

THE DIVISION OF AGRICULTURE,
LIFE & VETERINARY SCIENCES, &

Cooperative Extension



Gila County Report 2020



GILA COUNTY COOPERTIVE EXTENSION



“Agricultural extension is a general term meaning the application of scientific research and new knowledge to agricultural practices through farmer education. The field of extension now encompasses a wider range of communication and learning activities organized for rural people by professionals from different disciplines, including agriculture, agricultural marketing, health, and business studies.”

“The Cooperative Extension Service, also known as the Extension Service of the USDA, is a non-formal educational program implemented in the United States designed to help people use research-based knowledge to improve their lives. The service is provided by the state's designated land-grant universities.”



In 1862, Abraham Lincoln signed into law the Morrill Act, which started land grant universities.

- Is in more than 100 colleges and universities that comprise the nation's Land-Grant University System
- Is in all 50 states and U.S. Trust Territories
- Has an office in or near most of the nation's approximately 3,000 counties
- Has support from more than 600,000 volunteers nationwide, impacting 6.5 million young people in 4-H

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Globe, AZ 85501
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Payson Office
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Gila County and San Carlos Facebook <https://www.facebook.com/gilaextension>

San Carlos general website page <https://extension.arizona.edu/san-carlos-apache-tribe>

Developmental and Sensory Screening <https://extension.arizona.edu/gila-sc-dss-program>

Financial Literacy <https://extension.arizona.edu/financial-literacy>

Positive Discipline (Gila) <https://extension.arizona.edu/positive-discipline-workshops>

Gowa: Teachable Moments for Apache Children (San Carlos) <https://extension.arizona.edu/gowa>

NOPA (San Carlos) <https://extension.arizona.edu/san-carlos-apache-tribe-nopa-program>

Gila County general website <https://extension.arizona.edu/gila>

Table of Contents 2020

From the Desk of

Contents	1
Letter from Renee Carstens, Interim Regional Director	2

Faculty & Staff

Faculty & Staff	3
New Hires	3

Boards & Tribal Council

Board of Supervisors	3
Extension Advisory Board	3
San Carlos Tribal Council	3

Major Gila County Programs

Program Definitions	4
---------------------------	---

Chris Jones, Agriculture and Natural Resources

Summary, Programs	5,6
Plan of Work	7

Ashley Hall, Animal Science & Natural Resources

Summary, Programs	8,9
Plan of Work	10

Ashley Dixon, Family Consumer Health Science

Summary, Programs	11,12
Plan of Work	13,14

Juan Arias, Tribal Extension Programs in San Carlos

Summary, Programs	15,16
Plan of Work	17

Renee Carstens, 4-H Youth Development

Summary, Programs	18,19
Plan of Work	20

Financials

Grants & Donations	21,22
Grants & Donations Percentages	23

Demographics

Gila County	23
-------------------	----

Back Page

Obituaries, Staff Zoom, Retirement	24
--	----

From the Director: Renee Carstens

As we take some time to reflect on the past year, we all have experienced life changes that were not expected as 2020 commenced. For most of us, our daily lives are much different as we continue to overcome the challenges and losses brought on by the worldwide COVID-19 pandemic. In March of 2020 we thought there would be a short pause with in person programming, but things would get back to normal within a month, then another month, and **unfortunately it's been over a year and we all are adjusting to a new kind of normal.**

At the end of May 2020, we said farewell to Rick Gibson as he began his new journey into retirement. We will always be grateful for the leadership, support and mentoring Rick provided during his five years with Gila County. The expansion of the Extension team and increased programs offered in Gila County **is due to Rick's ability to advocate to meet the needs in this region. The positive impact he made will be eternally appreciated.**



Gila County Extension welcomed 4-H Agent, Renee Carstens as Interim Director.

As the pandemic spread across the county, nation, and world the Gila County Cooperative Extension team did not waver as the challenges of providing services to the community increased. Our priority was to keep our community healthy and safe. This initiated changes such as working remotely, virtual programs, and the **development of kits to distribute to continue hands on learning opportunities for our residents. The team's** commitment to the community, understanding of the importance and value of the programs they deliver, and the desire to assist the people of Gila County led to creative alternative programs so that educating the public could continue. We are pleased to share the 2020 annual review and the 2021 plan of work.

The mission of Cooperative Extension is to provide research-based information through education and research programs that help solve important issues to Gila County. It is our pleasure to work diligently with the citizens, providers, and other stakeholders to meet those local needs.

Our work spreads across many disciplines, including community development, agriculture, families, consumer issues, health, youth development, and natural resources. Gila Cooperative Extension offers programs which include forest health, home gardening, 4-H and other youth development education, family health and wellbeing, youth health screening, financial literacy, and nutrition just to name a few of the many opportunities for our residence to engage and learn. This report will share what we have been doing in our community.

Sincerely,

Renee Carstens
Gila County Extension Director



Director Rick Gibson retires after 39 years.

Cooperative Extension Gila County Faculty & Staff

University of Arizona Cooperative Extension Gila County Faculty & Staff

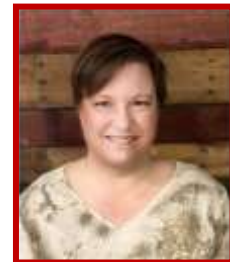
Juan Arias	Agent, Agriculture and Natural Resources, FRTEP, 4-H, FTF, San Carlos
Thuy Bishop	Health Educator, Developmental Sensory Screening, San Carlos
Christine Carlson	Instructional Specialist, CYFAR, San Carlos
Renee Carstens	Interim Gila County Director, Agent for 4-H
Chrisann Dawson	Instructional Specialist, Sr., Family Consumer Health Sciences, Payson office
Ashley Dixon	Assistant Agent, Family Consumer Health Sciences, Globe office
Benjamin Downer	Program Coordinator, Family Consumer Health Sciences and Youth Development
Mori Farmer	Business Manager, Payson office
Cate Gore	Instructional Specialist, Financial Literacy, Positive Parenting, Globe office
Ashley Hall	Area Assistant Agent, Agriculture and Natural Resources, Gila & Pinal Counties
Jon Hatch	Program Coordinator, 4-H, Payson office
Teri James	Instructional Specialist, First Things First Nutrition, San Carlos office
Christopher Jones	Agent, Agriculture & Natural Resources, Globe office
Roxanne McInturff	Administrative Secretary, Globe office
Nicole Talkalai	Secretary, San Carlos office
Melody Thomas	Instructional Specialist, Nutrition, Obesity, Physical Activity, (NOPA), San Carlos



New Hires

In 2020, the Family Consumer Health Sciences (FCHS) brought on two Instructional Specialist in San Carlos through grants and an AmeriCorps.

Melody Thomas—NOPA
Christine Carlson—CYFAR
Kinsey Speer—AmeriCorps—Exploring 4-H



University of Arizona Gila County Boards & Tribal Council 2020

Board of Supervisors

Tommie Martin	District I
Tim Humphrey	District II
Woody Cline	District III

Advisory Board

Janet Brandt
Twila Cassadore
Ben Dalmolin
Marsha Fitzhugh
Mike Henderson
Dorine Prine
Clark Richins

San Carlos Tribal Council

Terry Rambler	Tribal Chairman
Tao Etpison	Vice Chairman
Velasquez Sneezy	Gilson Wash
Simon Hooke	Gilson Wash
Bernadette Goode	Seven Mile Wash
John Antonio Jr.	Seven Mile Wash
Fred Ferreira	Peridot
Dr. John Bush	Peridot
Allred Pike Jr.	Bylas
Jonathan Kitcheyan	Bylas
Ned Anderson Jr.	Bylas

Gila County Programs 2020

4-H Youth Development

Renee Carstens / Jon Hatch

Assistant Agent / Program Coordinator

The Gila County 4-H Program Agent and Coordinator develops the Gila County 4-H program by conducting a systematic analysis of the county to identify the community assets, program needs and teaching opportunities. They also cooperate with community groups, local leaders, volunteer 4-H leader's councils, Gila County Extension Advisory Board, County Extension Director, and other extension professionals to develop an annual plan of work. The Coordinator shall also identify resource opportunities and write grants to acquire resources to expand and support education programs.

