



University of Nevada, Reno

Extension

College of Agriculture,
Biotechnology & Natural Resources

Extension | Humboldt County

Annual Report | Fiscal Year 2024 – 2025

Extension is a unit of the University of Nevada, Reno's College of Agriculture, Biotechnology & Natural Resources engaged in Nevada communities, bringing research-based knowledge to address critical community needs. It is a county-state-federal partnership providing practical education to people, businesses and communities.

Extension, Humboldt County Office

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Program Impacts

Noxious & Invasive Weeds

Noxious and invasive weeds are widespread throughout Nevada, threatening the productivity of cropland, pasture, and rangeland. The Humboldt County Extension Educator continues to interact with the Paradise Valley Weed Control District, the Humboldt Watershed Cooperative Weed Management Area, Nevada Department of Agriculture, the Nevada Conservation Districts and other entities to provide research based information for weed issues they encounter.



- There were over 400 student contacts at ten workshop presentations and other meetings.
- The focus of presentations this year was Herbicides: How they Work Influences their Selection; Roots, Carbohydrates and Herbicide Control and Weed Seedbanks. This education informs students about the importance of properly timing herbicide treatments for each species, and the need for a long-term follow-up control program.
- The Humboldt County Commission continued to supplement the Extension budget (\$25,000) for weed control and management efforts. These resources helped implement weed control efforts on several thousand acres in fiscal year 2023.

Rangeland Resources

- Rangeland education program had 1,212 student contacts during workshops, conferences, field tours and collaborative planning meetings.
- Continued participation in the Jordan Meadows Grazing Management Collaborative Planning Group, providing participants with the appropriate peer-reviewed research available to help inform discussions and decisions.
- Continued the Santa Rosa Mountains “repeat photography study”. Conducted a state-wide forage-loss assessment used to implement the USDA Farm Services Agency’s Insurance Program.
- Provided extensive comment on the Humboldt-Toiyabe National Forest’s scoping document to permit aerial herbicide treatment of noxious weeds on Forest lands.
- Used funding from the USFS International Program to teach non-linear ecological concepts (using sage-grouse in Nevada as a model species) to graduate students at Samarkand State University, Samarkand, Uzbekistan.
- Collaborated with Sergio Arispe, Oregon State University Extension, to create an educational video about livestock management for fine fuels. Available at: <https://fine-fuels-vt.anrs.oregonstate.edu/>.
- Completed a statewide forage loss assessment for the US Farm Services Agency, Disaster Assistance Program.

4-H Youth Development

- The Humboldt County 4-H Program included day camps, special interest programming and traditional 4-H clubs. There were 20 volunteer leaders and 180 traditional club members with many parents who volunteered time to help within the clubs. 4-H youth exhibited over 300 projects (large animal, small animal and static presentations) at the 2024 Tri-County Fair, 4-H Small Animal Show and Tri-County Junior Livestock Show.
- Hosted the 2024 4-H County Awards Night program on December 6, 2024.
- Showcased the 2024 Humboldt County 4-H Horse Show in August.
- Partnered with the Humboldt County Cattle Women to host the yearly Presentation Day for the livestock and small animal youth with .
- Collaborated with the Humboldt County Farm Bureau to implement *Ag in the Classroom* for 3rd graders. Over 200 youth participated and 15 4-H youth volunteered to help.
- Hosted the second annual *Sonoma Classic Junior Livestock Jackpot* in April 2024: 300 youth entries from Nevada, California, Idaho, and Utah.
- Carcass data presentation for all Humboldt County 4-H market animals and discussed acceptable and desired carcass characteristics, including which carcass attributes receive a premium price, the value of each animal on the market grid, explanations for why each animal received its respective grade, and suggestions about how to improve carcass quality. Over 60 youth attended the presentation



Radon Program

Radon test kits are available to the public and are located at the Extension Office. With a concerted effort in providing Radon education for Humboldt County residents, there were 20 tests completed in the year. Informational booths about the Radon program were set up at the Humboldt General Hospital Health Fair in

Winnemucca. In addition, Humboldt County Commissioners voted to recognize January as Humboldt County Radon Action Month and with increased advertising, Humboldt County saw an increase in radon testing.

Outreach & Education

- Taught a module about plant growth and livestock grazing for the Beginning Farmer Rancher Program.
- Addressed various horticultural issues that affect County residents, and disseminates research based materials to help resolve those issues and educate the public.
- The Humboldt County Extension Office distributed home radon testing kits and disseminates literature about the dangers of radon gas, a primary cause of lung cancer among non-smokers. There were 20 radon tests completed in Humboldt County.
- The Extension Educator resided on the Board of the Humboldt Development Authority (Vice-Chair).
- An evaluation of the annual Statewide Forage Loss Assessment in 2024 found these reports resulted in \$1,554,244 of insurance payments to Nevada Ranchers from 2018 through 2022.
- Scholarship published by the Extension Educator/Natural Resource Specialist and housed on ResearchGate was accessed and read 1,304 times and cited in 44 publications. This material was accessed by individuals from 72 countries.

Nevada Economic Assessment Project

The Nevada Economic Assessment Project (NEAP) is a statewide program with the mission to develop and maintain an extensive data archive with timely, meaningful, and consistent characteristics and a set of analytical tools used to provide Nevada's communities with research and analysis of emerging issues through outreach and engagement. NEAP Webpage: <https://extension.unr.edu/neap/county-reports/default.aspx> NEAP Contact: EconDev@unr.edu

Rural Housing Baseline Assessments

Housing affordability and availability is an ongoing issue in Nevada. Housing data is often scattered across many sources with varying reliability and consistency, making it challenging to navigate. NEAP and Nevada Rural Housing have worked together since late 2022 with the goal of gathering and analyzing data to present the current housing situation in the counties and communities across the state. These tools are intended to inform decision-making by local leaders and private partners interested in contributing to rural Nevada's housing solutions. Baseline data collection and initial analysis were performed for Humboldt County. Reports and fact sheets are available at the following website: <https://extension.unr.edu/neap/rural-housing.aspx>

Foundational Public Health Services

NEAP and NACO conducted a survey of public health infrastructure across Nevada's rural and frontier counties. A national Foundational Public Health Services (FPHS) framework describes the baseline level of services that should be offered through all governmental health departments. The results of the survey will help guide future public health advocacy and investment, including the development of regional public health services. The survey asks participants to provide expertise, capacity, and implementation ratings for each of the Foundational Areas and Capabilities, and also provide free responses on services/programs they know about in each Area and Capability at the county, state, and community partner level. Surveying for Humboldt County was conducted. The in-person community review and verification workshop was conducted March 13, 2024. The statewide report is available. County fact sheets can be accessed by the following link: <https://extension.unr.edu/publication.aspx?PubID=6814>

Fiscal Overview

Revenue and Expenses

Humboldt County FY 25 Expenses

State:	\$136,416
Federal	\$ 93,521
County:	\$222,305
Grants:	\$76,026
Gifts:	\$3,144
Other:	\$5,045
Total:	\$563,484

Humboldt County FY 25 Funds Summary

Opening Balance:	\$777,382
Revenue:	\$184,842
Expenses:	\$249,332
Ending Balance:	\$712,892

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