

**Request for Proposals for the NAES Priority Grant Program:
Hatch, Multi-State and McIntire-Stennis**

Request for Proposals for the Nevada Arid Rangeland Initiative

The Nevada Agricultural Experiment Station (NAES) annually receives and distributes funds that support statewide research activities. These research activities have, over many years resulted in substantial and important results that have benefited a wide variety of clientele. It is the goal of the NAES to be even more effective and efficient in its mission of providing cutting-edge basic and applied research findings that benefit the agricultural community of the state and nation. There are three critical components in this effort. The first is identifying and prioritizing areas of research emphasis. The second is designing effective and focused research programs to address these priorities. The third is utilizing the fiscal resources of the NAES as effectively as possible to carry out this research. Each of these components is discussed in more detail below.

Research Priorities: Funding to support research by NAES scientists is provided through a partnership between the federal government (USDA CSREES) and the state. Thus, the research priorities of the NAES must reflect both state and national priorities that fall under the broadest definition of “agriculture.” Furthermore, since the fiscal resources of the NAES are limited, the research priorities must be similarly limited. Hence, the process utilized to arrive at these priorities is a particularly important one. The strategic planning process of the NAES identified the following research priorities:

- Agricultural Production in a Semi-Arid Environment
- Agricultural and Natural Resource Biotechnology and Molecular Biology
- Economic Development with Emphasis in Rural Areas
- Environmental Sciences in a Semi-Arid Environment
- Natural Resources Management in the Great Basin and Sierran Ecosystems
- Nutrition and Health

Research Programs: Effective research programs targeting important scientific questions are increasingly dependent upon multidisciplinary, multi-investigator approaches that utilize a wide range of methods, techniques and capabilities. This kind of approach is a priority for the NAES and necessitates that funding be increasingly broken out of its traditional department-and/or college oriented mode.

Priorities will be given to Integrated Projects – Projects that involve research, education and outreach, and have at least one Cooperative Extension faculty member as a co-investigator.

Emphasis will be on collaborative research efforts, with collaborative being defined as one or a combination of the following:

- Interdisciplinary within a department
- Interdisciplinary between departments
- Multi-state (regional)
- Collaborative between NAES and Nevada Cooperative Extension

Fiscal Resources: Our goal is to develop *priority-based* research programs that utilize fiscal resources in the most *effective* and *efficient* manner. This explicitly means *fewer* projects with more money that are more directly associated with state NAES research priorities. The logical extension of this philosophy suggests a collaborative approach with multiple investigators, which would make more efficient and productive use of NAES resources. However, it is also recognized that there are those instances where small amounts of research monies can be used to support the initial efforts of an individual researcher, and that multi-state research must also be fostered. Consequently, there will be two NAES research funding programs:

NAES Priority Grants Program: Hatch, Multi-State and McIntire-Stennis

The proposal process for this program will begin with the submission of the research proposal through the on-line Submission Process (see below). **Proposals for the NAES Priority Grant Program are due to the NAES no later than 5:00p.m., January 15, 2010 – via the on-line process.**

Proposals will then be sent to Department Chairs for the Review Process. Technical review is best served when the expertise on the panel is closely aligned to the discipline of the proposal thus technical review is the responsibility of the departments. Departmental technical review will consist of obtaining a minimum of two (2) written reviews from outside the department, including an extramural reviewer with experience reviewing research proposals for national agencies.

The peer reviews should be submitted online, but if the department prefers a paper review, then the chair will be responsible for providing a written:

- Ranking of the proposals
- Brief justification of the ranking
- Critique/evaluation from each individual reviewer that will be shared with the P.I.

The Associate Director and Director will obtain input to evaluate and rank the proposals on relevance of the proposed research to the stakeholders of the State of Nevada. A brief critique on State relevance is shared with the P.I. The Director and Associate Director will construct the final ranking of all proposals with input from the Department Chairs.

Nevada Arid Rangeland Initiative

In addition, Senator Harry Reid and the Nevada Congressional Delegation have directed a special grant to UNR to support the **Nevada Arid Rangeland Initiative** (NARI). The intent of the special grant is to coordinate research activities of federal and state agencies to address the highest priority issues and concerns relating to the management and protection of the public lands and natural resources of the Great Basin.