Animal Science & Natural Resources

Ashley Hall Area Assistant Agent

The primary responsibility of this position is to provide leadership in developing and conducting research-based educational programs in animal science, primarily livestock production, and range management with an emphasis in Gila (80% responsibility) and Pinal (20% responsibility) Counties. A major programming effort is in administering the federally funded *Reading the Range* rangeland vegetation monitoring program which is in place on over one million acres on the Tonto National Forest. This program is a critical need because it provides information which quantifies rangeland health and the sustainability of livestock grazing.

Agriculture & Natural Resource

Christopher Jones Agent

In cooperation with the USDA Forest Service, the Forest Health Program provides assistance to protect, improve, and restore forested ecosystems from the adverse effects of insects and diseases in the State of Arizona with emphasis on private and state owned lands.

A primary responsibility of this position is to provide leadership in developing, implementing and evaluating educational programs. These programs aim to improve the sustainability of natural resources as well as rural communities. Another goal is to increase understanding and involvement in natural resources, not only including forest, but also watershed issues and horticulture in the rural community. A final aim is to increase the effectiveness of clientele, groups, and individuals, and to empower them to solve their own problems, improving their lives as well as the quality of life for the community.

Nutrition/Obesity/Physical Activity

Teri James / Melody Thomas

Instructional Specialist / Instructional Specialist

These positions are responsible for educational sessions and enrichment activities to introduce children 0-5, their parents, childcare givers to healthy nutritional options. Responsible to participate in outreach activities to promote the multiple programs, provide assistance for training and collect evaluation.

Children, Youth, & Families At-Risk

Christine Carlson Instructional Specialist

This position is to improve the quality and quantity of comprehensive community-based programs for at-risk children, youth, and families supported by the Cooperative Extension System.

Family Consumer Health Sciences

Ashley Dixon / Benjamin Downer

Assistant Agent / Program Coordinator

The primary responsibility of this position is to create and supervise community outreach programs that provide research-based, objective, formal and informal education within the areas of health, nutrition, physical activity, family life skills and development, and parenting and Financial literacy. Using community needs and assessment data, the agent develops and conducts programs which address priority needs. The agent assists adults and families by building connections with community groups, agencies, and other organizations.

Federally Recognized Tribal Extension Program

Juan Arias Assistant Agent

The primary responsibility of this position is to establish an Extension presence and support Extension outreach on Federally Recognized Indian Reservations and Tribal jurisdictions of Federally recognized Tribes. The position seeks to continue the land grants mission of providing education and research-based knowledge to the community. It also aims to provide 4-H youth development programs focus on delivering curricula that promote life skills, horticulture activities, nutrition, and career opportunities. In addition, to provide resources in Agriculture and Natural resources that support rancher/farmers to expand their business and or programs. This position is funded by USDA-NIFA funds that support a full-time agent and half time administrative position in the San Carlos Apache Tribe.

FCFS Financial Literacy / Positive Discipline

Cate Gore

Instructional Specialist

These positions are responsible for outreach and delivering of the Financial Literacy and Parenting curriculum with instruction workshops, events, activities, and evaluations throughout Gila County.

University of Arizona Nutrition Network Developmental & Sensory Screening

Thuy Bishop / Chrisann Dawson

Health Educator / Instructional Specialist

These positions work for the sensory (vision/hearing) and developmental screenings throughout all of Gila County. This position provides and promotes screening services to young children, ages 0-5 and educating their parents and caregivers.

Building partnerships with the different entities within these areas has allowed the program to be more visible and known among the different agencies and the communities.

AmeriCorps—UACE Wildcat Corps

Tucker Guillian / Taylor Barnes / Kinsey Speer

4-H Youth Development / Mentoring

A statewide network that provides lifelong educational programs for all Arizonans. Members commit their time to address community needs with service that strengthens the capacity of youth to increase educational attainment, address community needs and fosters positive youth development.

Master Gardener / Horticultural Programs—*Chris Jones*

Provided significant educational experiences to at least 1,095 clients through webinars, classes and presentations open to the public.

Garden & Country Extension Webinar Series

- In response to COVID-19 social distancing guidelines, Agent Jones initiated a weekly series of Extension webinars addressing natural resources and horticultural issues pertaining to Gila County and beyond.
- Organized and hosted ten webinars addressing Horticulture. Live participation ranged from 20 to 154, and the webinar recordings logged 1,114 cumulative views.
- Presenters included: Cooperative Extension Educators Dr. Janick Artiola, Bill Cook, and Jan Groth; Gila County Master Gardener Rich Johnson, Payson Community Gardener Suzan Miller-Hoover; and Terry Gorton from the Pine Creek Lavender Farm.

Payson Master Gardener Group

- Using Zoom, the group continued to hold regular meetings and conduct some volunteer educational activities. Outreach and service activities included:
 - * Designing and installing a planter space (8'x15') at Payson Community College.
 - * Two Master Gardeners grafting 60 heritage variety scions on 30 apple trees at the Parson Apple Orchard and a written article on it.
 - * Four Master Gardeners maintaining a demonstration garden at the Star Valley Community Garden.
 - * Six MG volunteers leading & managing the Payson Seed Library.
 - * Three MG volunteers initiating a raised bed demonstration project in Gisela.
 - * Four volunteers recorded 95 hours of volunteer service and 34.5 hours of continuing service in 2020.

Gardening Classes in Payson

- Offered both a spring and fall gardening class in collaboration with the Payson Community College.
 - * The Spring course was attended by 32 students and the Fall with 19 students.
 - * 21 and 13 completed the course respectively.
 - * Covid-19 impacted both classes, requiring a switch to Zoom technology.
 - * 34 students increased their knowledge, critical thinking and skills by participating in the gardening class.



Gardening class at GCC

Other Efforts Delivered by Agent

- Delivered horticulture information and assistance through approximately 60 phone calls and 75 email clients. Phone and email inquiries increased due to COVID-19 and the webinar series.
- Made site visit consultations concerning naturally grown certification for lavender in Pine and an irrigation plan for a lavender farm in Globe.
- Advised clients in Payson that experienced various leaf-footed bug invasions, and in Tonto Basin that experienced an invasion of mesquite cutworms.
- Participated in a Community Tree Pruning Demonstration Workshop in Payson (2/15, 100 participants).

Forest Health and Sustainability Programs—*Chris Jones*

Reached at least 773 adult clientele in the county, state and nationally.

Garden & Country Extension Webinar Series

- In response to COVID-19 social distancing guidelines, Agent Jones initiated a weekly series of Extension webinars addressing natural resources and horticultural issues pertaining to Gila County and beyond.
- Organized and hosted seventeen webinars addressing Forest Health and natural resources. Live participation ranged from 17 to 63, and the webinar recordings logged 820 cumulative views.
- Presenters included: Cooperative Extension educators Dr. Ed Franklin, Dr. Elise Gornish, and Ashley Hall; Gila County's Jake Garrett, Carl Melford, and Kenny Keith; Kevin McCully, Payson Fuels Manager; and Ann George, Freeport-McMoRan senior scientist.

