

Rebecca Lynn Settlage
College of Tropical Agriculture and Human Resources
Department of Family & Consumer Science
FTE Distribution: 100% Extension

Education

<u>Degree</u>	<u>University</u>	<u>Major</u>
MS	University of Idaho	Agricultural Education
BS	University of Idaho	Agricultural Sciences & Technology

Lifetime and Fellow Achievement Awards

Dean's Award for Excellence in Extension 2021
National Association of Extension 4-H Agents Meritorious Service Award 2020
HAE4-HA Excellence in Animal Science Programming Award 2014
National Association of Extension 4-H Agents Distinguished Service Award 2014
National Association of Extension 4-H Agents Excellence in 4-H Club Support Award 2011
National Association of Extension 4-H Agents Achievement in Service Award 2010

Professional Appointments

<u>Title</u>	<u>Employer</u>	<u>Dates Employed</u>
Associate Extension Agent	University of Hawaii	2012 to Present
Assistant Extension Agent	University of Hawaii	2007 to 2012

Publications

Extension Publications

Settlage, B. 2021. "4-H Junior Master Gardener Program: Growing Great Kids in Times of Adversity." Hawaii 4-H Impact Statement. University of Hawaii Manoa, CTAHR.

Ooki, N., Caires, K., Cristobal, H., Eickstead, K., Hampton, M., Hanakawa, C., Scoville-Layfield, J., Settlage, B. 2021. "Pivot to Distance Education in Hawai'i 4-H." Hawaii 4-H Impact Statement. University of Hawaii Manoa, CTAHR.

Gillespie, D.R., Dolescheck, S., Dalton, N., Shelstad, N., Johnson, C., Scott, D., Wittman, G., Jeffries, E., Codr, S., Ewers, T.G., Settlage, B., and Schmidt, J. 2020. 2020 Idaho 4-H State Teen Association Convention; A Virtual and Vibrant Change. Idaho 4-H Impact Statement. University of Idaho Extension.

Cowell, K., Settlage, R., and DuPonte, M. (2018) Agriculture in the Classroom: Farming in Hawaii's Middle & High Schools. University of Hawaii Manoa, CTAHR.

Settlage, B., Goodwin, J. 2018. "AGventure: Keeping Agriculture Alive with Hawaii's Youth." Hawaii 4-H Impact Statement. University of Hawaii Manoa, CTAHR.

Goodwin, J.L., Greenwood, H., DeBaryshe, B., Cox, L., Chong, J., Friday, J. Ooki, N., and Settlage, B. 2018. "University of Hawaii CTAHR Volunteer Certification Manual." CTAHR Ag Communications.

Goodwin, J.L., Greenwood, H., DeBaryshe, B., Cox, L., Chong, J., Friday, J. Ooki, N., and Settlage, B. 2018. "University of Hawaii CTAHR Protection of Minors Training Module for Volunteers and Faculty."

Settlage, B., Nakatsuka, C., Goodwin, J. 2017. "Learn Grow, Grow, Eat and Go." Hawaii 4-H Impact Statement. University of Hawaii at Manoa, CTAHR.

Goodwin, J.L., Nakatsuka, C., Settlage, B., Chong, J., Ooki, N., and Kawamura, L. 2017. "The Value of the Hawai'i 4-H Volunteer". Hawaii 4-H Impact Statement. University of Hawaii at Manoa, CTAHR.

Goodwin, J.L., Nakatsuka, C., Settlage, B., Chong, J., Ooki, N. Kawamura, L. 2017. "The Reach and Diversity of the Hawai'i 4-H Program." Hawaii 4-H Impact Statement. University of Hawaii at Manoa, CTAHR.

Goodwin, J., Sandlin, M., Settlage, B., Nagano, S., Ooki, N., and Kawamura, L. 2016. "Impact of 4-H Livestock Projects on Hawaii Youth." Hawaii 4-H Impact Statement. University of Hawaii at Manoa, CTAHR.

