Mineral County
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2016 Accomplishment Report

Staci Emm, Extension Educator
Phone: (775) 945-3444
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Organizational Chart

Dr. Bill Payne, Dean University of Nevada Cooperative Extension/College of Agriculture

Mark Walker, Interim Director, University of Nevada Cooperative Extension

Frank Flavin, Northern Area Director University of Nevada Cooperative Extension

Staci Emm, Professor and Extension Educator University of Nevada Cooperative Extension

Patricia Click
Project Administrator
- Accounts payable
- Grant Administration Support
100% Grant Funded 15 hours/week

Jessica Anderson (Hired April 2016)
Program Officer
- Grant Administrative Support
- Program Evaluation
- Beginning Farmer Rancher/Risk management ag education
- Veggies for Kids
100% Grant Funded 40 hours/week

Jennifer Kintz
Community-based Instructor
- Conference Planning
- American Indian Land/ Water
- Program Support Agriculture programming
Resigned employment June 2016

Schyler Hagen
Community-based Instructor III
- Veggies for Kids
- Mineral County 4-H
- Veggies for Seniors
- Youth Prevention Education
70% Grant and 30% County Funded 40 hours/week

Catrinna Berginnis (Hired June 2016)
Community based Instructor II
- Beginning Farmer Rancher Program organizer
- 4-H youth development
- Data management
100% Grant Funded 40 hours/week

Rick Lattin
Ray Johnson
Beginning Farmer Rancher Project Mentors
100% grant funded 10-15 hours a week

Vicki Hebb
American Indian Land, Water and Ag Finance Program
100% grant funded 24 hours a week

Judy Halterman
Community-based Instructor
Veggies for Kids Lyon County
100% grant funded 24 hours a week
Moved employment to Lyon County July 1, 2016

Erika Zundel
Temporary Hire Veggies for Kids - Owyhee
100% grant funded 24 hours a week

Ron Oden
Illustration Media Specialist
- Works on all grant projects as needed
100% grant funded 40 hours a week

Jessie Harris
Community Based Instructor II
- Veggies for Kids – Natchez and Dayton
100% grant funded 40 hours a week

Mission
To discover, develop, disseminate, preserve and use knowledge to strengthen the social, economic and environmental well-being of people.
Staff & Responsibilities

Staci Emm, Mineral County Extension Educator
Extension Educators teach students about solutions to identified needs, coordinate education and outreach programs, produce scholarly materials (journal articles, fact sheets, curriculums), and manage community-based offices in the College of Cooperative Extension. Staci Emm has been the Extension Educator in Mineral County over twelve years and is the principal link between the University, the residents of Mineral County and members of the Walker River Paiute Tribe. She has a primary assignment that integrates teaching and administration (70%), research (25%) and service (5%) within the formal mission of Cooperative Extension. Emm’s office is located in the Mineral County Extension office.

Schyler Hagen, Community-based Instructor III (40 hours/week)
Schyler Hagen was hired and began employment in December 2015. This is a UNR state classified grant-funded position. This position is 30% county funded for Mineral County 4-H activities. The other 70% of the position is funded by the Veggies for Kids and Healthy Communities Drug Prevention grant programs. This position is responsible for the Veggies for Kids program in Hawthorne and Schurz, and drug prevention programming with intermediate school students at Hawthorne Junior High. There are also 2 different community events including Harvest Festival and Earth Day. At different times of the year, this position also assists with program specific statewide agriculture programs.

Patricia Click, Letter of Appointment (15-hours/week)
Patricia Click, Accounts payable and Grant Management Assistant, is located in the Mineral County Extension office. This is a UNR temporary administrative faculty position at 15 hours a week. Click handles the coordination of all county and grant account payable items for the Mineral County Cooperative Extension Office. In addition, Click coordinates the reporting requirements for the Nevada Risk Management grant program assists with the Veggies for Seniors program and coordinates online reporting of the Nevada Beginning Farmer and Rancher program.

Jessica Anderson, Program Officer I (24-40 hours/week)
This position was reorganized and Jessica Anderson was hired in April 2016 as a Program Officer I. This is a UNR state classified grant-funded position. This position includes teaching in statewide agricultural programs (specifically in agriculture financial management to high school students), program evaluation and curriculum development. Anderson works out of her home on a ranch in Yerington.

