

Section 1: Report Header - The Report Header provides an overview of the reporting Division’s mission, divisional outcomes and outcomes status, and a matrix alignment to the College’s Institutional Priorities. Information indicated in the Report Header was extracted from the Agriculture, Community and Natural Resources Divisional FY 2018 Outcome Plan to aid in the division’s monitoring and reporting of outcomes.

ACNR Mission Statement: “While honoring the <i>Fa’a-Samoa</i> (the Samoan Way), we will serve American Samoa’s diverse community by providing research, extension and educational programs in agriculture, natural resources and wellness to enhance the quality of life and to preserve our fragile ecosystem.”		
FY 2020 ACNR Outcome Statements:	Outcome Status:	Aligned College Priorities:
Outcome 1: Strive to effectively provide quality and relevant Research Programs to the community	<input checked="" type="checkbox"/> ACNR Ongoing Outcome	<input checked="" type="checkbox"/> Maintenance <input checked="" type="checkbox"/> Reclassification <input checked="" type="checkbox"/> Professional Development <input checked="" type="checkbox"/> Community Outreach, Extension, and Research
Outcome 2: Strive to effectively provide quality and relevant Extension Programs to the community.	<input checked="" type="checkbox"/> ACNR Ongoing Outcome	<input checked="" type="checkbox"/> Maintenance <input checked="" type="checkbox"/> Reclassification <input checked="" type="checkbox"/> Professional Development <input checked="" type="checkbox"/> Community Outreach, Extension, and Research
Outcome 3: Strive to effectively provide quality Instructional Program to the community.	<input checked="" type="checkbox"/> ACNR Ongoing Outcome	<input checked="" type="checkbox"/> Maintenance <input checked="" type="checkbox"/> Reclassification <input checked="" type="checkbox"/> Professional Development <input checked="" type="checkbox"/> Community Outreach, Extension, and Research

Section 2: Divisional Report - The Divisional Report section allows a Division to report outcome updates through services offered, activities, or performance indicators that occurred during the previous month. The template also includes a section for input on data that support the outcomes of the reporting division not limited to challenges and recommendations for outcome monitoring purposes.

ACNR (1): EXTENSION <u>Agriculture and Aquaculture:</u>	
Annual Outcomes: <ul style="list-style-type: none"> • Number of farmers growing improved varieties of taro and sweet potatoes • Number of farmers/clients growing improved vegetable cultivars. • Number of pig farmers upgrading their stock. • Number of pesticide applicators trained and certified. • Number of farmers growing improved genetic stocks of tilapia. • Number of farmers making their own tilapia feeds. • Number of participants trained on Farm Safety • Number of new aquaculture farmers • Percent of participants who acquired knowledge and followed safe food handling guidelines 	Objectives: <ul style="list-style-type: none"> • To increase farm production and returns, and the well-being of rural farm life, while improving sustainability and protecting the environment and human health. • To improve crop quality/crop security through pest and disease monitoring and genetic diversity. • To increase production and marketing of livestock and farmed fish. • To improve public understanding of agriculture, aquaculture, and marine science, including their impacts on the land and sea