Funding priorities will include proposals that address the following high priority areas:

1. Healthy Rangelands for Multiple Users
2. Improved Campus-Based Range Management Education Programs
3. Healthy Economies at the Ranch, Community and County Level

4. Public Land Decision-Making Models that Value and Support Public Input

Proposals should address the mission of the NARI which is to: Develop research and education programs that will provide the science-based knowledge and skills required to manage healthy and productive rangelands, provide abundant renewable natural resources, and support the economic and value based sustainability of our rural communities and families and our urban stakeholders.

Furthermore, additional priority will be given to those proposals that involve collaboration with Federal and State agencies and UNCE.

The proposal process for this program will begin with the submission of the research proposal through the on-line Submission Process (see below). **Proposals for the Nevada Arid Rangeland Initiative are due to the NAES no later than 5:00p.m., January 15, 2010 – via the on-line process.**

Format for Submitting Proposed Research Projects
Nevada Agriculture Experiment Station, UNR
Priority Grants and
Nevada Arid Rangeland Initiative

1. GO TO <https://naes.agnt.unr.edu/PMS/Default.aspx>
2. **Log In** to the Personnel Management System
 - a. **Username:** your email address
 - b. **Password:** If you do not remember your password you will find a link below the login box that will reset your password and email the new password to the provided email address.
 - c. **ARE YOU HUMAN:** you must enter the five characters provided to the left of the box.
 - d. **Remember My Sign-In:** This will allow you return at a later time without signing in again. Note: you must allow cookies for this to work.
3. **Main Menu:** This page allow you to access multiple feature associated with CABNR/NAES
 - a. Select the link “View [Your Name] Grant Proposals” located in section three.
4. **Grant Proposals:** You have one of two options “Add New Grant” OR “Copy Forward” a proposal that was rejected from previous years.

At the bottom of each page you will have the option of going to the next step or saving and exiting. On the right you will see the list of steps for the submission process. When in “**Edit**” mode this list will change to links to help you quickly navigate through the proposal, however, please note that using the quick links in the edit mode will **not** save any newly added information, you must use a bottom button (either Next Step or Save and Exit to save added information). If you choose to save and exit, you may return to the proposal via #1-5 above -- select “**Edit**” on the left of the proposal name at the “Priority Grant Proposals” page.

After you’ve completed the last step (Attaching Figures and Graphics) select “**Return to Main Menu.**” This will return you to your “Priority Grant Proposals” page. From this page you can “**view,**” “**edit,**” or “**submit**” your proposal. Once submitted you will no longer be able to edit the proposal. You will receive an email confirmation of proposal submission.

The steps below take you through the proposal submission process on FDMS.

Select Type of Grant

Hatch Multi-State McStennis Nevada Arid Rangeland Initiative

Click on button to select – only one type may be selected.

NOTE: if McStennis is selected you will need to select checkboxes associated with “Emerging & Integration Areas

Add Proposed Title

Type in proposed project title – unless Multi-State type was selected. If Multi-State project type, then pull down arrow will appear in box to select correct Multi-State project – the proposal title and the Multi-State Project Title must match exactly.

Add Investigators

Your name will appear automatically as PI (You may edit this line by selecting “**Edit**” on the left and changing any category and then selecting “**Update**” on the left.)

Add other names by selecting “**Add a New CABNR Team Member**” and use the pull down menu to find the correct person. Select PI or Co-PI or other role, %FTE percentage, Order of listing, and then select “**Add Name**” on the left. Please note: only one individual can be listed as “PI.”

NOTE: Co-PI and Participants will receive an email asking them to verify their involvement with the project

To add other team members select “**Add Outside Team Members**” and fill in information on the individual. Outside Team Members cannot be listed as PI’s.

Grant Parameters

I. Fiscal Year Begin Date e.g., mm/dd/yyyy
(7/1/2010 is the default date and most projects will start funding on this date)

II. Years Requested to Fund Project 1 2 3 4 5
Select number of years requested

III. Project Integrated with Cooperative Extension No Yes

IV. Federal Assurance Requirements

1. Animals Involved? No Yes

Note: If yes, an animal committee approval (IACUC) is required before receiving funds.

2. Human Subjects Involved? No Yes

Note: If yes, a human subjects committee approval (IRB) is required before receiving funds.

3. Re-Combinant DNA Involved? No Yes

V. Field Station(s) Involved:

Select Field Laboratories to be involved in research project, if applicable.