Jennifer Kintz, Community-based Instructor III (40 hours/week)
Jennifer Kintz, Community-based Instructor/Community-based Instructor III, was located in the Mineral County Extension office. This was a UNR state classified grant funded position at 40 hours a week. She accepted a full-time classified position in July 2015 and resigned in June 2016. Kintz handles all statewide registrations for the UNCE Herds & Harvest program working with various colleges and faculty across the University of Nevada, Reno campus. She was responsible for maintaining budgets for program hosting and participant supported activities, supports all program evaluation components, and assists with final reporting. This workload was reorganized into Catrinna Berginnis’s position.
Catrinna Berginnis, Community-based Instructor II (40 hours/week)

Catrinna Berginnis, Community-based Instructor II, is located in the Mineral County Extension office. She moved from a temporary hire to full-time employment in June 2016. This is a UNR state classified grant-funded position. She handles all data management including the Mineral County Needs Assessment, and handles all statewide registrations for the UNCE Herds & Harvest program, working with various colleges and faculty across the University of Nevada, Reno campus. She was responsible for maintaining budgets for program hosting and participant supported activities, supports all program evaluation components, and assists with final reporting. There is also a small effort in this position for the Mineral County 4-H position.

Judy Halterman, Community-based Instructor III (40 hours/week)

Judy Halterman, Community-based Instructor III, is located in the Lyon County Extension office. This is a UNR state classified grant-funded position. Halterman is responsible for the coordination and implementation of the Veggies for Kids program at Yerington Elementary School and at Smith Valley Elementary School. This includes maintaining a relationship with Lyon County School District, in-classroom instruction, and hoop house construction and maintenance. Halterman also works in the Nevada Risk Management Education project for the yearly Cattlemen’s Update and other duties as needed. This is a state classified grant funded position at 40 hours a week and supervision of this position was transferred to the Lyon County Extension Educator Joy Newton July 1, 2017.

Jessie Harris, Community-based Instructor II (19-40 hours/week)

Jessie Harris, UNR Student Hire, is located in the Washoe County Extension office. Harris was a senior at UNR majoring in nutrition, was a student worker in the Veggies for Kids program, and accepted full-time employment in December 2016. This is a UNR state classified grant-funded position. This position is located in the Washoe County Extension Office. This position is responsible for the coordination and implementation of the Veggies for Kids program at Natchez Elementary School on the Pyramid Lake Reservation, and Dayton Elementary Schools.

Erika Zundel, Temporary Hire (19 hours a week)

Erika Zundel, temporary hire, located in Owyhee, Nevada on the Duck Valley Indian Reservation. This position office space is located at Owyhee Elementary School. This position is responsible for the coordination and implementation of the Veggies for Kids program at Owyhee Elementary School.

Rick Lattin and Ray Johnson

Rick Lattin, located on Lattin Farms in Fallon, and Ray Johnson, located at Custom Gardens in Silver Springs, are hired as mentors under the beginning farmer and rancher project or Herds & Harvest. They assist Lincoln County Extension Educator Holly Gatzke with the Great Ideas for Grower forums and assist beginning farmers and ranchers by request with specialty crop questions, issues or problems. This is a UNR temporary academic faculty grant funded position at 10-15 hours a week and they work out of their farms.

Vicki Hebb, Letter of Appointment

Vicki Hebb is located on the Cheyenne River Sioux reservation in South Dakota on a ranch where her family raises bucking horses, cattle, and hay. She is the conference and event organizer under the American Indian Outreach Project and the American Indian Climate
Resiliency program. She is responsible for organizing grant funded conferences and other event programs throughout Indian country in the West. Programming includes business management, financial management, and outreach programs involving Indian land and water. This is a UNR temporary academic faculty grant funded position at 24-40 hours a week.

**Ron Oden**
Ron Oden, illustration and media specialist, is a retired illustrative designer from the Gannett Corporation. He is located in Lake Tahoe and is responsible for all creative design in all grant programs. He is responsible for the production of all workshop brochures, advertisements, Extension publications, billboards, and other media relations and production. This is a UNR Administrative Faculty grant-funded position at 40 hours a week.

**Current Mineral County Programs**
The following programs are Mineral County based programs and involve Mineral County residents only.

**Mineral County 4-H**
The Mineral County 4-H program continued to reorganize again in 2016. Focus was placed on creating more clubs, getting more youth involved in 4-H Camp at Lake Tahoe, offering specific 4-H programs for youth, and building 4-H STEM (Science, Technology, Engineering and Math) activities. There are 45 unduplicated youth registered in Mineral County 4-H clubs. The Clubs and leaders are below for 2016/2017:
- Archery/Shooting Sports (Pending availability of state training)
- Ski Club, Ann Kee
- Lego Club, Tyler Nichols
- Community Leadership Club, Amber Coen
- Quilting/Sewing Club, Jeri Lynn Landi
- Clover Bud Craft Club, (Looking for leader)
- Walker Lake Crusaders Community Club, Toby Montoya
- Rabbit Club, Jane Foster

The Mineral County 4-H Leadership Council was established in the fall of 2013. This council oversees the Mineral County 4-H program, the 4-H program checking account at Financial Horizons Credit Union, and advises the 4-H program Community-based Instructor about all 4-H activities. The Council held its first fundraising dinner in March 2016. The Council meets once a quarter and is comprised of the following volunteers:
- Jeri Lynne Landi
- Linda Dow
- Kerry Laramandy
- Rob Mathias
- Tyler Viani
- To Be Determined
- To Be Determined

