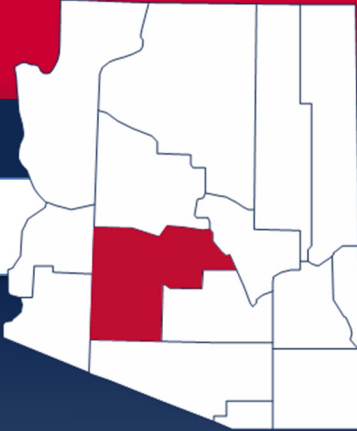




THE UNIVERSITY OF ARIZONA

Cooperative Extension

Maricopa County



## Maricopa County Report 2020



THE UNIVERSITY  
OF ARIZONA

## From the Director

**M**aricopa County Cooperative Extension (MCCE) has concluded another successful year, albeit a unique and very challenging year. The impacts of the pandemic on our programming cannot be overstated. Extension programming has traditionally been an in-person modality. However, with social distancing and workplace restrictions, everyone had to pivot and move to online meetings and virtual programming. Our Master Gardener program did an excellent job of changing mid-stream and offering the program entirely online. Yes, there were many challenges along the way, some of which we are still grappling with, but overall, it was a remarkable redefining of program delivery. Our Field Crops/IPM program also went virtual with synchronous presentations throughout the year. Field days where growers would visit the field became online presentations with staff taking cameras into the field to show growers various aspects of agricultural research. Our Pesticide Education Safety Program (PSEP) also went to an online delivery mode and continued to offer Continuing Education Credits and helped prepare professionals for state-mandated pesticide applicator certification exams. The 4-H program continued to provide virtual programming for our youth. Even our 2020 Achievement night was done online. I wish to thank all the parents and 4-H families, and volunteers who worked with us to support our youth and our 4-H program. The Family Resource Center went online as well, offering activities and having reading time for their clientele. They also worked hard in distributing much-needed food for families in need and even helped sponsor a holiday gift collection and giveaway! The Ag. Literacy and STEM Education program had a virtual Summer Ag. Institute, streaming live video from farms and ranches across the state. Our Turfgrass Science program helped support those who were challenged by the heat of the 2020 summer. Working with golf course superintendents and those who manage the numerous sports complexes in the valley, our Turf Extension program conducted research on alternative water-saving plant materials when turfgrass is removed and critical weed control research. The nutrition program also had its share of challenges as much of that programming is done through schools, many of which were in virtual mode during most of 2020. However, they still reached out and connected with schools virtually. Project CENTRL graduated their 27<sup>th</sup> class and began class 28 amidst the pandemic. Although several workshops were conducted virtually, class members are still engaged and learning valuable leadership skills. And finally, our water programs, Smartscape and AZ Project WET, had to pivot 180° and go from in-person classes to virtual. Both did an outstanding job of continuing their programs and ensuring that research-based information on water management and education was available. I am proud of how the MCCE faculty and staff took on the pandemic's challenges and continued working with our clientele in Maricopa County. The year 2020 will be remembered for many things. Still, I will remember it as the year our office showed commitment, dedication, and perseverance in the pursuit of delivering research-based, quality educational programs to improve the lives of the youth and adults in Maricopa County.



A handwritten signature in blue ink, reading "E.C. Martin".

Edward C. Martin, PhD  
County Extension Director

Professor/Extension Specialist  
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## AT A GLANCE