Forest Health / Firewise

- Hosted several webinars addressing forest health and Firewise education. Many were in response to the 2020 wildfires in Gila County, including the Bush Fire (June 193,455 acres), and Salt and Griffin Fires (August 83,491 acres combined), and the 2019 Woodbury Fire (June 123,875 acres).
- Assisted the Pine-Strawberry Fuel Reduction NGO to develop a Firewise plant list and select specimens for the area and design a demonstration garden at the Pine Trailhead.
- Was invited to present about Forest Fire Prevention and Education for a STEM Community Lunchtime Conversation (Oct 15, 35 participants).



Ember Awareness Checklist



Salt Fire, Gin Fire, and Griffin Fire (Source: National Wildfire Coordinating)

Cobre Valley Watershed Partnership

- Teamed up with the UA Water Resources Research Center to conduct the Third Annual Cobre Valley Water Forum: Healthy Forests, Healthy Watersheds. The two-day virtual forum was held on Nov 12 & 13 and attended by roughly 60 participants each day. He guided the theme of wildfire mitigation and provided welcoming remarks. Participants increased their awareness about local watershed issues in the Cobre Valley area, including forest health, wildland-

Youth Activities

- Conducts the FFA Forest Career Development Activity in Tucson with USFS partners (2/28-29, 40 students). We added a field exercise at Madera Canyon and updated the curriculum. COVID-19 social distancing precluded additional youth programming.

See what's on the agenda!

Healthy Forests, Healthy Watershed

November 12-13, 9am - 12pm

Check out the exciting lineup of Forum speakers and topics



Forest Health & Sustainability

- Provide leadership for youth education through the FFA Career Development Activity (February). Convert the testing to online due to COVID -19 social distancing.
- Partner and work with Arizona Department of Forestry and Fire Management (ADFFM) and assist with developing a Fire Adapted Communities Network for Arizona (AZFAC) (throughout year).
- Seek to partner with Cobre Valley firefighting community and other partners to address Wildland Urban Interface issues. Host a Virtual Learning Exchange as an AZFAC activity (April), as well as one between Globe-Miami and Oracle Fire departments. Other possible activities include a FaceBook page and a Firewise Assessor training event in Gila County (Fall).
- Provide administrative oversight as grant PI and participate in the NAU biomass energy feasibility study to ship wood chips to South Korea as a forest health and wildfire solution. We expect to close out the grant this year.
- Partner with USU, CSU and NMSU to host an interactive virtual workshop about ecosystem services and entrepreneurial opportunities using forest biochar in the Four Corner States (Spring).
- Place an order for copies of the Arizona Living with Wildfire bulletin to replenish supplies and utilize funds that expire with the fiscal year (Spring).
- Collaborate and participate in the Cobre Valley Watershed Partnership and the Water Resources Research Center colleagues to address the regional water budget and other water related issues ([throughout year](#)).
- Mail copies of the research report for the Climate Masters Outreach and Extension project to participants and stakeholders, and close out grant as funded by NIFA and partnering with NMSU (Spring).
- Host the Garden and Country Extension webinar series featuring timely and pertinent topics and speakers about forest health and natural resources issues (throughout year).

Home Horticulture

- Guide and support the Payson Master Gardener group (throughout year).
- Host the Payson Community Garden spring training series online for the public and community gardeners (Spring).
- Assist volunteers to graft local heritage apple scions at the Payson apple orchard (spring).
- Assist volunteers in Payson to maintain a community seed library, and seek to initiate a seed library in Globe (throughout year).
- Host the Garden and Country Extension webinar series featuring timely and pertinent topics and speakers about horticulture and gardening issues (throughout year).
- Support and assist success of the Project Harvest grant, environmental citizen science research in Globe-Miami, led by UA Dr. Monica Ramirez (throughout year). Host a webinar featuring a report on the project.
- Attend to public requests by phone and email and make house calls when deemed appropriate and as COVID-19 restrictions allow (throughout year).



Livestock Production and Range Management Programming

Rangeland monitoring was completed in coordination with Tonto National Forest (TNF) seasonal employees and range management staff. Tonto NF and Tonto Natural Resource Conservation District contributed funding used to hire four contractors. Other outputs:

- Monitoring took place at 70 key areas across 16 allotments; including three allotments (19 new key areas) that had not previously participated.
- Each rancher and TNF range staff is given a technical report with a summary of all data collected.

VGS, a rangeland monitoring software, is an integral piece of vegetation monitoring in Gila County and throughout the Southwest. Ashley Hall works in collaboration with the developer Dr. Despain and other VGS development team members to:

- Provided help support to 55 users and virtual trainings to Hopi Tribe, Hawaii Natural Resource Conservation Service staff, and Bureau of Land Management Lower Sonoran Field office staff.
- Co-lead with Dr. Despain a VGS User Group workshop at the National Society for Range Management Conference in Denver CO.
- Tested and provided feedback on new features of Version 5.0 and a version to VGS to be used with Android devices.



AI Clinic participant learning about cow anatomy on a bovine simulator.

Due to the suspension of in-person programming, a limited number of workshops were organized in 2020.

- Beginning Rancher Workshop: Range 101: 75 participants, overall workshop rating 4.3/5. When asked if producers had implemented a management practice after attending an Extension workshop responses included "using replacement breeders, conservation planning, intense monitoring and management". This workshop reached 23 participants that had never attended an Extension event.
- Artificial Insemination (AI) Clinic: 15 participants. Originally planned to be a 3 day clinic, however participants were sent home after day 1 due to COVID-19 concerns.
- Tonto National Forest Collaborative Drought Meeting: 28 participants. Meeting shared drought tools created by the University.
- Participated in the Interagency Post-Fire Meeting organized by Gila Co. Cattle Growers speakers included TNF, NRCS, AZGFD, San Carlos BIA, FSA representative, Gila Co. Board of Supervisors, AZ Cattle Growers' President, Paul Gosar staff member, Arizona House of Representative Dave Cook.

As a member of the Arizona Livestock Incident Response Team (ALIRT), visited ranches on Tohono O'odham Reservation, Globe and Alpine experiencing multiple livestock deaths. Collected information on range conditions, water and tissue samples, and took samples to UA Diagnostic Lab. Shared range summary report with AZ State Veterinarian and other ALIRT members to assist with diagnosis.

Range Management and Animal Science — *Ashley Hall*



Range Health Ag Days Lesson

Youth Development Programming

Ag Daze provides agriculture awareness to 4th grade students in Gila County by introducing them to agriculture topics such as cotton, dairy, mining, agriculture and health, farming, ranching, and range management (taught by A Hall).

- Lessons were provided to 175 students at Julia Randall and Lee Kornegay Elementary Schools.
- After “Range Health” lesson, 60% of students were able to make the connection that plant health is directly related to cattle grazing on rangelands.

Natural Resource Conservation Workshop for Arizona Youth (NRCWAY) is a weeklong natural resource based summer camp with speakers from various Federal and State Agencies to give high-school aged students an introduction to potential careers. The camp is organized by Co -Directors K. McReynolds, J. Schalaus, A. Brischke and A. Hall. In 2020 camp was not held. The Co-Directors made the decision not to offer an online experience due to the hands-on nature of activities at camp.