**Mineral County Master Gardeners/Mineral County Garden Club**
The program has not changed over the last year. Master Gardeners provide free, research-based horticulture information to Nevadans. They are volunteers who learn advanced plant science skills from at least 50 hours of classroom instruction by University of Nevada
Cooperative Extension (UNCE) professionals. After training, Master Gardeners volunteer a minimum of at least 50 hours a year to pass along their newly acquired knowledge through the media, home visits, community projects, talks and workshops. The Master Gardeners that took the original training now organize and participate in the Mineral County Garden Club. The Mineral County garden club does not report hours and picks their own activities. The 2015-2016 activities of the Garden Club included organizing and maintaining the downtown planters and memorial rose garden. The following residents participated in garden club in 2015-2016: Rene Billings, Stephanie Brown, Tami Bunch, Patti Click, Agnes Dockrey, Dorothy Fortenberry, Kendall Harris, Ruby Hume, Pam Jenson, Judy Joseph, Doug Kichenmaster, Jeri Lynne Lande, Ililda Lenston, Mary McKenna, Kelly McNeil, Nina McPherson, Juanita Nepper, Cindy Nixon, Barbara Owens, Jean Peterson, and Kellie Zuniga.

**Veggies for Kids**

The Veggies for Kids program objectives directly support healthy eating, as its intent is to promote increased intake of fruits and vegetables, whole grains, water and nutrient dense beverages; and increase appreciation and use of healthy traditional Native American and Hispanic foods, and an introduction to vegetable growing concepts and experiences. The program was successfully implemented in Mineral County (Hawthorne Elementary: 73 students; and Schurz Elementary: 32 students), Washoe County (Natchez Elementary: 62 students; and Robert Mitchell: 65 students), Lyon County (Yerington Elementary: 178 students and Smith Valley Elementary: 32 students), and Elko County (Owyhee Elementary: 120 students). There was a total of 562 students in 2016 with 1,151 additional contacts with parents, teachers and students. Summer institutes were held at all sites, incorporating the educational themes of Veggies for Kids. In addition, summer institutes taught children how to plant, grow, and care for their own home grown vegetables, with each child planting starter seeds and taking their plants home at the end of the week.

The Veggies for Kids program team worked together to create a kindergarten grade level Veggies for Kids curriculum and journal, which were sent out for peer-review in March of 2016. The peer reviews were received back to the authors in late fall of 2016. The team is making the peer review changes to get approval to send out to graphic design in early 2017.

The Veggies for Kids program objectives directly support healthy eating, as its intent is to promote increased intake of vegetables and fruits, whole grains, water and nutrient dense beverages. In addition, education focuses on an increased appreciation and use of healthy traditional Native American and Hispanic foods, and an introduction to vegetable growing concepts and experiences. This program is considered evidence-based and has several years of pre-test and post-test data. A research protocol was implemented in 2015-2016 on the Kindergarten curriculum and results will be available and published in 2017.

The evaluation design for Veggies for Kids was a pre-test/post-test method. Evaluation metrics conform to a standardized state format. The pre-testing was conducted the week prior to providing the Veggies for Kids classroom instruction at all school sites. Post-testing was conducted following completion of the 10-12-week lesson series. Measurable increases were seen in the recognition and taste of vegetables presented in the program. Table 1 lists evaluation measures for the program for 2013-2016. The table performance measures were reported in the 2017 application for funding. The 2016 evaluation measures are for a total of 511 students attending Hawthorne Elementary School (88 students), Schurz Elementary School on the Walker River Reservation (33 students), Yerington Elementary School (178 students), Smith Valley Elementary School (32 students), Natchez Elementary School on
Pyramid Lake Reservation (57 students), and Owyhee Elementary School on the Duck Valley Reservation (123 students). For 2016, fifty-three percent of students were male and 47% were female. There were 18% of students that were Hispanic, 37% American Indian, 41% White, 3% Black and 1% Asian. The top physical activity for 2016 in pre-test and post-test was running followed by playing outside.