Articles

Hanakawa, C., Silva, J., Settlage, R., Eickstead, K., Matsumoto, K. 2021. "Learn by Doing: Using Life Skills to Grow Youth Leaders and Pumpkins". Hānai'Ai. July-August-September 2021 Volume 43

Settlage, B. "Giant Smiles, Part II". CTAHR News. November 16, 2020.
<https://cms.ctahr.hawaii.edu/News/ArtMID/48015/ArticleID/1895/Giant-Smiles-Part-II>

Settlage, B. "4-H Contest Gets Keiki Excited About Agriculture". Big Island Gazette. November 2, 2020. <https://bigislandgazette.com/4-h-contest-gets-keiki-excited-about-agriculture/>

Settlage, B. "Giant Smiles". CTAHR News. August 19, 2020.
<https://cms.ctahr.hawaii.edu/News/ArtMID/48015/ArticleID/1792/Giant-Smiles>

Settlage, B. "4-H Vets". CTAHR News. August 6, 2019.
<https://cms.ctahr.hawaii.edu/News/ArtMID/48015/ArticleID/1147/4-H-Vets>

Gavelek, F., Settlage, B., Goodwin, J., Blaber, J., Higashi-Oshiro, I., Taniguchi, L., and Vanzandt, S. "4-H Clubs Inspire Kids 'To Do'." *Ke Ola Hawai'i Islands Community Magazine*, May-June 2019, pp. 17-20. Available online at: <https://keolamagazine.com/nonprofit/4h-clubs-inspire-kids-to-do/>

Settlage, B. "Growing Giants in Paradise." *GPC Common Ground*, Summer 2019, pp. 9-11.

Settlage, B. "They're Into Growing in a BIG Way!". CTAHR News. September 28, 2018.
<https://cms.ctahr.hawaii.edu/News/ArtMID/48015/ArticleID/700/They%e2%80%99re-into-Growing-in-a-BIG-Way>

Settlage, B. "Livestock Aloha". CTAHR News. June 20, 2018
<https://cms.ctahr.hawaii.edu/News/ArtMID/48015/ArticleID/523/Livestock-Aloha>

Settlage, B. "Growing Giants". CTAHR News. May 10, 2018.
<https://cms.ctahr.hawaii.edu/News/ArtMID/48015/ArticleID/465/Growing-Giants>

Settlage, B. "AGventure Has Been An Adventure!" CTAHR News. February 14, 2018.
<https://cms.ctahr.hawaii.edu/News/ArtMID/48015/ArticleID/333>

Settlage, B. "Giant Success". CTAHR News. September 28, 2017.
<https://cms.ctahr.hawaii.edu/News/ArtMID/48015/ArticleID/227/Giant-Success>

Settlage, B. "4-H and Fun". CTAHRNotes. September 27, 2017.
https://www.ctahr.hawaii.edu/site/e-notes/09_27_2017.html

Settlage, B. "New 4-H Horse Pen". CTAHR News. September 12, 2017.
<https://cms.ctahr.hawaii.edu/News/ArtMID/48015/ArticleID/210/New-4-H-Horse-Pen>

Settlage, B. "Horsin' Around with 4-H on the Big Island". CTAHRNotes. August 23, 2017.
https://www.ctahr.hawaii.edu/site/e-notes/08_23_2017.html

Creative Works

Websites

Settlage, R. 2020. <https://www.facebook.com/groups/269991174111989>

Settlage, R. 2019. <http://manoa.hawaii.edu/ctahr/4h/programs/programs-by-county/east-hawaii/>

Settlage, R. 2019. <https://www.facebook.com/HI4HShooting/>

Posters

Settlage, B. 2020. "Exploring a 4-H Pathway to a Future Career in Veterinary Science." NAE4-HYDP Conference: A Vision for the Future, Boise, Idaho. October 19-22, 2020.

Webinars & Virtual Conferences

Kinder, C.A., Vaughan, C., Ghimire, N., and Settlage, B. Innovative Methods to Evaluate Higher Learning by Youth. American Evaluation Association EVAL21 Reimagined Conference. November 9, 2021.

Settlage, B. Growing Good Kids Through the 4-H Junior Master Gardener Program. Hawaii School Garden Talk Story Presentation. September 23, 2021.

Kinder, C.A., Vaughan, C., Ghimire, N., and Settlage, B. Innovative Methods to Evaluate Higher Learning by Youth. Epsilon Sigma Phi Professional Development Webinar. May 25, 2021.

<https://www.youtube.com/watch?v=8EC5mYA-wTU&t=2620s>

Kinder, C.A., Vaughan, C., Ghimire, N., and Settlage, B. Innovative Evaluation of Youth Summer Camp. National eXtension Evaluation Community of Practice Webinar, April 19, 2021.