**Over 2,400 volunteers gave more than 28,000 hours of their time, equaling more than \$768,000 in donated time.**



**Over 12,600 adults and 12,400 youth participated in Extension activities.**



**<https://www.facebook.com/MaricopaCountyCooperativeExtension>**

**<http://extension.arizona.edu/maricopa>**



## Field Crops and Integrated Pest Management

Our Field Crops and Integrated Pest Management (IPM) Program continues to serve the diverse agricultural system we have in Maricopa County and the state of Arizona. 2020 was an unprecedented year, with the challenges of the COVID-19 pandemic, switching Program deliveries to virtual formats, and all the precautionary measures to conduct our research and Extension activities in safe and effective ways. However, adaptation and success in delivering our educational activities and conducting our research were phenomenal. The Program delivered even more educational training to our clientele than any other year. Attendance of the Program increased significantly in terms of numbers and areas of the state and the nation we reached. We conducted a record number of field and lab trials. Our collaborators from the community, growers, and agriculture professionals showed tremendous support, reflecting the value they see in this Program. With continued emphasis on reducing the environmental footprint for our agricultural production, our Field Crops IPM program helps bring new selective chemistries and biological control approaches and new nutrient recommendations that optimize crop yields and protects the environment, animals, and humans. One of the major issues the program addresses is the management of alfalfa and forage crops. Alfalfa hay dominates Arizona's cropping system, with ~300,000 acres of alfalfa and other forage crops farmed each year. With some of the highest yields per acre nationwide and an annual crop valued at ~\$500 million, forage crops contribute significantly to dairies and other livestock enterprises. The Maricopa County Cooperative Extension Field Crops/IPM Program is leading national grant-funded projects to study better practices to manage aphids and weevils in alfalfa, pests that can significantly decrease crop yield when not appropriately controlled.



Our Field Crops/IPM program aims to:

- *Reduce pesticide residues in the environment and improve yield, quality, and economic returns for growers operating private and tribal farms in the region.*
- *Develop more sustainable and environment-friendly options for pest and agronomic management for the region, resulting in higher yields, healthier plants, fewer pest outbreaks, and fewer pesticide resistances.*

### 2020 - By the Numbers

- **Over 6,000 growers and agricultural professionals attended Field Crop Extension events in-state and neighboring regions, which provided more than 120 Continuing Education Units.**
- **The Program secured and received grants, contracts, and gift funding during the pandemic with a total of approximately \$200,000 in 2020.**

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## 4-H Youth Development

During 2020, 4-H programming was either virtual or limited in the number of people who could gather in one place. The 4-H team kept youth engaged and supported adult volunteers by using online learning and virtual workshops and trainings. Through virtual engagement, the 4-H staff produced a virtual 4-H Achievement Night to award and recognized youth who continued to work and complete their 4-H projects. This annual

Achievement Night also recognizes the countless hours and support our caring adult volunteers engage in with families and communities year after year. Despite the pandemic, we had over 130 caring adult volunteers, and over 600 youth enrolled in 4-H. Our Teen Outreach Program (TOP), a grant-funded program, faced similar problems to 4-H programs due to the pandemic. We started the year working with four sites but were unable to complete them. We worked very closely with our sponsor, seeking alternative activities for the year. One of the projects was translating The TOP Wyman curricula; we helped lead the project between our sponsor and other agencies.



Another project we focused on was developing the virtual presentations for the TOP curricula. This was an opportunity for staff to collaborate and expand on the delivery of programs in the future. We continued seeking new partners to work with for future programming.

Youth in 4-H programs:

- *Are four times more likely to contribute to their communities.*
- *Two times more likely to make healthier lifestyle choices.*

### 2020 - By the Numbers

- **Over 130 Adults served as volunteers for our 4-H Youth Programs.**
- **We had over 600 4-H youth enrolled.**

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## Nutrition and Physical Activity

Current research shows that the key to lifelong health starts with making positive changes in improving diet and increasing physical activity—small changes in these two areas lead to large rewards. Living healthy is not always easy, and it takes learning and practicing new positive behaviors in a person's lifestyle to make them into lifelong habits. Our two long-standing nutrition programs, **SNAP-Ed** (Supplemental Nutrition Assistance Program-



Education) and **EFNEP** (Expanded Food and Nutrition Education Program) reach into local communities and make contacts with youth, adults, and seniors. **EFNEP** is active in five counties within the University of Arizona Cooperative Extension system. In Maricopa County, four part-time staff teach direct nutrition and physical activity education to adults in limited income areas. **SNAP-Ed**, as part of the University of Arizona, supported by the *AZ Health Zone* (under the umbrella of the Arizona Department of Health Services), is an active partnership of over 10 Cooperative Extension offices and county health departments across the state. SNAP-Ed works to improve nutrition, feeding practices, and reducing hunger, as well as increasing physical activity and decreasing sedentary behaviors.

Maricopa County SNAP-Ed faculty (1) and staff (16 with seven more to hire in this new grant year) coordinate efforts throughout Maricopa County, engaging schools and communities in learning healthy habits through Policy, Systems, and Environmental change approaches. This reaches realms of Active Living, Childhood Health, Direct Education, and Food Systems (e.g., community and school gardens and farmers markets), with keeping three main values and principles at the forefront, including Health Equity, Trauma Aware approaches, and Community Engagement. Our newest addition in nutrition and healthy lifestyle programming in Maricopa County is the Diabetes Prevention Program (**DPP**) which started in Fall 2018. This is a year-long CDC program that teaches those diagnosed with *pre-diabetes* to focus on losing at least 5% of their body weight and exercising 150 minutes per week to decrease the risk of type 2 diabetes in the future.