**Table 1. Performance and Evaluation Percentage Measures for Mineral County Veggies for Kids**

<table>
<thead>
<tr>
<th>Performance and Evaluation Measures (Goals after Programming)</th>
<th>2013</th>
<th>2014</th>
<th>2015</th>
<th>2016</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Pre-test</td>
<td>Post-test</td>
<td>Pre-test</td>
<td>Post-test</td>
</tr>
<tr>
<td>My Plate Picture Goal: 75% of students will recognize</td>
<td>.23</td>
<td>.89</td>
<td>.89</td>
<td>1.00</td>
</tr>
<tr>
<td>Correctly name five food groups Goal: 75% of students</td>
<td>.36</td>
<td>.30</td>
<td>.30</td>
<td>.85</td>
</tr>
<tr>
<td>Correctly name six different fruits/vegetables Goal: 75% of students</td>
<td>.30</td>
<td>.56</td>
<td>.56</td>
<td>.74</td>
</tr>
<tr>
<td>Willingness to sample and how much did you like fruit/vegetable Goal: 80% of students</td>
<td>.73</td>
<td>.17</td>
<td>.17</td>
<td>.81</td>
</tr>
<tr>
<td>Water: I drank water 16 times or more yesterday.</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
</tr>
<tr>
<td>Physical Activity: Exercised 46 minutes or more yesterday Do you Know what exercise is</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
</tr>
</tbody>
</table>

NA = Evaluation data was not available.
*2014 data is for all school sites in Lyon County, Washoe County and Elko County.

There was an increase in knowledge (pre-tests 52.9% and post-tests 91.9%) in students recognizing the MyPlate picture. Significant difference at a (p<.05) levels between student pre-test and post-test was seen in naming broccoli, kiwi, snap peas, bell pepper and spinach leaves. The exercise reported afterschool in pre-tests and post-tests was playing outside followed by running. The exercise reported after dinner was playing outside. Table 2 provides the individual pre-test and post-test percentage by fruit and vegetable. There was an increase in knowledge of all six fruit and vegetables. The largest increases in knowledge were found in snap peas, kiwi, bell pepper and spinach leaves.

**Table 2. Performance measures by fruit/vegetable by Pre-test and Post-test.**

<table>
<thead>
<tr>
<th>What is the name of this fruit/vegetable?</th>
<th>Pre-test</th>
<th>Post-test</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>2016</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fruit/VEGETABLE</td>
<td>VIF</td>
<td>VIF</td>
</tr>
<tr>
<td>----------------</td>
<td>-----</td>
<td>-----</td>
</tr>
<tr>
<td>strawberries</td>
<td>.91</td>
<td>.96</td>
</tr>
<tr>
<td>broccoli</td>
<td>.83</td>
<td>.92</td>
</tr>
<tr>
<td>kiwi*</td>
<td>.24</td>
<td>.44</td>
</tr>
<tr>
<td>snap peas</td>
<td>.26</td>
<td>.53</td>
</tr>
<tr>
<td>bell pepper</td>
<td>.34</td>
<td>.61</td>
</tr>
<tr>
<td>spinach leaves</td>
<td>.18</td>
<td>.42</td>
</tr>
</tbody>
</table>

*kiwi data from owyhee elementary was counted in this data set. kiwi was not available to the instructor as the tribal store did not have access to the fruit.

**Veggies for Seniors**

Participation was increased in 2016 for the *Veggies for Seniors* program. There were 95 bags of fruits and vegetables that were available to seniors with disabilities for 13 weeks beginning on June 15, 2016. Ninety-five percent of the vegetables and fruits were grown in Mineral County. The program continued to cover Schurz, Walker Lake, Hawthorne and Mina, and seniors with mobility issues or on disability get first priority. This was a 100% funded Mineral County program in 2016. The Hawthorne Senior Center delivered to Mina and Luning, Mt. Grant Home Health delivered in Hawthorne, and The Federally Recognized Tribes Extension Program (FRTEP) delivered in Schurz.

In 2014, participants rated as the most important parts of the program improved access to fresh fruits and vegetables (96%); provision of educational materials, recipes, and articles (92%); and interactions with Cooperative Extension staff (81%). Ninety-two percent reported that they participate in the program because it improves their health and 65% reported that as a result of the program, they had decreased their health care costs. Seventy-three percent stated the program improved their quality of life and 46% reported that the program assisted them with their disabilities. An evaluation will be completed in 2017 to measure the impact of the program.

**Teen Prevention - Project Toward No Drugs**

This eight-week program reached 40 intermediate students in 2016 and dealt with the causes of smoking and its affects in the SAMSA Approved "Project Towards No Drugs" curriculum. This program provides a wide range of detailed information about the distinction between adult and adolescent substance abuse, and the health and social consequences of drug abuse for youth. In addition, the program focuses on trying to stop or reduce the use of cigarettes, alcohol, marijuana, hard drugs, and stopping or reducing weapon carrying. Accurate information about environmental, social, physiological and emotional consequences of drug use and abuse are discussed and a personal commitment about whether or not they desire to avoid drug abuse is requested. The grant was resubmitted through Mineral County and was awarded $11,000 for FY17 for a new program called “Michigan Model for Health.”