Research Grants and Contracts

Title	Funding Agency Sponsor	Amount
Developing Opportunities and Growing Business of Limited-Resource and Native American Beginning Farmers and Ranchers in Arizona	United States Department of Agriculture - National Institute of Food and Agriculture	\$48,000
Range Land Monitoring and Training	Bureau of Indian Affairs	\$9,999
Reading the Range Technical Assistance	United States Forest Service	\$30,000
Reading the Range Technical Assistance	Tonto Natural Resource Conservation District	\$30,000

Scholarly Contributions and Professional Development

- Provided presentations for 6 educational workshops in Gila County and throughout Arizona.
- Presented and/or provided content for 2 poster presentations at various national and state conferences.
- Lead author on 1 publication submitted to Journal of Extension and 4 Arizona Livestock Newsletter articles, and 1 Rangeland Partnership Newsletter article.
- Co-author on 2 Extension bulletins, a Vegetation Monitoring Protocol, Method and Ground Rules document for Navajo Nation Bureau of Indian Affairs, and 2 conference proceedings.
- Updated the Grazing Southwest Grasslands Learning Module for NRCS employees.
- Extension Annual Conference Planning Committee.
- 83.5 hours of professional development.
- Peer reviewed 7 UA Extension bulletins
- Arizona Agriculture Extension Association President.
- Arizona Society for Range Management Secretary and Treasurer.
- National Society for Range Management Co-Chair for 2022 Annual Conference.



Rain Gauge at Monitoring Location

2021 Plan of Work — *Ashley Hall*

Livestock Production and Rangeland Management

- Resume forage nutrient content research project.
- Resume (if possible) to organizing twice a year Hands-on AI Clinics.
- Resume (if possible) to providing support and programming for Beginning Farmer/Rancher Grant funded by USDA-NIFA.
- Assist in VGS Trainings though out the southwest.
- Complete vegetation monitoring data summary reports for 2020 monitoring and begin scheduling 2021 monitoring.
- Continue establishing monitoring sites on allotments not yet involved in monitoring program (6 Allotments).
- Contribute to Statewide Range and Livestock Quarterly Newsletter.
- Begin working on Pleasant Valley Museum Flora Project. The educational display will provide information to help visitors identify vegetation seen in the Young area. It will include pressed plants of the area and information on invasive species in the area and how to limit their spread.



Desert Anemone



Hopi VGS Training

Youth Development

- Work with Renee Carstens to organize Agriculture Days Awareness Program (if possible). Teach “Rangeland Health” lesson to all 4th Grade Classes in Gila County. Determine how to make up lessons to students that were missed due to COVID-19.
- (If possible) Organize the 57th annual Natural Resource Conservation Workshop or Arizona Youth to be held in July at Mingus Mountain 4H Camp. This year’s topic – Watershed Management.

Service

- Past-President of Arizona Agriculture Extension Association.
- Participate in local NRCD meetings.
- Provide programming update at Board of Supervisors Meeting.
- Present on programming at local and National conferences.
- Submit Extension Bulletins and Journal Articles for Peer Review.
- National Society for Range Management Co-Chair for 2022 Annual Conference.



Snow on Apache Mountain

Financial Literacy

- 5 *Where Does Your Money Go?* (WDY\$G?) Workshops offered in-person in Gila County.
- 26 *Where Does Your Money Go?* Workshops offered virtually:
 - * 100% of respondents reported they will think differently about how they manage their money.
 - * 100% of respondents said they could have more money if they made different spending choices.
 - * 100% reported “spending leaks” over the course of one year averaging \$3,530.
- Participants (in-person) reached in Gila County: 17 participants in WDY\$G? & 22 participants for Building Financial Security (attended at least Lesson One).
- Participants (virtual) reached in Gila County: 62 participants in WDY\$G? & 17 participants for Building Financial Security (attended at least Lesson One).
- 1 video prerecorded regarding finances (e.g., Snowball Method for Debt Reduction)- 16 individuals viewed the prerecorded video.
- 26 infographics created to distribute to the public (e.g. 3 Questions to Ask Before Using Your Emergency Fund, The Debt Snowball, A Guide to Use Your 2020 Stimulus Check, etc.)- 11,339 individuals viewed, 270 liked, and 59 commented on infographics.



Positive Discipline

- 2 videos prerecorded for future viewing of parents; (e.g., Parenting Tips for Parents with Teens Part 1 and 2)- 668 individuals reached and 124 individuals viewed the prerecorded videos.
- 21 infographics created to distribute to parents with children 318 year old (Family Meetings, Natural Consequences, Kind & Firm, Listening, Problem Solving, Letting Go, etc.) - 10,148 individuals viewed, 233 commented/liked, and 90 shared infographics.
- 41 parenting sessions conducted by Gila County staff.
- 2 additional series held online for statewide participation- 33 program participants statewide.
- 20 single-session parenting support groups- 11 participants parenting support groups.



Developmental and Sensory Screening, Gila

In 2020 this program provided the following:

- 64 Vision screenings on children between the ages of 1-5 years of age.
- 70 Hearing screenings on children between the ages of 1-5 years of age.
- 152 ASQ3 screenings on children between the ages of 0-5 years of age.
- 152 families received guidance to assist their child develop in particular domains and improve their overall development and 15 children received referrals after screenings were completed.

First Smiles (Oral Health) Gila Region

- 48 0-5-year-olds received oral health screenings- 29 had fluoride varnish applied.
- 6 group classes were held about the importance of dental health and brushing teeth, including a book reading to the younger children.

Developmental and Sensory Screenings, San Carlos

In 2020 this program provided the following:

- 19 Vision screening on children between the ages of 1 - 5 years of age.
- 30 Hearing screenings on children between the ages of 1 - 5 years of age.
- 96 ASQ3 screenings on children between the ages of 0 - 5 years of age.
- 96 families received guidance to assist their child develop in particular domains and improve their overall development and 46 children received referrals after screenings were completed.
- 10 videos prerecorded for future viewing of families and their children 0-5 years of age- 5,428 total views of the prerecorded videos.



Nutrition, Obesity and Physical Activity (NOPA; San Carlos)

Splits this project with FRTEP Assistant Agent Arias housed in San Carlos. In 2020 this program provided the following:

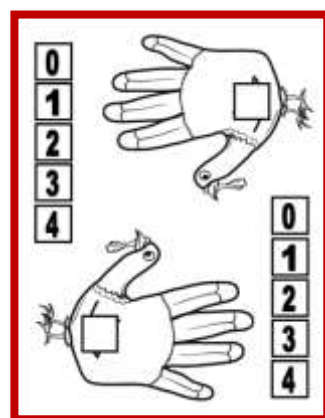


- 160 planting kits were provided for families to grow at home and continue hands-on activities at home during COVID-19.
- 544 children were reached through programming Grow It, Like It, Try It!
- 57 childcare providers attended at least 1 session of Healthy Kids, Healthy Future series.
- 5 videos prerecorded for future viewing about nutrition/physical activity for families and their children 0-5 years of age (e.g., Spinach Planting, Sweet Potatoes, Peaches, Squash, Etc.)- 273 total views of the prerecorded videos.
- 2 infographics created to distribute with specific age appropriate nutrition/physical activities - 1,324 individuals viewed, and 30 individuals liked, shared, or commented on infographics.
- 1400+ parent tip flyers distributed, educating parents/caregivers about ways they can do with their children to assist in achieving nutrition/physical activity (e.g., Parent Tips for Early Childhood MyPlate, Squash Recipe, Spinach Recipe, Sweet Potato Recipe, Peach Recipe, Etc.).