NOTE: At least one field station employee must be added to the Project Team for each station selected.

Budget

To add requested funding for Post Doctoral Researcher, Classified Staff, Graduate Research Assistant, and/or Undergraduate Assistant select “[Add Employees to Budget](#)” and type in FTE, salary and justification for each position. Select “Add Employee” on left.

Under Budget select “Edit” for each requested year, type in amounts for different categories requested, and select “Update” on left.

Any piece of equipment purchased for less than \$5,000 should be listed under OTHER. Equipment must be \$5,000 or greater per year.

Select “View Budget” for an overview of budget.

Technical Summary

The project summary should include a brief description (3300 Characters **or less**, approximately 500 words or 1/2 a page) of the problem, objectives and methodologies or approaches.

You may type in this box, or cut and paste from another document. Please note that any formatting may be lost when you cut and paste, so please review each section for errors prior to saving or proceeding to next step.

Non-Technical Project Summary and Its Relevance to the State

The non-technical project summary should be in layperson's jargon. No acronyms, please. Indicate the expected outcomes of the proposed research and justify how those will impact the residents of Nevada in terms of critical state needs and address the NAES research priorities (3300 Characters **or less**, approximately 500 words or 1/2 a page).

You may type in this box, or cut and paste from another document. Please note that any formatting may be lost when you cut and paste, so please review each section for errors prior to saving or proceeding to next step.

Project Justification

Provide a description of the problem with relevant background information, previous studies and relevance to the NAES research priorities and consequently to the citizens of Nevada. Statement of the problem should not be a repeat of the summaries (6600 characters **or less**, approximately 1000 words or 1 typed page).

You may type in this box, or cut and paste from another document. Please note that any formatting may be lost when you cut and paste, so please review each section for errors prior to saving or proceeding to next step.

Previous Work and Outlook

A brief summary of the previous research (citing important publications); status of current research; and the additional knowledge needed which the project is expected to provide. NOTE: literature citations can be listed in the REFERENCES section.

Project Objectives

Long-term goal(s) and supporting objectives of the proposed research should be stated and described in detail. Proposals for contributions to Multi-State projects must possess objectives identical to the Multi-State objectives. A more specific Nevada Contributing Project objective that fits into the Multi-State Project objective should be included. (6600 characters **or less**, approximately 1000 words or 1 typed page).

You may type in this box, or cut and paste from another document. Please note that any formatting may be lost when you cut and paste, so please review each section for errors prior to saving or proceeding to next step.

Hypotheses or Research Question

Describe the specific hypotheses or research question that your proposed research will address. These must be explicitly stated. (6600 characters **or less**, approximately 1000 words or 1 typed page).

You may type in this box, or cut and paste from another document. Please note that any formatting may be lost when you cut and paste, so please review each section for errors prior to saving or proceeding to next step.

Research Methodology

Detailed description of proposed investigations and/or experiments in the sequence in which it is planned to carry them out and techniques to be employed. All proposals which require methodology of a

biochemical, molecular nature, or similar sophisticated techniques of a complex analytical nature must describe the experiment methodology to be used in sufficient detail that an expert reviewer of the proposal can judge the adequacy or appropriateness of the specific methodology to be employed. Proposals which do not describe such techniques in sufficient detail, whatever research priority area or department they are presented in, may suffer in comparison with proposals giving appropriately justified description of methodology.

(6600 characters **or less**, approximately 1000 words or 1 typed page).

You may type in this box, or cut and paste from another document. Please note that any formatting may be lost when you cut and paste, so please review each section for errors prior to saving or proceeding to next step.

Tentative Schedule

Outline a tentative schedule for conducting major steps of investigations and/or experiments.

(6600 characters **or less**, approximately 1000 words or 1 typed page).

You may type in this box, or cut and paste from another document. Please note that any formatting may be lost when you cut and paste, so please review each section for errors prior to saving or proceeding to next step.

Publication and Information Dissemination Plan

Publication and information dissemination plan: Develop a plan for publishing the results of the research. Indicate other information dissemination plans such as extension or other outreach/education activities.

(6600 characters **or less**, approximately 1000 words or 1 typed page).

You may type in this box, or cut and paste from another document. Please note that any formatting may be lost when you cut and paste, so please review each section for errors prior to saving or proceeding to next step.