Activities:	Challenges:	Recommendations:	Plans:
<ul style="list-style-type: none"> • Distributed 1391 different vegetable seedlings to 47 interested farmers • Staff distributed 100 taro tops (<i>tiapula</i>) to a total of 2 farmers/clients • Staff conducted 14 farm visitations and provided recommendations on improved farm practices and to follow up on proper planting of materials released. • Staff distributed 4 disease-resistant banana varieties to 1 farmer • Staff assisted 15 clients who called in for assistance (<i>request for planting materials, pests & diseases control, improved farming practices</i>) and other agricultural related issues. • AEPM (Agriculture Extension Program Manager) accommodated 2 AGR-152 students- presented on Agriculture Extension's mission of serving the Farming community. Also provided a practical hands-on exercise on how to transplant vegetable seedlings. • Staff issued 12 sweet-pepper seedlings to Research staff for research purposes. • Sold five (5) vegetable seed packages to 3 clients/farmers who requested seeds for vegetable gardens, family consumption/business purposes. • Field staff continued to multiply taro, 	<ul style="list-style-type: none"> • Topsoil on Island is declining 	<ul style="list-style-type: none"> • Continue to seek alternatives for topsoil. 	<ul style="list-style-type: none"> • Continue to raise vegetable seedlings to accommodate the need to encourage vegetable production in the community • Continue to assist with livestock breeding • Continue to assist with educational tours and visits to Agriculture Field • Continue to serve clients'/farmers' and recommend best agriculture practices. • Continue to assist Tilapia Farmers with tilapia-breeding programs. • Continue to host tours for Aquaculture and Aquaponics programs. • Continue to conduct Pesticide Applicator Certification.

<p>banana, and vegetable seedlings to be distributed to interested clients, encouraging the community to grow their own food for food security.</p> <ul style="list-style-type: none"> • Staff continued to manage on-station plots. • AEPM attended a ZOOM meeting with the Pacific Islands Pesticide Safety Education Fund Management Program (PSEFMP) Project. Discussed how to amend the 2020 Deliverables as proposed in the Grant Budget because of the impact of the COVID-19 Coronavirus pandemic. • AEPM is in the process of putting together the Pesticide Safety Education Fund grant application for 2021. • Agriculture Extension Program assisted in support of Extension Services Program Civil Rights Desktop Audit Review. <p><u>Livestock Program: Piggery Unit</u></p> <p>Piggery Inventory: 10 animals on hand</p> <ul style="list-style-type: none"> • Livestock Staff visited 2 pig farmers and conducted piglet castration field work/demonstration. • The Livestock staff continued to manage the pig demonstration unit including the 			
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<p>daily feeding of animals twice, pest & disease control and other management practices.</p> <ul style="list-style-type: none">• Staff continued the breeding program-mated brown boar with sow in pen #7• The Pig-demonstration unit continues to serve as a living laboratory for ASCC students interested in Agriculture.• Performed castration demonstration for ANS 150A class (<i>Animal Nutrient Management & Pest Disease control</i>) on one male weaner tag#140• Livestock staff started using the new wash-down system after the new septic tank was built.• Livestock Program assisted in support of Extension Services Program Civil Rights Desktop Audit Review. <p><u>CSIAA Program: Aquaculture/Aquaponic</u> Continued tilapia-breeding program:</p> <ul style="list-style-type: none">• 52.5 lbs. tilapia feed produced at CSIAA feed lab• 6 walk-in visitors• CSIAA Program assisted in support of Extension Services Program Civil Rights Desktop Audit Review.			
<p>Achievements: Please utilize the rows/spaces provided below to list down any achievement(s) or accomplishment(s) made during this month. Please provide a description of each</p>	<p>Divisional Outcomes: Please indicate the Divisional Outcome(s) that pertain to the achievement(s) listed below.</p>	<p>Institutional Priorities: Please indicate the Institutional Priorities to</p>	