Mineral County Cooperative Extension maintains their certification as a drug and alcohol education provider with the State of Nevada Substance Abuse Prevention and Treatment Agency (SAPTA). This certification is tied to the drug and alcohol prevention classes to seventh graders at Hawthorne Intermediate School, the Harvest Festival, Earth Day, and funding for the Alcohol-free graduation party. This certification will carry over to the new grant period.
Community Development: Community Events for Earth Day and Harvest Festival
Mineral County Cooperative Extension hosted two different community events in 2016.

- Earth Day occurred in April 2016. This event is preceded with the UNCE Biathlon for youth and adults. Food was sponsored by SOC-Hawthorne. There were approximately 300 people throughout the day. Cooperative Extension provides overall organization, the music, and the bounce house.
- Extension staff also assists in organizing the community clean-up and taking addresses for public works and Hawthorne Utilities. In addition, staff takes calls from local residents needing assistance preparing for clean-up day.
- Harvest Festival is a Halloween event that occurred in October 2016 with 280 participants. Cooperative Extension works with local sponsors to coordinate a costume contest for 0-13 years olds. Local organizations and student clubs create different booth activities to create a Harvest Festival fair. Cooperative Extension provides overall organization, the music, and the bounce house.

Statewide Programs available to Mineral County residents
The following programs are statewide programs that Mineral County residents and Mineral County employees participate in.

Nevada Radon Education Program – Coordinated out of UNCE, Washoe County
The Nevada Radon Education Program is a partnership with the Nevada State Health Division to educate Nevadans about the possible health risk posed by elevated levels of radon in the home. University of Nevada Cooperative Extension (UNCE) offers literature, educational programs and radon test kits in UNCE, Mineral County office. February 2016 was radon month. Free radon kits were given away to 35 residents in 2016.

Grow Your Own, Nevada – Coordinated out of UNCE, Washoe County
Grow Your Own, Nevada is a statewide University of Nevada Cooperative Extension program designed to help people discover the secrets to gardening in our high-desert climate. The program was April – May and September – October 2016. Classes are held live in Reno in the spring and fall, and are provided by interactive video conference to Cooperative Extension offices across the state. There were 24 duplicated participants attending sessions at the Hawthorne Extension office in 2016.

Federally Recognized Tribes Extension Program (FRTEP) – Coordinated out of UNCE, Washoe County
The Federally Recognized Tribes Extension Program (FRTEP) is a federally-funded Extension program that works with 3 defined American Indian Tribes in Nevada, which are the Duck Valley Shoshone Paiute, Pyramid Lake Paiute and the Walker River Paiute. This program works in nutrition and health, agriculture and natural resource program areas. There is currently UNCE staff located on all three reservations. In addition, the program works with all tribes in Nevada in different issues that impact them around the state. Mineral County Cooperative Extension works with the FRTEP program in its American Indian Outreach Program and programming for the Walker River reservation.

Rural Water Supply Operators Certification Training/Testing – Coordinated out of College of Agriculture Biotechnology and Natural Resources and Hawthorne Utilities
The University of Nevada, Reno (UNR) has been involved in remote interactive video classes for rural drinking water supply operators and managers since 1998. The program provides
training free of charge to water system operators, managers, owners and board members across Nevada using the videoconferencing network provided by the Nevada System of Higher Education. Classes, approved by the Nevada Division of Environmental Protection’s Bureau of Safe Drinking Water, are designed to help operators become certified and retain certification. The classes are broadcasted throughout Nevada through interactive presentations. Operators attend classes to study and learn about many aspects of the drinking water industry and to receive continuing education credits. Operators at each participating site can ask instructors questions and can interact with operators at other sites. The classes involve instructors from federal, state, county and city government and a wide range of private sector presenters. Hawthorne Utilities attends and coordinates these trainings in the UNCE, Mineral County office to sustain certifications of employees.

Statewide Programs Coordinated out of Mineral County
The following programs are statewide programs that are coordinated by staff out of the UNCE, Mineral County office.

Herds & Harvest – Nevada Beginning Farmer and Rancher Project
Staci Emm assembled a team of faculty who applied for and received a standard Beginning Farmer and Rancher Development Project grant through the USDA National Institute of Food and Agriculture (NIFA) in August 2011. This project was renewed in 2014 with additional funding for the next three years. The long-term goal of this project is to create and enhance the sustainability of Nevada’s Beginning Farmers and Ranchers (BFRs) through education, mentoring, and outreach to own, operate, and sustain an agricultural operation. Six objectives are proposed to meet the long-term goal of the Nevada BFR Project. The project focuses on agricultural entrepreneurship; business and financial planning; agricultural production; environmental compliance; diversification and marketing strategies; and mentoring and outreach. The target audience for this proposed project includes all Nevada BFRs. The project specifically targets Hispanic, American Indian, women, and more than one race in Nevada, in addition to low-income individuals. These individuals qualify as socially disadvantaged and limited resource BFRs and comprise a significant portion of Nevada’s agricultural operators.