### 2020 - By the Numbers

- Over 8,000 adults and over 11,000 youth participated in SNAP-Ed and EFNEP programs with over 400 partners and collaborators across the county.
- Nearly 800 volunteers donated over 4,200 hours of their time, valued at an estimated \$130,000.
- \$1.9 million in grants were obtained for the SNAP-Ed and EFNEP programs for Maricopa County.

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## Turfgrass Science

Despite the COVID-19 chaos and a very droughty 2020, turfgrasses along with weeds and insect pests still flourished and required management on essential golf courses, sports fields, parks, and landscapes. Weeds that were not previously identified as problems cropped up and prompted investigations to determine new control strategies, including evaluating herbicide options. Stinknet with its bright yellow flowers proliferated throughout the desert and in landscapes after winter rains in 2019-20. Turf managers, municipalities, and homeowners sought safe and effective means of keeping the weed from becoming a problem in 2021. To that end, several preemergence herbicides were applied in late fall 2020 in anticipation of winter rains to activate them. Unfortunately, the drought continued, and the herbicides could not be evaluated because no weeds emerged with no winter rains. More experimental results against stinknet and other turfgrass weeds can be viewed at <https://turf.arizona.edu>. Speaking of the drought, turf areas targeted for removal can install alternative planting materials that could use less water with fewer maintenance inputs. Kurapia is a drought and cold tolerant new groundcover that has the potential to fit in desert landscapes (photo). For replacing turfgrasses, native grasses can be seeded and ultimately use less water and fertilizers and require less mowing. Outreach education was all virtual and provided clientele opportunities to obtain continuing education to maintain professional licensing requirements.



Our Turfgrass Science Extension program:

- *Improves turfgrass management strategies and practices for schools, cities, and professional turf facilities by conducting research and introducing innovative technologies to optimize water use and manage pests and weeds.*
- *Provides educational opportunities for turf managers to learn how to decrease or improve inputs and improve turf quality with techniques that conserve water resources, implement integrated pest management, and reduce their environmental footprint.*

### 2020 - By the Numbers

- **Raised funds to support a graduate student studying the use of molecular techniques to identify a troublesome key insect of turfgrasses.**
- **Identified alternative native grasses and Kurapia.**

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## Early Childhood Development

The University of Arizona-Roosevelt Early Childhood Family Resource Center is located at Martin Luther King Jr. School in South Phoenix. This program promotes family resilience and engages families with children from birth to age 5. This award-winning family support program features parenting education, child development classes, the Ready! For Kindergarten parent program, community resource and referral services, educational workshops, Play and Learn parent-child interaction, group support, and family engagement. Educational programs teach, train, model, and promote positive experiences that help children reach their fullest potential and become ready for school and life. Since March 2020, the Center adapted to no-contact services due to the Coronavirus Pandemic (COVID-19). The family resource center continues to respond to incoming phone calls, texts, and emails, providing the latest information about resources for unemployment assistance, food pantries, utility assistance, and many others. Educational videos created by staff are available from the Center's Facebook page. They are offered in English, Spanish and Arabic. Selected programs such as Ready! For Kindergarten are available for participation virtually. All programs and activities are free of charge and supported by funding from First Things First.



Research shows that programs such as this:

- *Strengthen families through increasing resilience factors and decreasing risk factors.*
- *Increase literacy levels, which prepares for success in reading by the end of third grade.*
- *Help children achieve developmental milestones preventing the need for special education and developmental services.*
- *Increase positive parent and child interactions, which develops social and emotional skills.*
- *Increase school readiness, which promotes and improves family engagement.*

### 2020- By the Numbers

- **304 adults and 62 children participated in adult-child interaction sessions held in-person.**
- **407 families received referrals to assistance with needed resources and services such as unemployment, food, housing, and utilities. Sixty-six percent (66%) reported they received the service.**
- **Over 6,700 children and adults viewed one of our Storytime videos from beginning to end. More than 15,000 individuals viewed a family resource center-produced STEAM video from beginning to end.**