achievement.	Please check mark all that apply.	which the achievement(s) listed below. Please check mark all that apply.
<p><i>Achievement 1:</i> Distributed 1391 different vegetable seedlings to 47 interested farmers and 100 taro tops (tiapula) to a total of 2 farmers/clients. Farmers learned about the benefits and importance of planting their own food & crops. Farmers reported that it is always a good feeling to harvest fresh produce from their own backyard and that it saves them money. The Extension office also continues to sell seeds of improved vegetable varieties at an affordable price to the public to encourage vegetable farming. Farmers acquired knowledge and developed skills in vegetable and traditional crops production. As a result, families used vegetables from their gardens to prepare nutritious and balanced meals. Moreover, excess harvest is sold to generate revenues for the families. Families reported that they saved money from growing and selling their own vegetables.</p>	<p><input type="checkbox"/> ACNR Outcome 1 <input checked="" type="checkbox"/> ACNR Outcome 2 <input type="checkbox"/> ACNR Outcome 3</p>	<p><input type="checkbox"/> Maintenance <input type="checkbox"/> Reclassification <input type="checkbox"/> Professional Development <input checked="" type="checkbox"/> Community Outreach, Extension, and Research <input type="checkbox"/> Not Applicable</p>
<p><i>Achievement 2:</i> The Livestock staff and Animal Specialist continued to serve pig farmers who seek immediate attention and assistance with swine health issues due to poor diets and pen management. Pig farm owners are pleased with the assistance provided by ACNR on the control of pests and diseases of pigs and general pig health and management/care.</p>		
<p><i>Achievement 3:</i> Tilapia fish farmers saved money by producing their fish feed at the ASCC-ACNR feed lab free of charge.</p>		

ACNR (2): EXTENSION 4H Youth Program:

<p>Annual Outcomes:</p> <ul style="list-style-type: none"> • Number of youths who increase knowledge of life skills concepts and practices. • Number of youths who were able to acquire knowledge for positive self-development • Number of participants who developed new life skills due to all the Program activities. 	<p>Objectives:</p> <ul style="list-style-type: none"> • To empower the youth of American Samoa by providing training on life skills through Outreach and community workshops. • To educate the public, organizations, and parents about the 4-H program.
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<ul style="list-style-type: none"> Number of program participants who have improved parent and children relationship through educational and recreational activities. 		<ul style="list-style-type: none"> To identify and provide life skills, citizenship and training for the youth-at-risk in American Samoa through Outreach workshops and collaboration with partners and other agencies. Empower and enhance youth development through training in workshops through demonstrations & hands on activities 	
Activities:	Challenges:	Recommendations:	Plans:
<ul style="list-style-type: none"> 4-H staff continued to recruit In-School Clubs through the Family Consumer Classes. Staff presented 10 Sewing machines to 30 students of the FCS Poly-Tech High School. 4-H Program assisted in support of Extension Services Program Civil Rights Desktop Audit Review. 			<ul style="list-style-type: none"> Continue to educate and increase community awareness on the 4-H youth programs, and how workshops and activities can empower youths in the community. Work on reviving the 4-H Foundation to help support and assist the 4-H clubs financially. Continue creating networks of people, organizations, and other resources to help support the 4-H programs in the community. Continue recruiting parents and volunteers
Achievements: Please utilize the rows/spaces provided below to list down any achievement(s) or accomplishment(s) made during this month. Please provide a description of each achievement.		Divisional Outcomes: Please indicate the Divisional Outcome(s) that pertain to the achievement(s) listed below. Please check mark all that apply.	Institutional Priorities: Please indicate the Institutional Priorities to which the achievement(s) listed below. Please check mark all that apply.

<p><i>Achievement 1:</i></p> <ul style="list-style-type: none"> 4-H staff presented 10 sewing machines to 30 4-H FCS In-School Club and Fashion Instructor of Poly Technical High School. 4-H FCS Poly Tech In-School Club members and instructor were appreciative of the 4-H contribution especially the planned program projects and activities. Club members developed a sense of belonging and motivation to learn new skills and developed projects that will generate revenues for the club and school. As a result of the ten (10) sewing machines presented to Poly Technical High School FCS/4-H club, 30 students now have the opportunities to acquire knowledge and develop skills in basic sewing and related projects. 	<input type="checkbox"/> ACNR Outcome 1 <input checked="" type="checkbox"/> ACNR Outcome 2 <input type="checkbox"/> ACNR Outcome 3	<input type="checkbox"/> Maintenance <input type="checkbox"/> Reclassification <input type="checkbox"/> Professional Development <input checked="" type="checkbox"/> Community Outreach, Extension, and Research <input type="checkbox"/> Not Applicable
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ACNR (3): EXTENSION Family and Consumer Sciences (EFNEP):