Kinder, C.A., Vaughan, C., Ghimire, N., and Settlage, B. Innovative Evaluation of Youth Summer Camp. National eXtension Evaluation Community of Practice Webinar, March 25, 2021.

Other Presentations and Workshops

Below is a chart that combines all presentations completed from 2017-2021, along with a short description for each category.

Type	Number of Classes	Participants
AGventure	2	604
4-H Junior Master Gardener	8	21
4-H Livestock Quality Assurance (YQCA)	8	57
4-H Livestock Workshops	4	147
4-H Record Book Trainings	5	53
4-H Camp Programs	4	198
4-H Leader Trainings	10	31
Webinars & Virtual Conferences	4	116
Other	15	398
Total	60	1625

AGventure - Engaging youth in agriculture has been a prominent topic due to the growing concern for Hawaii young people having become disenchanted with agriculture. Attracting youth to and retaining them in the agriculture sector remained a challenge. AGventure was developed as a way to spark interest in youth at a young age, with the hope that by exposing them to all the opportunities that Hawaii agriculture has to offer that many of these youth would continue to explore and eventually seek an agricultural career when graduating from high school, keeping Hawaii's agriculture thriving. It was decided to target 4th grade students for this program, because at this age they are developing special interests; less interested in fantasy and more involved in the real world; expressive, talkative, like to explain; inquisitive; and most interested in concrete learning experiences and learning of facts. The objectives of this program was to introduce students to agricultural career alternatives in Hawaii, engage them in hands-on opportunities related to different career options, increase their awareness and interest to learn more about Hawaii agriculture and determine initial interest of these 4th grader to have career relevant to Hawaii agriculture.

4-H Junior Master Gardener – Includes presentations and workshops in the following program areas: Learn! Grow! Eat! & GO!! Orientations, Early Childhood LGEG, and the 4-H GFVC program workshops. Continued grant funds, 4-H Paper Clover funds and money received from the Dean’s Award for Excellence in Extension Programs allow me to continue these programs in schools, local families and with youth garden groups. The trainings were done to familiarize teachers and youth garden volunteers with curriculum to help them get started with the program. Workshops were held to help schools, families and youth groups become more successful with growing their plants.

4-H Youth for the Quality Care of Animals (YQCA) – this program is an annual mandatory training that all 4-H livestock members must complete, as their project animals will be harvested for human food consumption. Topics addressed are different every year but center around Animal Well-Being, Food Safety and Life Skills.

4-H Livestock Workshops – Workshops are additional learning opportunities for the members to gain new skills not normally covered in club meetings. Programs are specie specific and usually cover presentation topics like selection, nutrition, management and care.

4-H Record Book Trainings – These trainings have been held annually to familiarize members with the record books they will complete each year as part of their projects and more recently to introduce all members and volunteers to the newly revised online record books.

4-H Camp Programs – included both overnight and day camp programs such as the Annual Hawaii County 4-H Camp, Livestock 101 Day Camp, 4-H 101 Cooking, 4-H JMG Cloverbud Day Camp and Vet Science Day Camp.

4-H Leader Trainings – These trainings include New Leader Orientations and 4-H Shooting Sports Trainings. New leaders coming on board complete online modules followed up by two quizzes. Once completed meetings are scheduled to cover incorrect responses to quizzes and help leaders get started with new 4-H clubs. The 4-H Shooting Sports Training is much more involved, with leaders completing 15 hours of mandatory training for a Level 1 certification. The first three hours they trained on the philosophy and principles of positive youth development, followed by another 12 hours (per discipline) of hands on training that covered the curriculum and lesson plans from the National 4-H Shootings Sports program, and opportunities to teach their peer group, and range time for rifle and/or archery.

Other –miscellaneous presentation/workshops on all sorts of subject matters relate to 4-H and not covered in the workshop categories and trainings above. Examples include 4-H Giant Fruit & Vegetable Contest seminars/tours/Talk Story sessions, 4-H Officer Trainings, Germ City Trainings, Ahaolelo, etc).

Leadership Roles
University Service

Seed Saving Team 2020 -2021
Statewide Volunteer Management Committee, 2017-2021
CTAHR Container Garden Hui 2020-2021
Food Systems Network 2018-2021
Faculty Senate 2018-2020
DPC Committee 2017-2018
P-20 Agricultural Education Task Force Working Group. 2016 – 2018.