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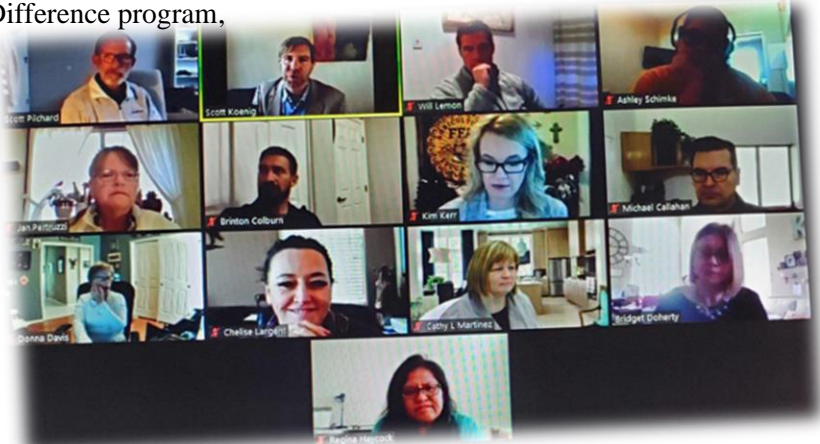
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## Project CENTRL

2020 was a year of some positive and some challenging changes for Project CENTRL. Formed in 1983 as a public and private partnership with UA Cooperative Extension, the organization reclaimed its original name: Arizona Center for Rural Leadership, and refreshed its logo for the first time! The new name and logo will serve as the umbrella for the three dynamic programs: First, the flagship program, Project CENTRL, is a twelve-month experiential-learning leadership development program. Second is Alumni in Action, our network of over 650 alumni working at the grassroots, local, county, state, and national levels to improve the quality of life in rural Arizona. Finally, through our Make a Difference program, we identify needs, gather teams, and influence change. In the COVID-19 world of 2020, the Center focused on delivering relevant and useful programming to its constituents regardless of the method. Over 30 applicants were interviewed for the 16 spots in Class 29, which has received the curriculum online via Zoom. The Alumni in Action held virtual county meetings to engage alumni and recruit new participants in all 15 Arizona counties.



CENTRL helps leaders:

- *Build skills in public speaking, effective interviews, advocacy, having difficult conversations, managing productive meetings, and participating in the local, state, and federal legislative processes.*
- *Learn about issues in rural Arizona, including water management, healthy forests, international trade, immigration, education, healthcare, and corrections.*

### 2020 - By the Numbers

- **Seven – (7) alumni elected to Arizona’s 55<sup>th</sup> Legislature, including Tim Dunn, Class 12 and Sine Kerr, Class 22 representing portions of Maricopa County.**
- **Zero (\$0.00) - The financial cost of the program to participants thanks to support from foundations, industry partners, friends and alumni who support the program.**
- **Fifteenth of March – 3/15 every year is the application deadline for the next class. Interviews are in April, notifications sent in May and seminars are from June – June each year.**

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## Horticulture

The Master Gardener (MG) Program within the Urban Horticulture Program of Maricopa County Cooperative Extension includes more than 380 Certified Master Gardener volunteers. The Master Gardener Program teaches efficient and productive garden practices specific to the Sonoran Desert with emphasis on the latest research-based science provided by the University of Arizona. Public education areas include proper plant selection, placement, care and watering, plant problem diagnostics, and the identification and control of weeds and pests. Both the training of Master Gardeners and their public outreach evolved into new modes of online delivery in 2020. This included launching new program initiatives such as online Ask A Master Gardener outreach and Master Gardener created "Garden Moments" videos. The Master Gardener Program is active and vibrant, seeing a growth in Training Course enrollment with the launch of online training. Volunteers participated in more than 3700 continuing education hours to build horticultural knowledge to pass along to the public. The Urban Horticulture Program also supports the horticulture industry in Maricopa County through plant problem diagnosis and research-based outreach to nurseries, landscape companies, and arborists.