Annual Outcomes: <ul style="list-style-type: none">Percent of participants who acquired knowledge and followed safe food handling guidelinesNumber of participants that prepared healthier foods utilizing locally grown & harvested foodNumber of participants that increased participation in physical activities and exercisesNumber of participants who acquired knowledge and skills through program lessons		Objectives: <ul style="list-style-type: none">To provide Family Consumer Science (FCS) Education for Home-makersTo provide Sewing Lessons for community groupsTo provide Basic Nutrition, Food Safety and Food cooking lessons and demonstrations for limited-resourced families and youth.	
Activities:	Challenges:	Recommendations:	Plans:
<ul style="list-style-type: none">Family Consumer Science Agents recruited and conducted basic sewing fundamental workshops to 2 District (Tualauta & Alataua) participants. A total of 50 participants are enrolled. Hands on trainings are in session, utilizing sewing machines, and other skills are included in these workshops.EFNEP paraprofessionals conducted Nutrition, Food Safety Outreach-Food Cooking demonstration of “Turkey Stew” to 111 DHSS -ASNAP Food Stamp		<ul style="list-style-type: none">Have 5’ x 6’ health communication posters hung up in the Wellness Center Exercise LabHave health survey’ questionnaires completed by employees at both Territorial Bank of American Samoa locations.	<ul style="list-style-type: none">Follow-up with one of ACNRs handymen to hang health communication on of the walls in the Wellness Center Exercise Lab.Follow-up with community partner at the Territorial Bank of American Samoa regarding the questionnaire

<p>recipients for Food Stamp Program. <u>Nutrition Food Safety Lessons:</u> “Menu planning” Keeping Hot Food, hot & Cold Food cold.</p> <ul style="list-style-type: none"> • EFNEP paraprofessionals conducted its 2nd week of EFNEP Outreach to 111 Food stamp clients. <u>Vendors:</u> Aveina Store-Nu'uuli, KS Mart-Iliili, Pacific Mini Mart-Tafuna, J & B store- Pavaia'i, Happy Mart-Tafuna Food demonstration: “Fruit-Cocktail Jell-O” Nutrition Food Safety Lessons: Using a Shopping List” Food Safety Thermometer check. <p>4 CDC Messages: Cover your Cough, coughing or sneezing into your sleeve, wearing your mask and washing your hands often.</p> <ul style="list-style-type: none"> • EFNEP Nutrition assistants reviewed 147 EFNEP Adult & 92 Youth participants’ -clients’- 24-hour Food Recalls and Behavior checklist to WEBNEERS data entry/reporting system. • Submitted EFNEP 5 Year Plan of Work to (USDA-NIFA) FY2021 • FCS & EFNEP Programs assisted in support of Extension Services Program Civil Rights Desktop Audit Review. <p><u>Nutrition Wellness Program</u></p> <ul style="list-style-type: none"> • Provided a nutrition lesson about mindful eating/intuitive eating to 9 students enrolled in ASCCs Animal Science class and then the students participated in a hands-on eating demonstration (bitter melon with onions, garlic, and eggs and rice) to practice the principles discussed during class. • Collaborated with ACNRs Media Specialist, Instructional Coordinator, and Agriculture Extension Program Manager to have the Samoan translation on the updated “Wash Hands After Leaving Animal Exhibits” poster verified for accuracy. Provided Media Specialist with a few suggestions (add: USDA/NIFA logo, contact information, civil rights statement, etc.) • Nutrition Wellness Program assisted in support of Extension Services Program Civil Rights Desktop Audit Review. 		<p>Follow-up with ACNRs Media Specialist to have the <i>Wash Hands After Leaving Animal Exhibits</i> poster updated once translation review is complete.</p>	<p>surveys related to the <i>THINK B4U DRINK / IS THIS TOO MUCH SUGAR?</i> Educational display materials that were put on display at both banks.</p> <ul style="list-style-type: none"> • Continue promoting locally grown & harvested food to community members. • Continue promoting healthy lifestyle behaviors to community members. • Continue modeling and teaching healthy behavior choices to community members.
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Achievements: Please utilize the rows/spaces provided below to list down any achievement(s) or accomplishment(s) made during this month. Please provide a description of each achievement.	Divisional Outcomes: Please indicate the Divisional Outcome(s) that pertain to the achievement(s) listed below. Please check mark all that apply.	Institutional Priorities: Please indicate the Institutional Priorities to which the achievement(s) listed below. Please check mark all that apply.
<p><i>Achievement 1:</i> EFNEP/FCS Agents served a total of 272 food stamp recipients, students, Sewing groups and outreach participants. As a result, they acquired knowledge in healthy food choices, food groups, food budgeting, saving money on sewing materials, and planning nutritious & balanced meals. Also, students participated in preparing and sampling healthy snacks.</p>	<input type="checkbox"/> ACNR Outcome 1 <input checked="" type="checkbox"/> ACNR Outcome 2 <input checked="" type="checkbox"/> ACNR Outcome 3	<input type="checkbox"/> Maintenance <input type="checkbox"/> Reclassification <input type="checkbox"/> Professional Development <input checked="" type="checkbox"/> Community Outreach, Extension, and Research <input type="checkbox"/> Not Applicable
<p><i>Achievement 2:</i> After receiving a nutrition lesson about mindful eating by ACNR's Community Nutritionist, some of the students enrolled in one of ASCC's BIO 181 courses, stand in line to dish up a sample of bitter melon made with eggs, onions, and garlic. Students then practiced some of the mindful eating principles that they learned. This was the first time for most of the students to try this vegetable. Some of the students enjoyed this new vegetable but some were a bit overwhelmed by the bitter taste of the bitter-melon.</p> 		