Child Care Health Consultation (CCHC), Gila Region

In 2020 this program provided the following to 6 Gila child care sites:

- 96 total interactions with sites.
- 3 sites received handwashing training in person prior to COVID-19 teaching 4 staff and 30+ 3-5 year olds proper hand washing procedures.
- 4 sites visited in-person to drop off essential PPE and other supplies (masks, gloves, bleach, thermometers, wipes, etc.) for COVID-19 prevention so that they may remain open;
- Assisted sites with technical assistance around creating and maintaining COVID-19 policies and procedures.



Family and Community Engagement

Developmental, Sensory and Screening (DSS, Gila Region)

- Increase number of children 0-5 years old screened by at least 300 children in First Things First Gila Region for vision and hearing, as well as 100 children for developmental.
- Identify children who need referrals, make appropriate referrals when needed and primary care givers will take their children to their medical home when screening indicates it is appropriate.
- Work towards improving access to early intervention for vision, hearing, and developmental health issues for young children.
- Renew First Things First (FTF) annual grant: \$43,750.

Developmental, Sensory and Screening (DSS; San Carlos Apache Region)

- Increase number of children 0-5 years old screened by at least 250 children in First Things First San Carlos Apache Region for vision and hearing, as well as 100 children for developmental.
- Participate in at least 20 community educational programs on San Carlos Apache tribal lands to share the importance of early screening and detection.
- Identify children who need referrals, make appropriate referrals when needed and primary care givers will take their children to their medical home when screening indicates it is appropriate.
- Renew First Things First (FTF) annual grant: \$116,000.

Positive Discipline (Parenting) Program

- Increase the number of parents or caregivers in Gila County receiving parenting focused education by 25 through improving communication and understanding.
- Increase parent and caregiver knowledge and skills to more effectively deal with their child's behavior; 75% of participants will demonstrate understanding of statements regarding skill and knowledge.
- At least twenty-five (25%) of the participants will demonstrate the use of positive discipline techniques when compared to harsh or corporal punishment; demonstrate an increase of 25% of the numbers of behaviors parents view as strengths.
- Applied for CYFAR Federal funding; currently funded under Marley Foundation.

Financial Literacy Program

- Increase the number of adults by at least 45 in Gila County who attend and receive financial literacy programming.
- **Change 75% of respondent's minds about how they think about money.**
- Increase adult knowledge and skills to more effectively in dealing with their finances, at least 50% of participants will demonstrate understanding of at least one financial literacy concept regarding skill and knowledge.
- Awarded 2 year Parenting and Financial Literacy Marley Foundation funding, annually: \$200,000.

Children, Youth and Families At Risk (CYFAR) Early Literacy Program San Carlos



- Focus on transition to in-person and hybrid implementation.
- Use majority of first year as planning year and creating Advisory Board.
- Create one-page home activities and drop in lessons.
- Total grant funds for 5 years \$640,000.

Health, Wellness and Healthy Living

Oral Health

- Increase number of children 0-5 years old screened for oral health and provide fluoride varnish in at least 200 children, 0-5 years old.
- Educate at least 200 children on the importance of dental health as well as provide health promotion, screening, referral and navigation for 20 expectant mothers in Gila County.
- Renew First Things First (FTF) annual grant \$36,000.

Child Care Health Consultant (CCHC)

- Increase the number of visits focused on improving quality of child care particularly surrounding health and wellness of both providers and those for whom they care (10 minimal visits in 2021).
- Make changes in child care settings to improve health, wellness and safety of care, changes in provider knowledge and skills, will maintain, work towards, or receive higher than 3 star rating from Quality First in all 6 early child care sites in Gila Region.
- Continue to oversee and supervise CCHC staff in 3 Counties: Gila, Yuma, and Pinal (Including Gila River Tribal lands).
- Renew First Things First (FTF) annual grant: \$179,200.



Nutrition, Obesity and Physical Activity (NOPA) San Carlos Apache, in partnership with FRTEP Agent, Juan Arias.

- Expand number of participants receiving nutrition education—deliver nutrition programming series about healthy eating and physical activity to, (at least); 50 parents, 300 children, and train at least 30 Child Care Professionals about incorporating healthy /nutrition standards into their classroom (family style meals, daily physical activities, reducing juice consumption, sun safety, etc.
- Maintain at least 10 active gardens for community participation in growing native plants/produce.
- Renew First Thing First (FTF) grant: \$100,000.

Ag Daze

- Deliver programming in collaboration with A. Hall and R. Carstens.
- FCHS lesson, “Agriculture and Our Health” will be delivered to at least 300 children throughout Gila County.
- Seventy five percent of participating youth will increase their knowledge and understanding of natural resources by 40%.

Lastly, all of the above work plan is a team effort. Without the hard work of the Gila County FCHS staff (currently: Thuy Bishop, Chrisann Dawson, Ben Downer, Cate Gore, Melody Thomas, Christine Carlson, Shelby Gibson, Sandra Lozano, and others), Renee Gila CED, fellow Agents in Gila, and UACE administrative staff, their impacts possible would be nominal when compared to what we are able to achieve together for the children, youth and families of Gila County!!!

Service / Publications

- Lead statewide Financial Literacy Workgroup (11 AZ counties represented and 4 tribal nations).
- Serve as member or co-chair on 4 additional statewide working groups (e.g. positive parenting, healthy relationships, etc.).
- Serve as national Co-Editor for NEAFCS Journal.
- Serve as President for our state association & member resources committee member at national association.
- Continue to attend community based meetings, networks, collaboration, etc.
- Work with state and national colleagues to write, present, and publish on a variety of topics (8-12 throughout the year).

San Carlos Tribal Extension Programs - *Juan Arias*

San Carlos Federally Recognized Tribal Extension Programs Partnership & Funding

Nutrition, Obesity and Physical Activity (NOPA; San Carlos)

In collaboration with FCSH agent Dixon Child Focus programming was delivered in San Carlos Apache Region. Teri James Instructional Specialist delivered several food tasting, literacy and nutritional activities.

- 15 gardens were planted and maintained during this reporting period before restrictions.
- 160 planting kits (Spinach and Squash) provided for families to grow at home and continue hands-on activities at home during COVID-19.
- 544 children were reached through programming Grow It, Like It, Try It!
- 218 unduplicated children reached through programming Grow It, Try It, Like It!
- 57 providers were reached through programming Training Grow It, Try It, Like It!
- 400 food boxes to families with children that included early childhood resources and program promotion in collaboration with tribal entities.
- 2 infographics with planting video distributed to the community and children participant it the program.

University of Arizona Cooperative Extension Sustainable Community Project to Promote Early Language and Literacy Development in Native Communities

- Working with Extension Specialist and Assistant Professor Dr. Speirs & FCHS Agent Dixon to develop and provide literacy program in the San Carlos Apache Region program GOWA Teachable Moments for Apache Children.

Nalwoodi Denzhone Community-Tribal Community Facilities Technical Assistant grant

- Goal of the proposed program is to aid Native American communities in developing and maintaining strong and sustainable economies through strategic planning, implementation, and investments in community facilities, infrastructure, partnerships, and innovation.



MT Turnbull Academy Garden started by Principal & Students.

