
University of Guam
College of Natural & Applied Sciences
Cooperative Extension & Outreach

Reflective Form

**Comprehensive Faculty Evaluation System (CFES) – Part I
or Plan of Work (POW)**

Your name: Jesse P. Bamba

Your current Rank and Step: Extension Agent II Grade II step 9

This CFES/POW evaluation period: December 7, 2020 - December 07, 2021

Role Assignments	Percent of Time
Extension & Outreach	60% (primary focus must be a minimum of 50%)
Creative/Research/Scholarly	25%
University Service	15%
TOTAL	100%

Please list any outside consulting or paid board activities for this performance period:

The components of: (1) Planned Activities, (2) Evidence of Accomplishment, and (3) Evaluated By for each of the Roles identified above are found in Part II.

I have met with my appropriate administrative supervisor and discussed my evaluation plan for the period above cited. I understand that amendments to my plan are possible and that said amendments, if any, are to be discussed with and agreed upon by my administrator prior to initiating.



Signature of Faculty

Date: 11/15/2021

Signature of Associate Dean

Date:

Signature of Dean/Director

Date:

Comprehensive Faculty Evaluation System/POW – Part II

Directions: This document serves as a reflection on your Plan of Work for the last 12 months and then as the Take the Planned Activities and the Planned Evidence of Accomplishment from your last year's Future Form and put it here in the right section. Then add content into the Actual Activities and Actual Evidence of Accomplishment fields. Please included all your original Planned Activities and if there was a deviation, explain the problem with accomplishing it and then list what you did instead. If you added an additional activity, just add it to your original list of activities and give evidence of accomplishment. For any papers, presentations, workshops, and grant applications you accomplished, note them on the last page and please attach hard copy evidence.

Role Assignment: Extension & Outreach 60%

Planned and Actual Activities for this CFES year: December 7, 2020 - December 7, 2021

NOTE: for workshops taught, put the number of attendees in [brackets] when reporting Actual Activities, and attach any course evaluation summaries.

Planned Activities (in last years' Future form)	Planned Evidence of Accomplishment (in last years' Future form)	Actual Activities (as they relate to Planned). Indicate any modifications and add new activities at the end of the list.	Actual Evidence of Accomplishment
<p>1. Address client requests</p> <p><u>Global Food Security and Hunger</u> 211, 212, 213, 214, 215, 216, 401, 601, 604</p>	<p>Provide technical assistants with the use of phone, email correspondence, and site visits to farmers, homeowners, landscapers, pesticide companies, schools, various government agencies and non-profit organizations.</p>	<p>1. I provided technical advice on agricultural production, fruit tree health, crop production, pest management, landscape management, and agriculture produce marketing to established and new clients through phone calls (100), emails, and to clients that visit the University of Guam ANR office.</p> <p>2. I provided technical assistance for two Guam farmers (Mike Aguon and Bernard Watson) for the "Forecasting daily reference evapotranspiration and rainfall for water resources conservation and sustainable agriculture" grant which was funded by the U.S. Department of Agriculture-Natural Resources Conservation Service (USDA-NRCS). I am the Co-PI and coordinator for field day workshops. Unfortunately, the field days have been</p>	<p>1. Client phone calls and emails from established and new clients.</p> <p>2. Publication: Improving Irrigation Efficiency on Vegetable Crops Using Smart Irrigation Technologies in Guam. Western Pacific Tropical Research Center (WPTRC). Technical Report No. 1 October 2021.</p>