Impact and Outcomes

Describe the impact of the planned investigation on *education, community and science*.

(6600 characters **or less**, approximately 1000 words or 1 typed page for each section).

You may type in these boxes, or cut and paste from another document. Please note that any formatting may be lost when you cut and paste, so please review each section for errors prior to saving or proceeding to next step.

Personnel and Collaborative Arrangements

A management plan that (a) justifies the participation of each of the listed CoPI's and (b) details the budget allocation to support the participation of each CoPI must be provided. (6600 characters **or less**, approximately 1000 words or 1 typed page).

You may type in this box, or cut and paste from another document. Please note that any formatting may be lost when you cut and paste, so please review each section for errors prior to saving or proceeding to next step.

If the proposed project requires support personnel and/or collaboration with other research scientists, corporations, organizations, agencies, or entities, such collaboration must be justified and supported. Evidence in the form of a letter(s) should be provided to assure peer reviewers that the collaborators involved agree with the arrangements. Please attached a letter or document approving/supporting collaboration from appropriate outside agencies or institutions using the Browse Button.

Multi-State Collaborations (If selected in Step 1)

Describe the relationship of the proposed research to a multi-state research program. (6600 characters **or less**, approximately 1000 words or 1 typed page).

Appendix E Information for Multi-State Project (If selected in Step 1)

1. Please indicate what objective number(s) you are contributing to under this project (from the Multi-State Project Objectives.)

To find the project objectives go to www.nimss.umd.edu and select "Project Home." Select the correct area that the Multi-State project is listed as (i.e. West for a W-project, North Central for an NC-project). Scroll through the pop-up pages using the pop-up arrow button to find the correct project. Select "Project Homepage" and then select "Outline" from the left hand menu on the project homepage. Scroll down through the Outline to find the Objectives (located within the text of the Outline). Note which of these objective numbers your proposal would contribute toward, if funded, and provide these numbers (e.g. "1, 2").

2. Please enter the type and amount (e.g. 0.2) of the Research Commitments for the PI

SY = Scientific Year
PY = Professional Year
TY = Technical Year

SY PY TY

3. Please type the Research [CRIS Codes](#):

You may use the CRIS Codes link above to view the codes. You may also view CRIS Codes listed by other participants on the Multi-State Project Homepage (see above directions) under "Appendix E: Participation" to narrow your search for the appropriate codes.

Please use format: rpa-soi-fos, rpa-soi-fos.
For example: 212-1110-120, 212-1112-120, 212-2010-1120

This is required if you have SY, PY or TY.

References to Project Description

All references cited should conform to an accepted journal format.

You may type in this box, or cut and paste from another document. Please note that any formatting may be lost when you cut and paste, so please review each section for errors prior to saving or proceeding to next step.

Potential Extramural Funding Sources

Describe plan for soliciting extra-mural funding; include agencies that will be solicited, and a proposed time sequence. (6600 characters **or less**, approximately 1000 words or 1 typed page)

You may type in this box, or cut and paste from another document. Please note that any formatting may be lost when you cut and paste, so please review each section for errors prior to saving or proceeding to next step.

Agency Cooperation

Describe (6600 characters **or less**, approximately 1000 words or 1 typed page) a statement listing the U.S. Department of Agriculture or other station, institutions, or agencies expected to cooperate formally or informally on the project.

Justifications

Justification will be required for all dollars requested. Please include a brief description (6600 Characters **or less**, approximately 1000 words or a page) of the need for expenses, i.e., supplies, travel, equipment, etc.

You may type in these boxes, or cut and paste from another document. Please note that any formatting may be lost when you cut and paste, so please review each section for errors prior to saving or proceeding to next step.

Use of Field Laboratories. (If selected in Step 4)

Describe each field manager and/or appropriate field staff input into the planning process. (6600 characters **or less**, approximately 1000 words or 1 typed page).

You may type in this box, or cut and paste from another document. Please note that any formatting may be lost when you cut and paste, so please review each section for errors prior to saving or proceeding to next step.

Attach CVs

Using the browse box attach Vitae, Grant Activities and Publication List(s) of PI, Co-PIs and other project personnel.

References

List all references cited. All citations should conform to an accepted journal format.

Figures and Graphics

If figures or graphics need include this section allows for document uploading.