NAAF Native American Agriculture Fund Program Adult Livestock and Food preservation program

- FRTEP a supplies to hold pilot meetings and trainings. SCRUB kits, for livestock community. FRTEP agent will increase the number of outreach conferences and field day events for Tribal based agriculture and natural resource-based groups. Cattle ranchers have shown interest in record keeping, equine health and wellness, equine care, training and handling, cattle-vaccinations, breeding options, herd health issues, reproduction, sales options, nutrition and health

NAAF Native American Agriculture Fund Program Non– Profit

- Partnership with non– profit to promote facilities expansion to help youth programs in partnership with FRTEP program.
- Program help expand garden activities and increase seed preservation and educational sessions of native crops.



San Carlos Tribal Extension Programs - *Juan Arias*

San Carlos Federally Recognized Tribal Extension Programs Agriculture, Natural Resources & Youth Development (FRTEP)

Program delivery and operations of program under FRTEP funding and resources provided to San Carlos Apache Tribe in 2020.

- 15 youth development sessions on horticulture/ garden topics offered throughout the San Carlos Apache region.
- 8 virtual youth development sessions held on horticulture/ garden topics.
- 2 videos prerecorded for future viewing about Ag at home/4-H activities for families and youth; Planting pumpkins at home, DIY Watering Can, 2 Shooting Sports video edited for shooting sports.
- One STEM Robotics virtual camp activity provided for youth in the community.
- One AZ 4-H State Shoot event coordinated & collaborated with other 4-H agents.
- 4 infographics created/distribute specific to planting, nutrition MyPlate, Apache traditional planting.
- 90 flyers distributed, about plant needs, MyPlate, seed saving, harvesting, winter/summer crops for gardening.
- 100 bags were distributed promoting Extension resources and reaching youth families with kits that included seeds, soil, pots, and instruction on how to plant.
- 9 webinars on Financial Health for Tribal Producers based on financial integrity, business operation, and resources to **improve the producer's business.**
- 9 webinar videos posted on Tribal Extension website for future viewing along with resources tool.
- 2 Virtual Beef Quality Assurance workshops trainings offered.
- 100 Biosecurity posters distributed in Apache/English collaborative effort with Equine Specialist.
- 5 presentations delivered via zoom and in-person for plant needs, composting, pest management, seed saving, proper planting techniques, harvesting, and irrigation.
- 1 promotional video exploring programs offered presented in Ext Conference.



Outcomes

- 66 unduplicated youth reached through programming Junior Master Gardner and 4-H.
- 14 leaders/educators reached during the delivery of Junior Master Gardner & youth development.
- 65 Ranchers/Farmers reached during webinars and workshops offered in the area of livestock/equine/financial literacy and or record keeping.
- 10 pounds of sugar cane seeds harvested, 7 pounds of tepary beans harvested, 1 pound of Apache giant seeds harvested for seed bank and community seed distribution.
- Three 20x 20 gardens were planted and maintained during program implementation demonstration & education youth development.
- One quarter acre area garden planted and maintained for education and training.
- 2500 lbs. of produce harvested from quarter-acre garden started and maintained in partnership with NDC non-profit.
- One 20x 20 garden area planted and maintained for soil preservation, experimental learning of local crops.
- 41, 000 lbs. Food distributed for COVID Relief also including hygiene items, kids educational books, toys, Extension resources, and pet food to families in need. Partnership with NDC non-profit.

Agriculture Natural Resources (FRTEP)

- Continue to Develop Apache Rancher Guide resource book to support cattle association and community.
- Identify locations /collaborators/ Veterinarian to assist in training rancher/members in areas of vaccines, record keeping, beef quality assurance, biosecurity, branding, marketing, tagging Cattle/Equine topics.
- Implement Informed Equestrian Resources with Equine Specialist to support and educate the community.
- Work with local partners to expand Food Hub operations/facilities improvement to support local gardens and small stock operation.
- Work with local partners to continue to distribute local native seeds and increase native planting activities in the community.
- Continue to work with Forestry to reintroduce traditional gardens and resource in the community.
- Continue to establish relationships/partnerships to promote Extension programs in San Carlos.
- Continue to implement/deliver programming under Native American Agriculture fund support FRTEP programs supporting livestock programming and food preservation.
- Work with partners to obtain more funding on a Facilities grant and Rural Business grant to provide programs in San Carlos.
- Work Tribal community to help deliver relief packages and continue to provide resources to support the community.



Juan Arias holding sugar cane

Youth Development and Family programs (FRTEP)

- Continue youth practicum/land daze to promote agriculture and natural resources careers.
- Continue to promote, outreach, and expand 4H/youth development programs in San Carlos.
- Continue Junior Master Gardener activities with partners and promote youth development.
- Continue Grow It, Try It, Like gardening activities with early childhood care centers First Things First.
- Partner with veterinarians to promote 4-H vet projects for career introduction.
- Assist in the development of GOWA Teachable Moments for Apache Children program by Children, Youth and Families At Risk (CYFAR) an Early literacy program.

Service

- Participate in Cattle Associations/NRCS board meetings/Non-Profit partners local community meetings.
- Participate in Integrated Resource Management Planning Team for project development.
- Participate in Health collaborative meetings and committees to promote Tribal Extension.
- Shooting Sports Committee service for shooting sports.
- Continue to work agents in diverse area of topics to improve the delivery of Tribal Extension Programs in San Carlos.



Apache Giant squash

4-H Youth Development Programs—*Renee Carstens*

The University of Arizona Cooperative Extension 4-H Youth Development inspires the next generation of leaders, inventors, entrepreneurs, and problem solvers, transforming the ordinary into the extraordinary. Volunteers are the HEART of the 4-H program. 4-H Youth Development volunteers and Cooperative Extension staff are partners, working with youth to create safe spaces and caring relationships.

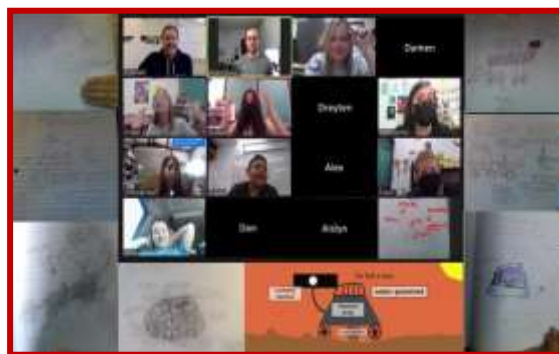
Gila County 4-H projects allow a young person to explore their interests and turn them into mastery. We focus on four pillars: Science, Technology, Engineering, Mathematics (STEM); Agriculture; Civic Engagement, and Healthy Living. 4-H members can work on many different projects. Gila County 4-H offers many different projects and works hard to reach youth through club membership, special interest activities, in class lesson, and community engagement.

This past year was challenging as programming shifted from in person to virtual, yet we persevered and offered opportunities for youth to engage in youth development activities with health and safety for our community as a priority.

Gila County 4-H Programs

The 4-H team made up of Renee Carstens (Assistant Agent), Jon Hatch (Program Coordinator, Sr.), Ben Downer (Program Coordinator), Taylor Barnes and Tucker Guillian (AmeriCorps Members) provided the following opportunities for youth and families in 2020.

- Gila County 4-H Enrolled Members – 204 youth and 29 adult volunteers.
- Ag Daze is an agriculture exploration program offered to 4th and 5th graders throughout Gila County. Seven hands-on lessons are taught in the classroom prior to a fieldtrip to the H-4 Ranch in Tonto Basin to experience a day in the life of ranching. Activities include banding, planting, wagon rides, mining, roping, and much more. 461 students and 20 teachers received classroom lessons prior to COVID-19 restrictions preventing the fieldtrip at the ranch.