ASCC students pictured here trying out a new recipe		
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ACNR (4): EXTENSION Forestry Program:

Annual Outcomes:

- Number Improved watersheds and coastal areas
- Number of Forest Stewardship Plans
- Propagation and distribution of fruit trees
- Number of Invasive plant management plans

Objectives:

- Collaborate with other Forestry Programs in conducting conservation education activities, site visits, implementation efforts and recommendations for FSP landowners
- Plant more trees to lessen the impact of climate change and to improve the sustainability of energy for the community's well-being.
- Increase and conduct more tree presentations and demonstrations to help educate the community to identify, conserve, and protect forests and other open spaces from potential forest threats such as climate change, urban development, forest fire, insects, pest and diseases, invasive plant and animal species, water quality and energy.
- Support local community with the planning and implementation of community beautification, costal stabilization, traditional forestry practices, and sustainable use of natural resources.
- Provides the leadership in forestry education, management of forests and tree resources, with respect to the culture and environment of American Samoa.

Activities:	Challenges:	Recommendations:	Plans:
<ul style="list-style-type: none"> • Continued collaborating with the Visitors Bureau in propagating planting materials for Pua (plumeria) project. • Maintained all Forestry Plots such as the Vetiver Grass Plot, Rain Garden Plot, Nature Trail, Forestry Greenhouse, and more. • Continued to connect with the leaders and residents from Ofu and 		<ul style="list-style-type: none"> • Need to hire Forest Health Technician • Need to hire Forestry Researcher • Need to repair Forestry Greenhouse • Need to purchase more 	<ul style="list-style-type: none"> • Continue to meet with partnered agencies for Forestry events and activities.