Professional Service

Chair of NAE4-HYDP Animal Science Working Group. 2021
Pacific Giant Vegetable Growers, Board Member. 2020-Present
Vice-Chair of NAE4-HYDP Animal Science Working Group. 2020
Hawaii Association of County Agricultural Agents 2016-Present
Epsilon Sigma Phi 2010-Present
Member of NAE4-HA Animal Science Working Group. 2010-Present
Western Region and National Science Liaison 2013-2019
Hawaii Association of Extension 4-H Agents 2007-Present
National Association of Extension 4-H Agents 2003-Present
Hawaii Sheep & Goat Association 2009-Present
Hawaii Island School Garden Network 2008-Present
University of Hawaii Professional Assembly 2007-Present
National Lamb Feeders Association 1990-Present
American Sheep Industry 1989-Present

Community Service

Leader/Assistant, Hawaii 4-H Clubs 2009-Present

Outreach Service

2019 Hawaii County Fair Foundation – Hawaii County Fair 4-H Area
2007-2018 Jaycee Hawaii County Fair 4-H Area

Grant Support

Title of Grant: Teaching Sustainability Using the Food Systems Approach
Source of Grant: Hawaii 4-H Foundation – Weinberg Grant
Total Dollar Value: \$12,000
Dates of Grant: 2019-2021
Role: PI

Title of Grant: 4-H Paper Clover Campaign
Source of Grant: Donations Supported by National 4-H Council & Tractor Supply Company
Total Dollar Value: \$25,590.31
Dates of Grant: 2017-2021
Role: PI

Title of Grant: Learn! Grow! Eat! & GO!!
Source of Grant: Hawaii 4-H Foundation – Weinberg Grant
Total Dollar Value: \$15,000
Dates of Grant: 2015-2018
Role: PI

Title of Grant: AGventure: Keeping Agriculture Alive with Hawaii’s Youth
Source of Grant: Hawaii County Research & Development
Total Dollar Value: \$25,000
Dates of Grant: 2016-2017
Role: PI

Title of Grant: 4-Hers A.C.H.I.E.V.E. (Ag-related Competitiveness Highlighting Individual Excellence & Valuing Education)
Source of Grant: Maui Economic Development Grant
Total Dollar Value: \$4,000
Dates of Grant: 2017
Role: PI

Presentations

Title: Innovative Methods to Evaluate Higher Learning by Youth
Authors: Kinder, C.A., Vaughan, C., Ghimire, N., and Settlage, B
Name of Conference: American Evaluation Association EVAL21 Reimagined Conference
Location: (Held virtual due to COVID)
Date of Presentation: November 9, 2021

Title: Growing Good Kids Through the 4-H Junior Master Gardener Program
Authors: Settlage, B
Name of Conference: Hawaii School Garden Talk Story Presentation
Location: (Held virtual due to COVID)
Date of Presentation: September 23, 2021

Title: Innovative Methods to Evaluate Higher Learning by Youth
Authors: Kinder, C.A., Vaughan, C., Ghimire, N., and Settlage, B
Name of Conference: Epsilon Sigma Phi Professional Development Webinar
Location: (Held virtual due to COVID)
<https://www.youtube.com/watch?v=8EC5mYA-wTU&t=2620s>
Date of Presentation: May 25, 2021

Title: Innovative Evaluation of Youth Summer Camp
Authors: Kinder, C.A., Vaughan, C., Ghimire, N., and Settlage, B
Name of Conference: National eXtension Evaluation Community of Practice Webinar
Location: (Held virtual due to COVID)
Date of Presentation: April 19, 2021

Title: Innovative Evaluation of Youth Summer Camp

Authors: Kinder, C.A., Vaughan, C., Ghimire, N., and Settlage, B

Name of Conference: National eXtension Evaluation Community of Practice Webinar

Location: (Held virtual due to COVID)

Date of Presentation: March 25, 2021

Title: Exploring a 4-H Pathway to a Future Career in Veterinary Science

Authors: Settlage, R.

Name of Conference: 2020 NAE4-HA Conference

Location: Boise, ID (Virtual due to COVID)

Date of Presentation: October 20, 2020

Title: University of Hawaii – Manoa CTAHR & Cooperative Extension

Authors: Hanakawa, C., Settlage, R. Teves, G., Ooki, N., Eng, S.

Name of Conference: Hawaii Dept. of Education Garden-Based Learning Conference

Location: Honolulu, HI

Date of Presentation: May 22, 2019