This program is branded as Herds & Harvest and coordinates statewide program activities from the Mineral County Cooperative Extension office. The program idea stemmed from the Mineral County Specialty Crop Demonstration project in which Mineral County Cooperative Extension provided educational support to Mineral County residents to start agricultural specialty crop businesses. This project employs a full-time program organizer, a part-time graphic design artist, and a part-time evaluation and grants management assistant.

The second year (of a three-year funding cycle) of the continuation of the Herds & Harvest (Nevada Beginning Farmer and Rancher Project) program increased BFR contacts by 200 participants and continued educational activities to those BFRs already in the program. Trainings focused on business management, viticulture, hops and goats. The Wolf Pack Meats program continued its Basics I and Basics II training courses adding additional curriculum in food safety, marketing, and business planning.

A total of 15 trainings (including satellite sites) reached 318 beginning farmers and ranchers. There was only one training, Business Strategies for Growing Small Scale that was held compressed video. All other workshops were in person training. There were 28 participants
in the Business Strategies for Growing Small-Scale; 17 participants in Wolf Pack Meats Basics I - Slaughter; 17 in Wolf Pack Meats Basics I Processing; 10 participants in Wolf Pack Meats Basics II; 69 participants in Hops: The Art of Fermentation; 33 participants in Small Scale Goat Production; 42 participants in Viticulture; 63 participants in Growing Grapes and Making Wine in Nevada; and 49 in Farming Principles for Growing Vegetables in Hoop Houses. At the end of Year two, the Herds and Harvest member database increased from 3,585 producers to 3,822 producers. The program currently has 2,873 mailing addresses, and 949 email addresses. In year two, there was an increase in participant contact information, which was in e-mail addresses obtained.

Mentoring activities continued in year 2 and were designed to encourage producers to create enterprise budgets for new businesses and/or the diversification of existing ones. There were 32 one-on-one sessions between a mentor and producer discussing an enterprise budget for a new agricultural business in the first year. The production mentoring was a “Growing Produce” seminar with Nevada Department of Agriculture with 75 producers, and production hoop house mentoring on Indian reservations with 75 producers.

A mentoring group was created under the Herds & Harvest program called “Great Ideas from Growers.” This grower discussion forum was created to provide producers from across the many remote locations in Nevada the opportunity to learn from each other’s’ niche crop experiences, good and bad. There were 182 producers served in Nevada through the mentoring program.

**Nevada Risk Management Education**

Nevada Risk Management Education teaches beginning, socially disadvantaged, and transitioning farmers and ranchers in Nevada about current federal crop/livestock and revenue insurance programs. This program utilizes risk management education tools to ensure the competitiveness of Nevada agricultural operations in future markets, and educates producers about crop/livestock insurance programs to help minimize agricultural risk. This program is coordinated out of the Mineral County Extension office and collaborates with eight University of Nevada, Reno faculty in overall program implementation. This program supports fifty percent of a program organizer position, a part-time graphic design artist, a part-time evaluation assistant, and a part-time grants management and reporting assistant.

The project was completed in September 2016 and a renewal application was funded for the next federal fiscal year. Principal Investigators Staci Emm, Dr. Holly Gatzke, Seth Urbanowitz/Juan Cervantes, and Carol Bishop are located in counties in Nevada working daily on-the-ground with agriculture producers. Dr. Thomas Harris is the director of the University of Nevada, Reno (UNR) Center for Economic Development. Frank Flavin is the director of the Nevada American Indian programs and supervises agents that live and work on the reservations. Dr. Douglas Boyle is the Nevada State Climatologist, works in the UNR Department of Geography, and is actively involved in the US Drought Monitor program.

Each workshop, depending on area and audience, combined insurance program information (including insurance scenarios) with production and marketing topics, and all business planning and marketing programs included the use of risk management insurance scenarios. Project programs included:

- Climate: How the vegetation index (PRF) and drought monitor work
- American Indian Crop/Livestock Insurance Program
• Organic and Whole Farm Revenue Protection insurance products, new agricultural laws, marketing/financial tools, and business taxes
• Cattlemen’s Update
• Risk Basics for High School Students
• Nevada Cattlemen’s Association Livestock Insurance Program
• USDA Program Update: Crop/Livestock Insurance Program
• Agricultural Market Update
• Estate Planning
• Urban Roots Organic/Whole Farm Revenue Protection Insurance Outreach program
• Mailing 2,110 producers and emailing 900 producers a postcard to link to the 2017 Crop and Livestock Insurance handbook focusing on prior knowledge of insurance program sales closing dates.
• Nevada Agricultural Foundation: Agriculture in the Classroom

This educational project consisted of 11 different programs, including 39 total workshops across Nevada reaching 4,240 producers. We anticipated duplications of producers within the different programs areas and topics. The evaluation design for Nevada Risk Management Education is a pre-test/post-test method. Each program evaluation is different and is based on workshop content and some collaborating workshops do not have evaluation data.