<p>Olosega to prepare for the upcoming LSR project.</p> <ul style="list-style-type: none">Forestry Program assisted in support of Extension Services Program Civil Rights Desktop Audit Review. <p><u>FHP Data</u></p> <ul style="list-style-type: none">Controlled 439 Pulumaoe seedlings, 292 saplings, and 98 trees at the Malota site <p><u>UCF Data</u></p> <ul style="list-style-type: none">Connected with an urban landowner and distributed 5 Tava, 5 Ifilele, 5 Talie, and 5 Leva saplings for beautification and conservation purposes <p><u>Greenhouse Data</u></p> <ul style="list-style-type: none">Collected 120 Koko Samoa seedsPropagated 32 Ava Samoa, 59 Ifilele, and 120 Koko Samoa seedsTransplanted 12 Tauanave, 5 Ifilele, 11 Pua, and 9 Ava Samoa seedlingsAssisted a total of 3 Greenhouse clients and distributed 10 Tava, 5 Milo, 4 Ifilele, 2 Ava Samoa, 8 Koko Samoa, 6 Poumuli, 4 Ifiifi, 4 Seasea, 2 Nonu, and 4 Talie.		supplies/tools	<ul style="list-style-type: none">Continue to conduct assessments in streams, soils, and forests for control, management, and conservation purposes.Continue to serve Greenhouse clients and landowners in agroforestry projects or tree planting activities by distributing trees and supplies.
<p>Achievements: Please utilize the rows/spaces provided below to list down any achievement(s) or accomplishment(s) made during this month. Please provide a description of each achievement.</p>		<p>Divisional Outcomes: Please indicate the Divisional Outcome(s) that pertain to the achievement(s) listed below. Please check mark all that apply.</p>	<p>Institutional Priorities: Please indicate the Institutional Priorities to which the achievement(s) listed below. Please check mark all that apply.</p>
<p><i>Achievement 1:</i> The ASCC-ACNR Forestry Program partnered with the Finafinau NGO in facilitating and implementing a coastal cleanup at the Lyons Park in Nu'uuli. The clean-up was hosted on Saturday, September 12th, with a total of 176</p>			

students and 24 adult participants. More than 25 trash bags resulted in the clean-up with debris ranging from screen wires, to plastic bottles, syringes, and more. In addition, the Forestry Program is partnering up with the Department of Visitors Bureau for a “Regrowing Culture, Regrowing Beauty” event that will be hosted in the month of October. The purpose of this event is to distribute Plumeria or Pua saplings to the public to promote eco-tourism and urban trees. So far, a total of 228 Pua cuttings in 86 potting bags were transplanted. The result of this event and project will be reported in the next monthly report.



Achievement 2:

The ASCC-ACNR Forestry Program traveled to Ofu/Olosega, Manu’a, and conducted pre-assessments in preparation for all data collection, management plans, and implementation efforts. Assessments targeted the quantity and severity of the Lusina (*Leucaena leucocephala*) and Starburst (*Clerodendrum quadriloculare*) invasive species along with identifying eroded coasts that need restoring.



ACNR (5): Instruction:

Notes:

Activities:	Challenges:	Recommendations:	Plans:															
<div><ul style="list-style-type: none">Preparation and teaching of 10 courses in Agriculture, Community & Natural Resources (ACNR) & Science:</div> <table><tr><td>Ionatana Fasavalu</td><td>Dr. Otto Hansell</td><td>Pauline McFall</td></tr><tr><td>AGR 197</td><td>AGR 100 I</td><td>Staff</td></tr><tr><td>BIO 155 & Lab</td><td>AGR 152</td><td>Professional</td></tr><tr><td>NRS 180 & Lab</td><td>ANS 150 A</td><td>Development</td></tr><tr><td></td><td>ANS 150 B</td><td>PhD Nutrition</td></tr></table>	Ionatana Fasavalu	Dr. Otto Hansell	Pauline McFall	AGR 197	AGR 100 I	Staff	BIO 155 & Lab	AGR 152	Professional	NRS 180 & Lab	ANS 150 A	Development		ANS 150 B	PhD Nutrition			<div>Continue:</div> <div><div>a. Fall 2020 - ACNR</div><div>Instruction begins teaching total of 9 courses. Face to Face and Online session.</div></div> <div><div>b. Administering and management of USDA NIFA Grant (RIIA & DEG) –</div></div>
Ionatana Fasavalu	Dr. Otto Hansell	Pauline McFall																
AGR 197	AGR 100 I	Staff																
BIO 155 & Lab	AGR 152	Professional																
NRS 180 & Lab	ANS 150 A	Development																
	ANS 150 B	PhD Nutrition																