		postponed until next year because of COVID 19. The project, which intel's the collection of weather data, is also on hold until new software is cross checked by our University of Hawaii collaborator and PI Dr. Sayed Bateni.	
<p>2. Engage with local farmers on market and management issues.</p> <p><u>Global Food Security and Hunger</u> 211, 212, 213, 214, 215, 216, 401, 601, 604</p>	Provide technical assistants to the Farmer's Cooperative Association of Guam (FCAG).	<p>1. I provided onsite technical advice to farmers, Federal and Government of Guam Agencies, and Non-Government Organizations on agricultural production, crop production, and agriculture produce marketing.</p> <p>2. I provided technical advice to the Guam Department of Public Social Services (DPHSS) Division of Senior Citizens (DSC) on their "Mixed Local Produce Bag Initiative". The FCAG DPHSS/DSC joint venture. Over a two-week period (September 28th – October 9th 2021) The FCAG distributed 2,800 mixed local produce bags to DPHSS/DSC clients.</p>	<p>1. I attended Monthly FCAG meetings. I attended meetings with the FCAG when technical advice or mediation was needed for FCAG projects involving organizations: DPHSS, Guam Department of Education (GDOE), and GEDA.</p> <p>2. A \$20,000.00 purchase of produce from the FCAG for the DPHSS/DSC "Mixed Local Produce Bag Initiative" was facilitated by Me and Dr. Bob Barber (E&O).</p>
<p>3. Engage in agricultural focus groups to identify their issues and needs for program development.</p> <p><u>Global Food Security and Hunger</u> 211, 212, 213, 214, 215, 216, 401, 601, 604</p>	Survey and interview instruments. Program proposal and summary.	<p>1. I conducted and coordinated a focus group study, to better understand the experiences and thoughts on major issues faced by Guam farmers and to hear the diverse experiences and perspectives from the producers/growers on Guam.</p>	<p>1. E&O invited participants (Producers) who are representatives from the local agricultural community to help the UOG research team of scientists and Extension representatives. I was one of the advisors and coordinators for the development of the survey and the group study session on June 19th at the Hyatt Hotel in Tumon. Saturday</p>

			June 19 th , 2021 (17 farmers). Agriculture on Guam: Challenges and Opportunities Ahead.
4. Develop the extension project "Agricultural Technology for Viable Small Production Storage". <u>Global Food Security and Hunger</u> 401, 601, 604	Extension workshop. Outreach evaluation.	1. I distributed 3 Coolbot units to three different farmers. A. Maddy Ibay- she is a leafy lettuce farmer. B. Rose Reyes – She is an ornamental flower producer. C. Su – He is Commercial fruit and vegetable producer.	1. The three farmers have the units and are in the process of installing the affordable cold storage units.
5. Conduct workshops that target vegetable/ fruit cultivation, Agriculture marketing and New and emerging issues in agriculture. <u>Global Food Security and Hunger</u> 211, 212, 213, 214, 215, 216, 401, 601, 604	Coordinate/Conduct/Present Workshops that will focus on growing recommendations, agriculture marketing and new and emerging issues in agriculture.	1. I conducted and coordinated a focus group study, to better understand the experiences and thoughts on major issues faced by Guam farmers and to hear the diverse experiences and perspectives from the producers/growers on Guam. We are inviting participants (Producers) who are representatives from the local agricultural community to help the UOG research team of scientists and Extension representatives.	1. I was one of the advisors and coordinators for the development of the survey and the group study session on June 19 th at the Hyatt Hotel in Tumon. Saturday June 19 th , 2021 (17 farmers). Agriculture on Guam: Challenges and Opportunities Ahead.
6. Develop new or update Extension fact sheets, booklets, leaflets, etc. <u>Global Food Security and Hunger</u> 211, 212, 213, 214, 215, 216, 401, 601, 604	Develop new or update at least 2 Extension fact sheets, booklets, leaflets, etc.	I was one the authors for the following publications.	1. Electric Fence for Feral Swine: Materials, Installation Guidelines, & Maintenance July 27, 2021. 2. Improving Irrigation Efficiency on Vegetable Crops Using Smart Irrigation Technologies in Guam. Western Pacific Tropical Research Center (WPTRC). Technical Report No. 1 October 2021.

<p><u>Not planned</u> Engaged with FCAG Slaughterhouse committee</p>		<p>Over a five-month period I was involved with the FCAG slaughterhouse committee. The committee was tasked to coordinate efforts of FCAG livestock members and non-members to build a slaughterhouse and establish a Guam Livestock Association.</p>	<p>I helped to establish the Guahan Livestock Producers Cooperative November 2021.</p>
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Additional information about this Role Assignment.

Role Assignment: Creative/Research/Scholarly 25%

Planned Activities and Actual for this CFES year: December 7, 2020 - December 7, 2021