### Our Horticulture and Master Gardener Programs:

- *Educate the residents of Maricopa County to more efficient and effective gardening practices in the Sonoran Desert.*
- *Create a network of trained volunteers to answer garden and landscape questions from residents of Maricopa County.*
- *Promote and create a community of Demonstration, Community, and School gardens.*
- *Diagnose plant problems and address issues of emerging pests and weeds.*

### 2020- By the Numbers

- **Over 2,300 plant and landscape questions/calls were answered by the Master Gardener Help Desk.**
- **Over 3863 people had direct contact with our Horticulture and Master Gardener Programs.**
- **Over 380 active volunteers registered over 9468 volunteer hours estimated to be worth \$257,529.**

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## Urban Water Resources

Smartscape served a wide range of individuals associated with the landscape industry across Maricopa County in 2020. The program promotes science-based best practices for designing, installing, and caring for water-efficient landscapes in our desert environment. The program offers classes in essential irrigation education (Smartscape 101) and an Advance Irrigation class. Last year, a Spanish 101 class was added. The Smartscape program strives to provide students with the essential skills to plan, create, and care for water-efficient landscapes. The program holds a recognized and prominent place within the green industry in the greater Phoenix metropolitan area.

Due to COVID-19 shelter at home orders, Arizona Project WET's (APW) direct student programs were cut short for this school year. Despite that, APW was able to change the delivery of its programs to a virtual format immediately. Through its virtual workshops and multi-day academies for teachers, APW enabled 197 educators to deepen their knowledge of Arizona's water resources and share it with 23,752 students. The Water Festival Program held five in-person festivals serving 4,042 students, 156 teachers, and 281 parents with the assistance of 211 volunteers. The 800 students in the Water Scene Investigation (WSI) program made a tangible contribution to their communities and are now saving an estimated 769,968 gallons of water annually. Over 1,200 students in the Rainwater Harvesting program got their hands dirty and a little wet by learning how to create passive rainwater basins at their homes and schools. This video is an example of the virtual education that was delivered to students across the valley and the state! <https://bit.ly/2ZRymuB>



These programs help:

- *Thousands of students understand the complexity of water in our natural environment and how human use impacts this precious resource.*
- *Train landscape professionals proper techniques to conserve water while working with attractive and sensible landscapes for the Sonoran Desert.*

### 2020 - By the Numbers

- **Water Scene Investigation (WSI) program made a tangible contribution to their communities and are now saving an estimated 769,968 gallons of water annually.**
- **Over 90 landscape professionals from across Maricopa County attended Smartscape, Spanish Smartscape, and Advanced Smartscape: *Irrigation* training courses, learning techniques of wise water use in appropriate landscaping for our low desert environment.**

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## Pesticide Safety Education

The Pesticide Safety Education Program (PSEP) is a statewide program designed to provide pesticide safety information and resources for people working in agricultural and structural pest control settings. PSEP staff offers programs in English and Spanish to better serve the linguistic needs of its clientele and coordinates outreach efforts with colleagues involved in state, county, and tribal pesticide programs.

Working in partnership with the Arizona Department of Agriculture, this program also strives to ensure certified applicators receive training and tools to help them work safely and effectively with restricted-use pesticides.

In March 2020, PSEP transitioned from in-person to online training, which enabled staff to continue to meet its pre-pandemic objective of providing pesticide safety workshops in English and Spanish throughout the state.

The Pesticide Safety Education program helps to:

- *Provide employers, pest control professionals, and community members with information and to protect themselves, other people, and the environment when working directly with pesticides or in areas where pesticides have been applied.*
- *Prepare individuals for state-mandated pesticide applicator certification exams through training, resource development, and the coordination of exam events.*
- *Keep clientele up to date with current pesticide-related regulations, issues, and solutions so they can make informed decisions when using pest control products.*

### 2020 - By the Numbers

- **1,017 certified pesticide applicators, 44 pesticide handlers, and 140 educators received information about pesticide regulations, application technologies, general pesticide safety measures, emerging pesticide-related concerns, and compliance issues during 11 pesticide safety sessions and events.**
- **243 pest control professionals attended Pesticide Applicator Pre-Certification Training Courses presented through 2 in-person and 6 virtual courses.**
- **2,623 certified applicators, pest control advisors, growers, pesticide safety trainers, tribal partners, and agricultural education teachers received bi-monthly updates about pesticide courses and resources through the PSEP listserv.**

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## Agricultural Literacy & STEM Education