- The Healthy Living (Choose Health: Food, Fun and Fitness) lessons were completed by 78 students and 7 adults and in Globe and San Carlos. The goal of this program is to educate families about the value of good nutrition and increased physical activity to improve health and quality of life.
- Miami Unified School District and Payson Community Kids established a partnership with the 4-H UACE team to offer afterschool and in classroom mentor and learning opportunities. The “Exploring 4-H” program is intended to assist youth with finding their “spark”, which will motivate and engage learning to achieve mastery. Lessons will cover agriculture, career exploration, STEM, healthy living, and civic engagement.

4-H Youth Development Programs Continued...

Arizona 4-H Programs

- AZ 4-H Summit was delivered virtually in 2020. AZ 4-H Summit is a youth conference focused on academic experience, career exploration, and community engagement.
- STEM Youniversity offers learning opportunities in the areas of Science, Technology, Engineering, and Math (STEM). It is a career area that holds great demand and promise for our youth in Arizona and across the country.
- The Arizona 4-H State Dog Show was hosted in Pima county Feb. 8, 2020. Gila County 4-H members were among the 31 youth who participated. Youth demonstrated their skills and mastery of lessons learned in 4-H dog projects across the state.
- National 4-H Conference provides a unique opportunity for selected 4-H delegates to increase their knowledge, resources, and skills while they discuss topics affecting youth and 4-H programming nationwide. Delegates are empowered to create positive social change in their communities as well as practice and apply their skills through involvement in round table groups, which prepare and present a briefing to federal officials around the Washington, D.C. area.
- Presenter at Southern Arizona Equine Health Symposium January 2020. Offered a hands-on learning workshop to share equine learning opportunities to engage youth and adults.

Membership and Service

- Member of AAE4-HA (Arizona Association of Extension 4-H Agents) – President Elect 2020-2021.
- Member of NAE4-HYDP (National Association of Extension 4-H Youth Development Professionals).
- Advisor to Gila County Fair Livestock Committee.



Gila 4-H Facebook sites:

Southern Gila County 4-H

<https://www.facebook.com/GilaCounty4H/>

Northern Gila County 4-H Community Club

<https://www.facebook.com/Northern-Gila-County-4-H-Community-Club-225417271356536/>

Central Gila County 4-H

<https://www.facebook.com/Central-Gila-County-4H-Community-Club-271221323767577>

Gila County 4-H Youth Development

1. Coordinate Agriculture Days Awareness Program. Teach Introduction to Arizona Agriculture to Gila County Schools. *Date: Fall 2021 through April 2022*
2. Expand Healthy Living Program throughout Gila County to increase youth participation by 10%. *Date: May 2022*
3. Trainer for YOQA. Offer courses throughout Gila County. *Date: July 1, 2021*
4. Staff AZ Summit and Youniversity. Expanding 4-H STEM opportunities and career exploration to middle school and high school youth. *Date: June, 2021*
5. Advisor to Gila County Fair Livestock Committee. *Date: September 2021*
6. Collaborate ANLS (Arizona National Livestock Show) staff to offer Skill-a-thon competition. Compile materials, design assessment for each category, assisted with set up, scoring and organization for livestock knowledge-based competition. *Date: December 2021*
7. Co-PI for Arizona 4-H Mentoring Program (4-H NMP10) Office of Juvenile Justice and Delinquency Prevention// National 4-H Council. **"Exploring 4-H"** mentor program *Date: April 2022*
8. Create opportunities for inclusion to serve harder to reach youth. *Date: October 2021*
9. Increase 4-H youth membership and adult volunteer (project leaders) by 10%. *Date: October 2021*
10. Compile records of Gila County 4-H inventory. *Date: October 2021*
11. Explore partnerships to increase meeting locations for 4-H and other UACE programming. *Date: December 2021*

State Level Youth Development

1. Coordinator 4-H State Dog Event. *Date: October 2021*
2. Assist with JOLT Youth Leadership Camp *Date: July 2021*
3. National 4-H Conference Planning Committee. Create annual plan for youth participation, help with delegate selection committee and chaperone Arizona delegates on trip to Washington D.C. *Date: April 2022*

Service

1. President Elect AAE4-HA (Arizona Association of Extension 4-H Agents)
2. Member NAE4-HYDP (National Association of Extension 4-H Youth Development Professionals)



4-H'ers cleaning up in Washington DC at the Smithsonian Mall just before Covid.



2019 Grants and Donations Awarded or Continuing

Funder	Amount	Purpose
Tractor Supply Company	927	Southern & Northern Gila County Clover Campaign
Valley of the Sun Freeport United Way	25,341	Southern Gila County 4-H
United Fund of Globe-Miami	12,000	Southern Gila County 4-H
National Mentor Program (NMP10)	57,633	Explore 4-H mentor opportunities to support academic success and youth development
National Mentor Program (NMP11)	43,150	Explore 4-H mentor opportunities to support academic success and youth development
Memorial Living Trust	55,000	Gila County 4-H
ESIP Expanding 4-H STEM Opportunities & Career Exploration	135,000	Introducing 4-H members to marketable skills such as coding, design, programming, teamwork and innovation
Wal-Mart Healthy Living Grant	2,300	Supplies for classroom lessons. Fresh produce for healthy snacks.
Tonto Natural Resource Conservation District	30,000	Reading the Range Technical Assistance
United States Forest Service	30,000	Reading the Range Technical Assistance
United States Department of Agriculture National Institute of Food and Agriculture	48,000	Developing opportunities and growing businesses of limited-resource & Native American Beginning Farmers & Ranchers in Arizona
Bureau of Indian Affairs	\$9,999	Risk Management Education for AZ's Livestock, Dairy, Forage, and Tree Nut Producers
USDA Agricultural Marketing Service Federal-State Marketing Improvement Program	98,301	Identification of Opportunities and Barriers for Arizona to Supply Wood Fiber to South Korean Renewable Energy Markets
Bureau of Reclamation/Water Resources Research Center	29,243	Building Water Scenarios to Support Community Planning in Rural Arizona Through Collaborative Stakeholder Engagement Process Design
Eastern Arizona College	\$1,273	Teaching Master Gardening classes in Payson
United States Dept. of Agriculture New Mexico State University	22,208	Climate Change: Climate Masters Outreach and Extension Agency
		Continued on next page.....

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Funder	Amount	Purpose
First Things First (FTF) Quality First Statewide Strategy	13,400	Child Care Health Consultant (3 AZ Counties involved; these funds are specific to Gila County)
First Things First (FTF) Gila Region	43,750	Early Developmental and Sensory Screening
First Thing Firs (FTF) Gila Region	36,000	Oral Health
University of Arizona, Extension Strategic, Investment Program (ESIP)	44,415	Building Bridges Gila County
University of Arizona, Extension Strategic, Investment Program (ESIP)	13,655	Improving Parents' Ability to Understand and Manage Child Behavior (6 AZ Counties involved; these funds are specific to Gila County)
University of Arizona, Extension Strategic, Investment Program (ESIP)	22,924	Helping AZ Families Through Financial Literacy Education (4 AZ Counties involved; these funds are specific to Gila County)
First Things First (FTF) San Carlos Apache Region	116,000	Early Developmental and Sensory Screening
Marley Foundation Funds	36,275	Addressing the Stressors of Parenthood: Child Discipline and Family Finances (7 AZ Counties involved; these funds are specific to Gila County)
First Things First (FTF) San Carlos Apache Region	100,000	San Carlos Nutrition, Obesity, & Physical Activity (NOPA)
United States Department of Agriculture (USDA) Children, Youth and Families at Risk (CYFAR)	46,448	University of Arizona Cooperative Extension Sustainable Community Project to Promote Early Language and Literacy Development in Native Communities (San Carlos Apache Tribe and Navajo Nation)
United States Dept. of Agriculture (USDA)	87,327	Federally Recognized Tribal Extension Programs (FRTEP)
University of Arizona, FCHS Enhancement / Work Group Funding	3,280	UACE Statewide Financial Literacy Work Group (Gila FCHS Agent leads this statewide group)
University of Arizona, Extension Strategic, Investment Program (ESIP)	23,224	Connecting intergenerational Families...Early Literacy Knowledge (San Carlos Apache Lands
University of Arizona, Extension Strategic, Investment Program (ESIP)	22,178	Partnership with Tribal for San Carlos Range, Livestock, Nutrition, Horticulture and Stem
University of Arizona, Extension Strategic, Investment Program (ESIP)	15,418	Workshops, equipment for San Carlos Ranchers / Farmers
Total	\$1,224,669	

