educate and Develop Awareness of Risk Management and Crop Insurance Among Hawaii's Underserved Producers and the Challenges of COVID

Authors (put an asterisk on the presenter): Sand, S. *, **A.M. Kawabata**, J. Uyeda, M. Miyahira, and S.T. Nakamoto

Name of Conference: 2022 Extension Risk Management Education National Conference

Location: Omaha, Nebraska

Date of Presentation: 30 March 2022

Invited Conference and Extension Presentations – Hawaii (2020 to current)

Title: UH-CTAHR Coffee Leaf Rust Update

Authors (put an asterisk on the presenter): Miyahira, M.* and **A.M. Kawabata**

Name of Conference: Invasive Pest Conference

Location: Blaisdell Center, Honolulu, HI

Date of Presentation: 9-10 August 2023

Title: UH-CTAHR Coffee Research and Extension Update 2022-2023

Authors (put an asterisk on the presenter): Kawabata, A.M.*

Name of Conference: Hawaii Coffee Association Conference

Location: Kauai Beach Resort & Spa, Lihue, HI

Date of Presentation: 17 June 2023

Title: Updates on Coffee Berry Borer and Coffee Leaf Rust Management

Authors (put an asterisk on the presenter): **Kawabata, A.M.***, M. Miyahira, and L. Keith

Name of Conference: HDOA Pesticides Branch Winter Workshop

Location: Online via Zoom

Date of Presentation: 15 November 2022

Title: UH-CTAHR Coffee Research and Extension Update 2021-2022

Authors (put an asterisk on the presenter): Kawabata, A.M.*

Name of Conference: Hawaii Coffee Association Conference

Location: Outrigger Kona Resort and Spa, Keauhou, HI

Date of Presentation: 20 May 2022

Title: Updates on Coffee Leaf Rust and its Management

Authors (put an asterisk on the presenter): Kawabata, A.M.*

Name of Conference: 0126 Virtual Invasive Pest Mini Conference

Location: Online via Zoom

Date of Presentation: 26 January 2022

Title: UH-CTAHR's Cooperative Extension: Coffee and Orchard Crop Outreach Program

Authors (put an asterisk on the presenter): Kawabata, A.M.*

Name of Conference: Kona Rotary Club

Location: Online via Zoom

Date of Presentation: 25 January 2022

Title: Coffee Leaf Rust (CLR) Management

Authors (put an asterisk on the presenter): Kawabata, A.M.*

Name of Conference: IPM Grower Update Virtual Mini-Conference

<u>Location:</u>	Online via Zoom
<u>Date of Presentation:</u>	28 September 2021
 <u>Title:</u>	 UH-CTAHR Coffee Research and Extension Update 2020-2021
<u>Authors (put an asterisk on the presenter):</u>	Kawabata, A.M.*
<u>Name of Conference:</u>	Hawaii Coffee Association Annual Conference
<u>Location:</u>	Online via Demio
<u>Date of Presentation:</u>	24 June 2021
 <u>Title:</u>	 Current CBB and CLR Recommendations
<u>Authors (put an asterisk on the presenter):</u>	Kawabata, A.M.*
<u>Name of Conference:</u>	Coffee Berry Borer and Coffee Leaf Rust Conference 2021
<u>Location:</u>	Online via Zoom
<u>Date of Presentation:</u>	17 April 2021
 <u>Title:</u>	 Coffee Leaf Rust in Hawaii
<u>Authors (put an asterisk on the presenter):</u>	Kawabata, A.M.* and L. Keith
<u>Name of Conference:</u>	HDOA Pesticides Branch Summer Solstice Workshop
<u>Location:</u>	Online via Zoom
<u>Date of Presentation:</u>	6 June 2021

Invited Conference and Extension Presentations – Foreign and National (2020 to current)

<u>Title:</u>	Learning with Hawaii: Coffee Pests & Diseases
<u>Authors (put an asterisk on the presenter):</u>	Kawabata, A.M.*
<u>Name of Conference:</u>	California Coffee Dialogue
<u>Location:</u>	Online via Zoom
<u>Date of Presentation:</u>	30 September 2021