	BIO 181	at University of Hawaii, Manoa.				under guidelines of grant objectives
Travis Flemington						c. ACNR Fall 2020 Internship Program - ACNR Computer Lab, Fruits for Life Greenhouse and Piggery System
NUT 150						d. Student advising and mentoring
<ul style="list-style-type: none"> Administering, managing, and supervision of Fall 2020 Internship programs (4 ACNR Students) <ul style="list-style-type: none"> Eveliynn Fetuao, Sofia Mafua, Elisha Meleisea, Sapoelatu Palemene Catalog Review for 2020-2022 USDA NIFA Grants (RIIA & DE) <ul style="list-style-type: none"> Management and administration of Resident Instruction (RI) and Distance Education (DE) grants Prepare check request for staff development and summer programs Fruits for Life Greenhouse <ul style="list-style-type: none"> Maintenance & General Nursery – overseen by Ionatana Fasavalu and Greenhouse Technician – Eirenei Tesimale School, Community & client visits 						e. Maintenance & General Nursery of Fruits for Life Greenhouse; facilitating tours and greenhouse visits, outreach
						f. Planning, implementation of revised schedule/work from home/changes in work hours in response to Coronavirus Pandemic preparations

<ul style="list-style-type: none"> • Conduct maintenance & general nursery of Fruits for Life Greenhouse. • General supervision of interns in the general management of Piggery Unit by Otto Hansell. 			
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ACNR (6): Research Programs:

Research Program 1: Horticulture

Activities:	Challenges:	Recommendations:	Plans:
<ul style="list-style-type: none"> • Taro improvement project. Completed taste test of new varieties. Planted out 3 varieties for field propagation. Weeded, mulched and fertilized plots. • Vegetable variety trials. Completed sweet basil trial. Harvested Thai basil trial. • Assisted with little fire ant control work. • Assisted 8 students with science symposium/fair projects. • Presented lecture to Poly-Tech High School and visited greenhouse to offer advice. "Growing vegetables in American Samoa." • Presented lecture for AGR 152 class. "Career opportunities in Agriculture." • Prepared presentation for UH Cohort class. "Food security, climate change and place-based agriculture." • Produced and submitted information to Am. Samoa Nutrient Management Committee on fertilizer application recommendations. • Planted tomato variety demonstration. • Assisted DOC with mixing of new hydroponic fertilizer for their hydroponic demonstration. • Visited community member's garden (Vailoa) to give advice on fruit trees. 	<ul style="list-style-type: none"> • Need more field space on station for trials 		<ul style="list-style-type: none"> • Continue vegetable variety trials. • Continue taro project. • Assist entomology with LFA assessment/treatment. • Work on greenhouse assembly. • Work on food safety assignment. • Work on Nutrient management plan for Fertilizer ban committee. • Assist students with science fair projects