Planned Activities (in last years' Future form)	Planned Evidence of Accomplishment (in last years' Future form)	Actual Activities (as they relate to Planned). Indicate any modifications and add new activities at the end of the list.	Actual Evidence of Accomplishment
<p>1. Awaiting funding approval for: Pesticide Safety Education Funds Management Program (PSEFMP) Grant</p> <ul style="list-style-type: none"> - I am the Pesticide Safety Education Program Coordinator. <p><u>Global Food Security and Hunger</u> 211, 212, 213, 214, 215, 216</p>	<p>1. This proposal entails working with the National Pesticide Safety Education Center (NPSEC) and the islands of Guam, Hawaii, American Samoa and the Commonwealth of the Northern Mariana Islands to develop:</p> <p>2. A multi-media team will produce an online training resource based on the research review of the PSEP in the Pacific island.</p> <p>3. Develop a Swimming Pool Pest Management Training Manual for pesticide applicators.</p>	<p>1. The PSEP will be visiting Guam in January 2022 to finish 2021 work commitment.</p> <p>2. NPSEC will provide a zipped folder with the RISE modules that can distributed in a variety of ways like PowerPoint, USB drive, a website, or any other delivery method.</p> <p>-Drafts of all of the Core manual chapters will be completed by the end of December</p> <p>3. NPSEC plans to have the draft manual minus any needed locally relevant photos ready as close to the end of December. The plan is to engage with a group of local swimming pool applicators virtually prior to December 31 in order to get feedback for the draft swimming pool.</p>	<p>1. I Received 2021 grant funding for: Pesticide Safety Education Funds Management Program (PSEFMP) \$16,625.00</p> <p>2. Completed draft of updated "Guam Fruit and Vegetable Pesticide Guide".</p>
<p>2. Awaiting funding approval for: A Sustainable Plan to Rescue/Revitalizing Guam's Commercial Agriculture Industry, While Mitigating Food Insecurity during the Current Economic Crisis</p>	<p>This proposal has been submitted to the Government of Guam for funding. If fully approved the money will fund the FCAG operations and enable FCAG to purchase and increase agriculture production in</p>	<p>Not funded</p>	<p>MOU was never signed.</p>

<p>Brought on by the COVID-19.</p> <ul style="list-style-type: none"> - I am the Co-PI <p><u>Global Food Security and Hunger</u> 401, 601, 604</p>	<p>Guam with the help of the University of Guam Cooperative Extension & Outreach.</p>		
<p>3. Awaiting funding approval for: GEDA QCCC grant proposal "Agricultural Enterprise Development using Research and Extension to work with Agriculture producers and Farm Operators".</p> <p><u>Global Food Security and Hunger</u> 401, 601, 604</p>	<p>This proposal has been submitted to the Guam Economic Development Agency for funding. If approved the money will help develop curriculum, web resources, and outreach activities. Virtual presentation will be evaluated to facilitate the exchange of views and discussion of the results with other farmers and agriculture professionals. Materials in print and electronic forms, such as short videos that demonstrate the successful farming practice and associated production strategies, will be disseminated to the agricultural community.</p>	<p>Video is being edited.</p>	<p>1. Received 2021 grant funding from GEDA. \$9,984.00</p>
<p>4. I am the CO-PI on the National Conservation Innovation Grants (CIG) Program "Forecasting daily reference evapotranspiration and rainfall for water resources conservation and sustainable agriculture; The geographic location of the project: Hawaii (HI) [Oahu, Maui, and Big Island], Guam (GU), and Nebraska (NE)". \$935,581.00 (1/2/2020-1/1/2023)</p> <p><u>Global Food Security and Hunger</u> 211, 212, 213, 214, 215, 216</p>	<p>Note: Not planned in 2020-2021</p>	<p>1. 2021 activities are on hold until software from Hawaii is updated.</p>	<p>1. Publication Improving Irrigation Efficiency on Vegetable Crops Using Smart Irrigation Technologies in Guam. Western Pacific Tropical Research Center (WPTRC). Technical Report No. 1 October 2021. \$935,581.00 (1/2/2020-1/1/2023)</p>

Additional information about this Role Assignment.

Role Assignment: Instruction **Not planned**

Planned and Actual Activities for this CFES year:

NOTE: for courses taught, put the number of in brackets [] when reporting Actual Activities and attach evaluation summaries for each course.

Planned Activities (in last years' Future form)	Planned Evidence of Accomplishment (in last years' Future form)	Actual Activities (as they relate to Planned). Indicate any modifications and add new activities at the end of the list.	Actual Evidence of Accomplishment
1. I was a guest lecturer for a University of Guam Agriculture Class:	Not planned in 2020-2021	1. (AL/BI 345) - General Entomology. I presented information on insect pests and control methods for agriculture crops. Fall 2021.	1. I was a guest lecturer for Agriculture class.

Additional information about this Role Assignment.