The Agricultural Literacy & STEM (Science, Technology, Engineering, Mathematics) Education program provides educators and students with agricultural encounters to learn all about the STEM behind food and fiber production. Lessons and 3-dimensional learning activities that are aligned to the Arizona Academic Standards are shared through professional development workshops and class presentations. Typically each June, the Summer Agricultural Institute (SAI) takes approximately 30 teachers from across the state on a five-day tour to visit research facilities and see the day-to-day undertakings of a variety of ag operations, all while earning 48 professional development hours. The goal is to immerse teachers so that they can become agriculturally literate and can communicate the importance of ag to their students through hands-on experiences and to provide scientifically accurate information about agriculture. However, 2020 was anything but typical – right? Therefore, we offered the SAI – Virtual Academy to over 200 teachers. The positive feedback encouraged more virtual tours and presentations resulting in 1,800 Arizona students traveling virtually between Oregon and Arizona to learn how citrus and Christmas trees are grown. The Agricultural Literacy & STEM Education program provides two additional programs for educators – the School Garden Online Safety Program and Ag Literacy Days.



The Ag. Literacy and STEM Education program helps to:

- *Provide K-12 educators with professional development opportunities to improve students' knowledge about agriculture, which ensures an agriculturally literate society and communicates the source and value of agriculture as it affects our quality of life.*
- *Connect STEM with agricultural concepts that teachers can share with students.*
- *Educate consumers about our Arizona agriculture industry and agriculture's impact on their life.*

### 2020- By the Numbers

- **Over 200 teachers from 14 different counties that attended the Summer Agricultural Institute (SAI) – Virtual Academy are reaching approximately 28,000 students across Arizona and now have access to lessons and curriculum aligned to state standards that engage students and increase agricultural literacy.**
- **During Arizona Ag Literacy Days, over 1,200 students learned about Arizona agriculture.**

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## Maricopa County Cooperative Extension

**Our Mission:** To engage with people through applied research and education to improve lives, families, communities, the environment, and economies in Arizona and beyond.

**Our Vision:** To be a vital national leader in creating and applying knowledge to help people build thriving, sustainable lives, communities, and economies.

As the University of Arizona in Maricopa County:

- We empower people to expand their capabilities to improve their lives
- We are a well-known, effective, and accessible educational resource for all communities
- We are a trusted partner in communities for leadership education
- We develop capable leaders in all communities
- We are recognized experts for developing and disseminating research-based information

## Our 2021 Advisory Board

**Cheryl Goar Koury** - Executive Director, Arizona Nursery Association (District 1)

**Jon Wootten** – Chairman, Roots N Boots Queen Creek Pro Rodeo Committee; President, Friends of Horseshoe Park; (District 1)

**Sam Draper, Vice-Chair** – Program Manager, AZ Municipal Water Users Association (District 2)

**John Augustine** - Owner/Operator Desert Tree Nursery (District 3)

**Tracy Johnson, Chair** - Mill Manager, Lakin Cattle Company (District 4)

**Tamara Ridge** - Office Manager, Paul Rovey Dairy (District 4)

**Kevin Danzeisen** - General Manager, Danzeisen Dairy (District 5)

## Maricopa County Board of Supervisors – 2021

**Jack Sellers, Chairman** - District 1

**Steve Chucrí**– District 2

**Bill Gates** - District 3

**Clint Hickman**– District 4

**Steve Gallardo** - District 5





## Faculty and Staff - Maricopa County Cooperative Extension - 2021

Below is a listing of the faculty and staff at the Maricopa County Cooperative Extension. These women and men are the ones who deliver the programs to the residents of Maricopa County. Their hard work and dedication have made positive differences in people's lives, communities, the environment, and the economy in Maricopa County.

**KEY:** **ANR** – Agriculture and Natural Resources; **DPP** – Diabetes Prevention Program; **EFNEP** – Expanded Food and Nutrition Education Program; **FCHS** – Family, Consumer and Health Sciences; **FRC** – Family Resource Center; **IPM** – Integrated Pest Management; **SNAP-Ed** – Supplemental Nutrition Assistance Program-Education; **TOP** – Teen Outreach Program; **WET** – Water Education for Teachers; **YD** – Youth Development; **CENTRL** – Center for Rural Leadership.