Achievements: Please utilize the rows/spaces provided below to list down any achievement(s) or accomplishment(s) made during this month. Please provide a description of each achievement.		Divisional Outcomes: Please indicate the Divisional Outcome(s) that pertain to the achievement(s) listed below. Please check mark all that apply.	Institutional Priorities: Please indicate the Institutional Priorities to which the achievement(s) listed below. Please check mark all that apply.
<i>Achievement 1:</i> Completed one taste test comparing eating quality of new taro varieties developed at ACNR. Results of the test and agronomic assessments used to select three of the varieties for further propagation.		<input checked="" type="checkbox"/> ACNR Outcome 1 <input checked="" type="checkbox"/> ACNR Outcome 2 <input type="checkbox"/> ACNR Outcome 3	<input type="checkbox"/> Maintenance <input type="checkbox"/> Reclassification <input type="checkbox"/> Professional Development <input checked="" type="checkbox"/> Community Outreach, Extension, and Research <input type="checkbox"/> Not Applicable
 <p>ACNR staff with Nu'uuli Poly Tech High School agriculture students. Poly Tech instructor, Ms. Lirio Aguilar, completed an internship with the ACNR Horticulture program this past summer.</p>			
Research Program 2: Entomology			
Activities:	Challenges:	Recommendations:	Plans:

<ul style="list-style-type: none"> • Frequent rains during October prevented any applications of insecticidal baits to the little fire ant infested areas. An assessment of efficacy of control in the Pago Pago infestation was completed showing a reduction of little fire ant prevalence in the treated area from 77% in January to 3% in October. Treatments will continue in this and the other infested areas. Surveys were conducted at two locations where the public had reported possible new little fire ant infestations. In both cases—one in Pava'ia'i and one in Mapusagafou—no little fire ants were found—only tropical fire ants and other ant species. • Continued maintaining colony of Pulvinaria scale insects for Pulvinaria biocontrol research project for Rose Atoll. ACNR is assisting US Fish and Wildlife Service to assess status of massive infestation of pisonia trees (<i>pu'a vai</i>) by an invasive scale insect there and investigate options for control of the invader. • Assisted one client with controlling an infestation of honey bees inside a church building. • Presented results of ACNR research to assess prevalence of the parasite causing lymphatic filariasis in the American Samoa mosquito populations and to further improve the mosquito trapping system used to do so. Presentation was part of international meeting (via zoom conference) of the Coalition for Operational Research on Neglected Tropical Diseases attended by scientists from Asia, Africa, Europe, the U.S., and Central and South America. • One Entomology staff attended the OSHA 30-hour Construction training taught at the ASCC Trade and Technical Department 			<ul style="list-style-type: none"> • Continue little fire ant detection, prevention, and control • Analysis of filariasis xenomonitoring data • Report results of June insect survey of Rose Island • Process samples from trapping and collections to investigate fungus gnat outbreak on Tutuila
<p>Achievements: Please utilize the rows/spaces provided below to list down any achievement(s) or accomplishment(s) made during this month. Please provide a description of each achievement.</p>		<p>Divisional Outcomes: Please indicate the Divisional Outcome(s) that pertain to the achievement(s) listed below. Please check mark all that apply.</p>	<p>Institutional Priorities: Please indicate the Institutional Priorities to which the achievement(s) listed below. Please check mark all that apply.</p>
<p><i>Achievement 1:</i> Data analysis of 2018 lymphatic filariasis mosquito xenomonitoring study revealed widespread ongoing filariasis transmission on Tutuila Island, supporting the decision by DOH to proceed with renewed filariasis elimination effort. Data also supported continuing to use our locally adapted mosquito trapping system over systems used in other countries which are less efficient and less sensitive for detection of the lymphatic filariasis parasite in mosquitoes in American Samoa.</p>		<p><input checked="" type="checkbox"/> ACNR Outcome 1</p> <p><input type="checkbox"/> ACNR Outcome 2</p>	<p><input type="checkbox"/> Maintenance</p> <p><input type="checkbox"/> Reclassification</p> <p><input type="checkbox"/> Professional Development</p> <p><input checked="" type="checkbox"/> Community Outreach, Extension, and Research</p>

☐ ACNR Outcome 3

☐ Not Applicable



The BG Sentinel mosquito trap (right) proved more sensitive and more efficient than the CDC Gravid Trap as a system for monitoring prevalence of the parasite that causes lymphatic filariasis in American Samoa.