People of the Land
This outcome-based professional development program, called People of the Land, involves American Indian agricultural producers from start to finish in planning, design, implementation, and educational outreach to satisfy human food and fiber needs on American Indian reservation lands in the West. Need assessments (2005–2008) identified a significant knowledge gap for USDA professionals regarding the social, political, and economic environments unique to Indian reservations in the four-state region. The most recent needs assessment (2013-2014) that was conducted on the Hopi Reservation in Arizona indicated that tribal producers rated tribal officials’ leadership and organizational skills among the top barriers to sustainable agriculture. Hopi tribal members also identified water access, water quality, and lack of a reservation-wide plan for sustainable agriculture as significant barriers to USDA program implementation.

People of the Land was funded by Western Sustainable Agriculture Research and Extension (WSARE) to build the capacity of USDA professionals to work more effectively on American Indian lands. The People of the Land curriculum increases knowledge of USDA professionals concerning tribal governance, federal Indian policy, land tenure, water rights, and how to contract with tribal governments when implementing USDA programs. Hopi People of the Land was released in December 2014 and fifty percent of the program coordination occurs out of the Mineral County Extension office.

American Indian Outreach Program
American Indian farmers and ranchers contribute significantly to the economic base of rural reservations. USDA programs (i.e., NRCS, FSA, Rural Development and Extension) are designed to increase farm and ranch profitability. The program coordinated out of Mineral County Cooperative Extension involves faculty and staff with Cooperative Extension in Mineral County and University of Nevada, Reno, Utah State University, University of Arizona, and Oregon State University. The primary program goal is to provide education to American Indians living on reservations in order to increase the utility of USDA agricultural
assistance programs including estate and business planning, conservation and wildlife programs, USDA loan programs. This program was refunded for 2017.

In 2010, the USDA settled a decade-old class action suit alleging that the USDA discriminated against American Indians (Keepseagle vs. US). It was alleged that USDA employees did not process loans to American Indian farmers which negatively impacted farming operations through USDA program implementation. Distribution of funds from the $680 million settlement is in progress. An additional settlement of the Cobell v. Salazar case is also ongoing. This settlement includes a land consolidation program for American Indian tribes and offers monetary settlement for the mismanagement of individual Indians accounts held by the US Department of Interior. A team was created from western land grant universities to provide outreach in business development and planning, American Indian land and water issues, tax issues, and USDA program implementation within the confines of each settlement to provide assistance to individual American Indians and tribes. This program is pays for a 50% program assistant/organizer, a part-time conference planner, a part-time graphic design artist, and an evaluation assistant.
County Budget
The county budget for 2015-2016 was $21,447. Mineral County provides the building located at 205 South A Street, and the gas and electricity for the building.

<table>
<thead>
<tr>
<th>Line Items</th>
<th>FY12 Budget</th>
<th>FY13 Budget</th>
<th>FY14 Budget</th>
<th>FY15 Budget</th>
<th>FY16 Budget</th>
</tr>
</thead>
<tbody>
<tr>
<td>Salaries</td>
<td>11,560</td>
<td>11,560</td>
<td>13,571</td>
<td>12,603</td>
<td>13,148</td>
</tr>
<tr>
<td>Telephone</td>
<td>1,240</td>
<td>2,064</td>
<td>2,400</td>
<td>2,400</td>
<td>1,200</td>
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<tr>
<td>Travel</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Hosting Supplies</td>
<td>300</td>
<td>300</td>
<td>300</td>
<td>300</td>
<td>300</td>
</tr>
<tr>
<td>Equip. Service</td>
<td>600</td>
<td>600</td>
<td>600</td>
<td>3,360</td>
<td>1,800</td>
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<tr>
<td>Contracts</td>
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<td></td>
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</tr>
<tr>
<td>Capital Outlay</td>
<td></td>
<td></td>
<td></td>
<td>844</td>
<td>0</td>
</tr>
<tr>
<td>Services/Supplies</td>
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<td>1,200</td>
<td>1,200</td>
<td>1,440</td>
<td>2,240</td>
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<tr>
<td>Fingerprint Expense</td>
<td>100</td>
<td>500</td>
<td>500</td>
<td>500</td>
<td>500</td>
</tr>
<tr>
<td>Veggies for Seniors</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>1,260</td>
</tr>
<tr>
<td>Total Budget Amount</td>
<td>15,000</td>
<td>16,224</td>
<td>18,571</td>
<td>21,447</td>
<td>$20,448</td>
</tr>
</tbody>
</table>

Special Note: UNCE, Mineral County exists as a county, state, and federal partnership. Mineral County must allocate .01 mil of specific county revenues (including net proceeds) per Nevada Revised Statutes, and office operations to maintain this county, state, and federal partnership. This year, the .01 mil amount is expected to range from $15,000 – 18,000, but may increase/decrease due to the net proceeds. This funding is required to maintain the partnership and to leverage the grant amounts.