These values do not represent office space and utilities provided by Gila County and the San Carlos Apache Tribe.

¹ State funds from state appropriations to University of Arizona College of Agriculture.

² Federal funds from US Department of Agriculture for Cooperative Extension programs.

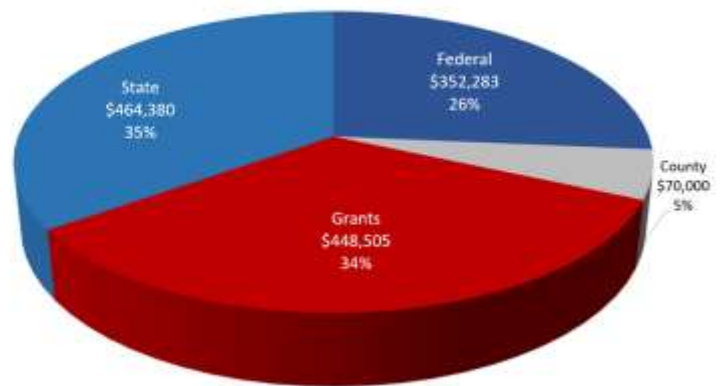
³ Grants are listed on the proceeding pages.

³ USDA funds provided specifically to support Extension Agent for the San Carlos Apache Reservation.

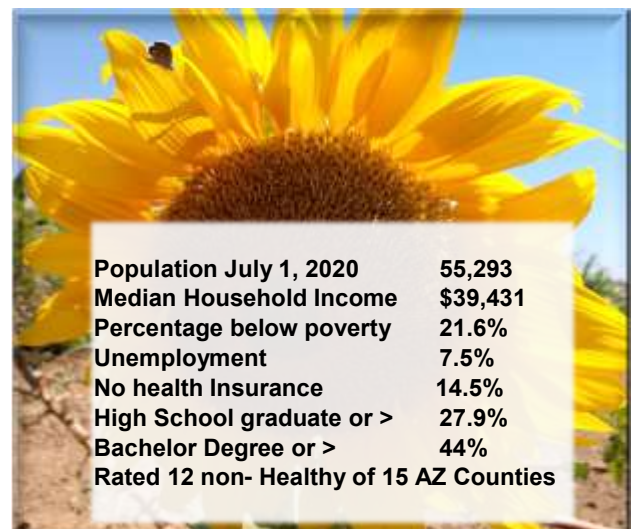
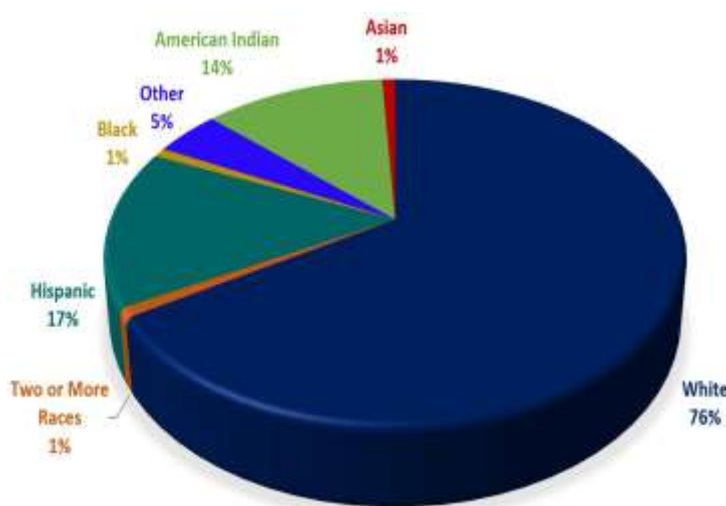
Donations and Grants Percentages, Demographics

- The Federal dollars received are devoted completely to faculty salaries.
- The State dollars also pay salaries, but a portion also supports some travel and operations expenses.
- The Gila County portion of the financial partnership supports mainly the in-county travel expenses of Extension faculty and staff and some staff salaries.
- The Grant dollars, comprising the second largest component of Gila County Cooperative Extension's total budget, is made possible because of the continuing support of the permanent funding agencies.

Donations and Grants



This partnership has supported the efforts of faculty to request and receive well over \$400,000 in outside funds, most of which pay the salaries of local people (13.18 FTE) and support local businesses in Gila County. With other grant opportunities pending, it may well be that this figure will continue to climb. The travel and operations dollars provided by Gila County are absolutely essential to the overall success of Cooperative Extension, including its delivery of programs throughout the County and the leveraging of funding from multiple sources. The Gila County Cooperative Extension faculty and staff are grateful to the Board of Supervisors and to the people of Gila County for their continuing support.





Terry Wheeler

October 28, 1935—March 25, 2020

Tommie Martin

January 11, 1951 - December 10, 2020



TERENCE WHEELER, former mayor of Globe, and a leader in the AZ cattle industry for more than half a century graduated from the University of AZ, received his Bachelors in animal science and range/watershed management in 1958. He worked with the BIA at San Carlos and later was the University of AZ Cooperative Extension agent for the San Carlos tribe and Gila County. He worked as a consultant in range management and reclamation for ranchers, tribes, mining companies and other landholders throughout AZ and the Southwest. Terry never lost his love for Cooperative Extension.

TOMMIE MARTIN, District one Supervisor of Gila County, is a third-generation Gila County native. She was born and raised in Payson and Star Valley. Growing up as a girl on a ranch gave her a foundation of values and morals, and a lifelong love for the forest, mountains and desert of Gila County. She made a career of protecting it, with relentless efforts focused on forest health, regional water problems and infrastructure for residents.

"I'm impatient to get these things done," Martin often said, loving the action. Tommie was a big supporter of Cooperative Extension and all it's programs. (Pictured with her is husband, Ron)

Thank you for your service to Gil a County & Extension! We wil l miss you!



Extension Staff Meetings were Zoomed during Covid-19



Rick Gibson Retires after 39 years
Thank you for your Leadership!



Gila County Fair was
virtual reality only
and
State Fair canceled due
to Covid—19



Issued in furtherance of Cooperative Extension work, acts of May 8 and June 30, 1914 in cooperation with the U.S. Department of Agriculture, Jeffrey Silvertooth, Director Cooperative Extension, College of Agriculture & Life Sciences, The University of Arizona. The University of Arizona is an equal opportunity, affirmative action institution. The University does not discriminate on the basis of race, color, religion, sex, national origin, age, disability, veteran status, or sexual orientation in its programs and activities.