## Faculty and Staff 2021

### Our Faculty

**Edward C. Martin**, Director, Professor & ANR Extension Specialist  
**Traci Armstrong Florian**, Agent: FCHS, EFNEP, SNAP-Ed, DPP  
**Michael Chamberland**, Agent: ANR/Urban Horticulture  
**Scott Koenig**, Executive Director: Project CENTRL  
**Patty Merk**, Area Agent/Reg. Specialist: FCHS/Family & Youth  
**Ayman Mostafa**, Area Agent/Reg. Specialist: ANR/Field Crops, IPM  
**Rebecca Senior**, Assist. in Extension: ANR/Urban Horticulture  
**Kai Umeda**, Area Agent: ANR/Turfgrass  
**Gigette Webb**, Agent: ANR/Ag. Literacy and STEM Education  
**Jennifer Weber**, Assist. in Extension: Pesticide Safety Education



### Our Staff

**Hadeel Aborached**, Program Aide, FRC  
**Mary Ahern**, Instructional Specialist, Sr., SNAP-Ed  
**Danelle Acker**, Program Coordinator, SNAP-Ed  
**Barbara Ashford**, Administrative Assistant, SNAP-Ed  
**Paula Barr Skillicorn**, Program Coordinator, SNAP-Ed  
**Worku Burayu**, Research Specialist, Field Crops/Turfgrass  
**Anne Cimarelli-Steers**, Health Educator, Sr., SNAP-Ed  
**Mary Conner**, Program Coordinator, Sr.  
**Juliet Eirikis**, Program Coordinator, SNAP-Ed  
**Angel Escalante**, General Maintenance Mechanic  
**Tamara Floyd**, Program Coordinator, Sr., FRC  
**Marina Gallardo**, Program Coordinator, SNAP-Ed  
**Jose Gamiz**, Instructional Specialist, Sr., EFNEP  
**Esther Geel**, Program Coordinator, 4-HYD  
**Gloria Gomez Torres**, Program Aide, FRC



## Faculty and Staff - Maricopa County Cooperative Extension - 2021

**Eunice Gonzales**, Manager, Finance and Administration.  
**Hannah Hanson**, Program Coordinator, 4-HYD  
**Kyle Harrington**, Assistant in Extension, Field Crops/IPM  
**Julie Hasty**, Instructional Specialist Senior, AZ Project WET  
**Khandle Hedrick**, Instructional Specialist, EFNEP  
**Brittany Hobe**, Associate, Accountant, SNAP-Ed  
**Patty Howard**, Admin. Secretary  
**Amber Hughes**, Program Coordinator, AZ Project WET  
**Sandra Hurlbut**, Program Coordinator, AZ Project WET  
**Lori Jarvis**, Admin. Secretary/Receptionist  
**Pamela Justice**, Program Coordinator, Sr. AZ Project WET  
**Niki Key**, Administrative Associate, Project CENTRL  
**Kirti Mathura**, Program Coordinator, Sr., Smartscape  
**Jenna Mennetti**, Program Aide, 4-HYD  
**Samantha Montoya**, Research Tech I, ANR  
**Cathy Munger**, Systems Administrator, Principal  
**Gina Nieves**, Program Director, FRC  
**Delmi Ortega**, Program Coordinator, Sr., EFNEP/SNAP-Ed  
**Haydee Pardee**, TOP Program Coordinator, 4-HYD  
**Vanessa Parra**, Accounting Associate  
**Sandra Perez**, TOP Program Coordinator, 4-HYD  
**Berenice Quiroga**, Instructional Specialist, Sr., SNAP-Ed  
**Beth Reidhead**, Program Coordinator, Master Gardener Program  
**Norma Rodriguez**, Instructional Specialist, Sr., SNAP-Ed  
**Janel Rogers**, Instructional Specialist, EFNEP  
**Liliana Ruiz Fischer**, Program Coordinator, SNAP-Ed  
**Noelle Schlader**, Urban Horticulture  
**Cné Serranno**, Graphic Artist, SNAP-Ed  
**Dotty Spears**, Program Coordinator, Sr., SNAP-Ed  
**Mary Ann Stoll**, Program Coordinator, Sr., AZ Project WET  
**Betty Thompson**, Health Educator, Sr., SNAP-Ed  
**Tracey Wasson**, Administrative Assistant, Project CENTRL  
**Jeanette Weivoda**, Instructional Specialist, EFNEP  
**Caroline Werkhoven**, Program Coordinator, 4-HYD  
**Christina Vega Zubiate**, Program Coordinator, SNAP-Ed

### AmeriCorps

**Rachael King**, AZ Project WET  
**Tim Lonchar**, 4-HYD  
**Robert Stoll**, AZ Project WET  
**Vanessa Villalobos**, AZ Project WET  
**Ken Yee**, 4-HYD



## Maricopa County Cooperative Extension

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