FY18 Request Budget Breakdown

Salaries/Benefits: Community-based Instructor III (.30 Full Time Equivalent) $ 16,224
Extension Educator Salary $ 75.00

Telephone: $210/month @ 12 months $ 2,520.00
Hosting Supplies: Youth and Adult Misc. Program support $ 300.00

Equipment Service Contract:
Copier Expense $ 600.00
Internet/Interactive Video ($230/mo @ 12 months) $ 2,280.00

Services & Supplies:
Building/Office Supplies $ 2,240.00
Landfill fee $

Fingerprint Expense: $ 500.00
Veggies for Seniors $ 1,200.00

Total Budget: $ 25,939.00

Special Note: We did receive a $11,000 grant from USDA, Natural Resources Conservation Service in 2015. We are currently negotiating with USDA, NRCS to see if this grant can be refunded in 2015.
Grants

Grant awards are an intricate part of all programming. All grant activities are reported below. It is important to note that Mineral County Cooperative Extension is a partner on some of the funds acquired below and does not have access to the entire award amount.

Proposal Awarded
Emm, Staci K (Co-Principal), McCarthy, Maureen (Principal), Singletary, Loretta (Co-Principal), Kauneckis, Derek K (Co-Principal), Curtis, Kynda (Co-Principal), Colby, Bonnie (Co-Principal), Dettinger, Micheal (Co-Principal). "Enhancing climate resiliency for agricultural production on American Indian lands in the Great Basin", Sponsored by USDA, National Institute of Food and Agriculture, University of Nevada, Reno, $4,500,000.
Submission Date: August 8, 2014
Date Awarded: July 1, 2015
End Date: December 31, 2020

Proposal Awarded
Submission Date: June 12, 2014
Date Awarded: December 1, 2014
End Date: November 30, 2017

Proposal Awarded
Submission Date: July 2015
Date Awarded: October 1, 2015
End Date: September 30, 2016

Proposal Awarded
Emm, Staci K (Principal). "Veggies for Kids", Sponsored by Nevada Food Stamp Nutrition Education, State, $480,000.
Submission Date: July 2016
Date Awarded: October 1, 2016
End Date: September 30, 2017

Proposal Awarded
Emm, Staci K (Principal), Gatzke, Holly M (Co-Principal), Bishop, Carol (Co-Principal), Boyle, Douglas (Co-Principal), Flavin, Frank (Co-Principal), Harris, Thomas R (Co-Principal). "Nevada Risk Management Project", Sponsored by USDA, Risk Management Agency, Federal, $247,988.
Submission Date: June 2015
Date Awarded: September 30, 2015
End Date: September 29, 2016

Proposal Awarded
Emm, Staci K (Principal), Gatzke, Holly M (Co-Principal), Bishop, Carol (Co-Principal), Boyle, Douglas (Co-Principal), Flavin, Frank (Co-Principal), Harris, Thomas R (Co-Principal). "Nevada Risk Management Project", Sponsored by USDA, Risk Management Agency, Federal, $228,000.
Submission Date: June 2016
Date Awarded: September 30, 2016
End Date: September 29, 2017

Proposal Awarded
Emm, Staci K (Principal). "Mineral County Project Toward No Drugs: Teen Health Modules", Sponsored by Healthy Communities Coalition, Other, $4,296.
Submission Date: May 2014
Date Awarded: July 1, 2015
End Date: June 30, 2016

Proposal Awarded: Grant run through Mineral County
Emm, Staci K (Principal). "Michigan Model for Health", Sponsored by Healthy Communities Coalition, Other, $11,000.
Submission Date: May 2016
Date Awarded: July 1, 2016
End Date: June 30, 2017

Proposal Awarded
Emm, Staci K (Principal), Singletary, L. (co-principal), Bishop, C (Co-principal), Ward, R. and (co-principal).
American Indian Farmer Rancher Outreach project renewal application, Sponsored by USDA. Office of Advocacy and Outreach, $199,000.
Submission Date: June 2016
Date Awarded: October, 2016
End Date: September 30, 2017

Conclusion of Report
Mineral County Cooperative Extension sustained programs in 2016 and increased the number of participants in most program areas. Cooperative Extension will continue to look for grant funding and to collaborate at a local, state and federal level to build programs for Mineral County. If you have any questions, regarding this report, please contact Staci Emm at (775) 945-3444 ext. 10.

Report Signature - Staci K. Emm, Extension Educator
Staci Emm