Role Assignment: Community Service 15%

Planned Activities for this CFES year: December 7, 2020 - December 7, 2021

Planned Activities (in last years' Future form)	Planned Evidence of Accomplishment (in last years' Future form)	Actual Activities (as they relate to Planned). Indicate any modifications and add new activities at the end of the list.	Actual Evidence of Accomplishment
1. I am the University of Guam CE&O representative to the Farmer's Cooperative Association of Guam (FCAG)/Guam Farmers Market Board.	1. Provide meeting documentation and accomplishments.	1. I provided technical advice pertaining to agricultural production and agriculture produce marketing. 2. I provided information on the Farm Stress survey grant FCAG annual membership meeting at the Farmers COOP in Dededo. April 8 th , 2021. 3. I was involved in validating the FCAG 2021 election results.	1. I attended the monthly meetings and provided updates on the University of Guam E&O activities. 2. 30 farmers attended 3. FCAG 2020 election results. May 7 th , 2021.
2. I Serve on the Mongmong-Toto-Maite (MTM) Municipal Planning Council (MPC).	Letter from MTM Mayor acknowledging my participation. Provide meeting documentation and accomplishments.		I attended the monthly meetings.
3. Continue to serve on the Hospitality Ministry for the Dulce Nombre De Maria Cathedral-Basilica.	Letter from Dulce Nombre De Maria Cathedral-Basilica Pastor acknowledging my participation.		1. I attended weekly gatherings and helped with implementing COVID-19 protocols.
4. Continue to serve on the Marriage Ministry for the Roman Catholic Archdiocese of Hagatna.	Letter from the Roman Catholic Archdiocese of Hagatna Marriage Ministry Coordinator acknowledging my participation.	My wife and I are the Archdiocese of Hagatna Marriage Ministry Coordinators for the Western Vicariate	My wife and I prepared and provided training for 5 newly engaged catholic couples. The training for each couple covers 14 chapters of the "For Better & For Ever" Roman Catholic sponsor couple Book. We spent 5 evening sessions (2-2.5 hours per session) to prepare each couple for marriage.
		The Archdiocese of Hagatna marriage ministry secured a	The Marriage ministry has increased sponsor

		\$10,000.00 grant from Catholic Extension to enhance the marriage ministry in Guam. 2021-2022.	couple involvement through recruitment.
5. Serve as Member of College Search Committees as called upon.	Provide copies of documents given to me when called upon for service.		I have been elected to the following UOG committees: <ol style="list-style-type: none"> 1. Faculty election committee 2-year term 2. Institutional Review Board (IRB) 2-year term.
	UOG job Search committees		I served on 4 search committees.

Additional information about this Role Assignment.

Comprehensive Faculty Evaluation System/POW – Part III

Summary of Publications and Grant Activities

On this page, list specific outputs generated during the evaluation period so that they can be entered into the CNAS website databases.

1. Electric Fence for Feral Swine: Materials, Installation Guidelines, & Maintenance July 27, 2021.
2. Improving Irrigation Efficiency on Vegetable Crops Using Smart Irrigation Technologies in Guam. Western Pacific Tropical Research Center (WPTRC). Technical Report No. 1 October 2021.

Publications and other media produced during the review period

1. Electric Fence for Feral Swine: Materials, Installation Guidelines, & Maintenance July 27, 2021.
2. Improving Irrigation Efficiency on Vegetable Crops Using Smart Irrigation Technologies in Guam. Western Pacific Tropical Research Center (WPTRC). Technical Report No. 1 October 2021.

Draft

1. Sweetsop Tree Care on Guam.
In review - E&O publication committee
2. FOCUS GROUP STUDY OF GUAM AGRICULTURAL CHALLENGES AND OPPORTUNITIES AHEAD.
In review - E&O publication committee
3. HEAD START FOR AGRICULTURE ON GUAM:
FOCUS GROUP STUDIES ON CHALLENGES AND OPPORTUNITIES AHEAD.
In review - E&O publication committee
4. Complete genome sequence of tomato leaf curl Guam virus, a novel tomato-infecting begomovirus in Guam.
In review - Journal of Microbiology Resources Announcements

Grants applied for during the review period

1. Pesticide Safety Education Funds Management Program (PSEFMP) 2022 grant. \$17,025.00
2. WSARE 2022 grant proposal Professional + Producer Grant. "5 Future Trainers: Developing a farmer run agriculture production monitoring program for the Farmer's Cooperative Association of Guam (FCAG)". \$58,401.00

Grants won during the review period

1. I am the coordinator for the 2021 Pesticide Safety Education Funds Management Program (PSEFMP) grant. \$16,625.00
2. Received 2021 grant funding from GEDA. \$9,984.00

Other output you want to talk about