

Alfalfa and Forage Research Program (AFRP)

FY 2015 Request for Applications (RFA)

APPLICATION DEADLINE: May 26, 2015

ELIGIBILITY: See Part III, A of RFA



United States
Department of
Agriculture

National Institute
of Food and
Agriculture

NATIONAL INSTITUTE OF FOOD AND AGRICULTURE; U.S. DEPARTMENT OF AGRICULTURE

ALFALFA AND FORAGE PROGRAM (AFRP)

INITIAL ANNOUNCEMENT

CATALOG OF FEDERAL DOMESTIC ASSISTANCE: This program is listed in the Catalog of Federal Domestic Assistance under 10.200.

DATES: Applications must be received by **5:00 p.m. Eastern Time on May 26, 2015**. Applications received after this deadline will normally not be considered for funding (see Part IV, C. of this RFA). Comments regarding this request for applications (RFA) are requested within 6 months from the issuance of this notice. Comments received after that date will be considered to the extent practicable.

STAKEHOLDER INPUT: The National Institute of Food and Agriculture (NIFA) seeks your comments about this RFA. We will consider the comments when we develop the next RFA for the program, if applicable, and we'll use them to meet the requirements of section 103(c)(2) of the Agricultural Research, Extension, and Education Reform Act of 1998 (7 U.S.C. 7613(c)(2)). Submit written stakeholder comments by the deadline set forth in the DATES portion of this Notice via e-mail to: Policy@nifa.usda.gov. (This e-mail address is intended only for receiving comments regarding this RFA and not requesting information or forms.) In your comments, please state that you are responding to the Alfalfa and Forage Research Program RFA.

EXECUTIVE SUMMARY: NIFA requests applications for the Alfalfa and Forage Research Program for fiscal year (FY) 2015 to improve alfalfa forage yield and seed yield of crops grown for propagation, improve persistence of plantings, reduce pest pressure for both forage and seed production, improve genetic quality of commercial cultivars, and reduce losses during harvest and storage. The amount available for support of this program in FY 2015 is approximately \$1.25 million.

This notice identifies the objectives for AFRP projects, the eligibility criteria for projects and applicants, and the application forms and associated instructions needed to apply for an AFRP grant.

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PART I—FUNDING OPPORTUNITY DESCRIPTION

A. Legislative Authority and Background

The authority for this program is contained in 7 USC 5925(d)(8): High-priority research and extension initiatives.

B. Purpose and Priorities

Alfalfa and other forage crops are essential to sustainable agricultural systems and are economic engines for rural communities. Their value for soil conservation, nitrogen fixation, energy savings, crop rotation and wildlife habitat is high. However, to provide these societal benefits, the production of forage crops must be profitable to farmers so they will be willing to maintain or expand base acreage.

C. Program Area Description

The Alfalfa and Forage Research Program (AFRP) supports integrated, collaborative research and technology transfer to improve the efficiency and sustainability of conventional and organic forage production systems. AFRP encourages projects that establish multi-disciplinary networks to address priority national or regional science needs of the forage industry. By bringing together expertise from multiple organizations and states, these projects will have greater impact and will enhance the effectiveness of limited state, federal and industry resources.

In FY 2015, AFRP will support the development of improved alfalfa forage and seed production systems.

NIFA is soliciting applications for the FY 2015 under the following areas:

1. Improving alfalfa forage yield and seed yield through better nutrient, water and/or pest management;
2. Improving persistence of alfalfa stands by lessening biotic or abiotic stresses;
3. Improving alfalfa forage and seed harvesting and storage systems to optimize economic returns;
4. Improving estimates of alfalfa forage quality as an animal feed to increase forage usage in animal feeds; and/or
5. Breeding to address biotic and abiotic stresses that impact alfalfa forage yield and persistence and the production of seed for propagation.

AFRP applications must integrate research and extension objectives and must represent a collaboration of at least three states, two of which must be from the same region (see table below). The decision on which states should reside in each region is based on the farm gate value of alfalfa and forage in the states as reported by [National Agricultural Statistical Service \(NASS\)](#).

| Region | | | |
|----------------|----------------|----------------|----------------|
| Western | Central | Eastern | |
| Arizona | Arkansas | Alabama | New Hampshire |
| California | Iowa | Connecticut | New Jersey |
| Colorado | Kansas | Delaware | New York |
| Idaho | Louisiana | Florida | North Carolina |
| Montana | Minnesota | Georgia | Ohio |
| Nevada | Missouri | Illinois | Pennsylvania |
| New Mexico | Nebraska | Indiana | Rhode Island |
| Oregon | North Dakota | Kentucky | South Carolina |
| Utah | Oklahoma | Maine | Tennessee |
| Washington | South Dakota | Maryland | Vermont |
| Wyoming | Texas | Massachusetts | Virginia |
| | | Michigan | West Virginia |
| | | Mississippi | Wisconsin |

The AFRP program directly aligns with the Research, Education, and Economics Action Plan (http://www.ree.usda.gov/ree/news/USDA_REE_Action_Plan_03-2014.pdf) and specifically addresses: Goal 1 – Sustainable intensification of agricultural production, Subgoals 1A, 1B, and 1C (which focus on crop production, health, genetics, genomics, genetic resources, and biotechnology); and Goal 2, Responding to climate and energy needs, Subgoal 2A. Responding to climate variability. AFRP is aligned with the NIFA Strategic Plan (http://nifa.usda.gov/about/pdfs/strat_plan_2014.pdf), and specifically addresses Strategic Goal 1 (Science), by advancing our Nation’s ability to achieve global food security and fight hunger (Subgoal 1.1) and optimizing the production of goods and services from working lands while protecting the Nation’s natural resource base and environment (Subgoal 1.3). The AFRP program aligns with the USDA Strategic Plan (<http://www.ocfo.usda.gov/usdasp/sp2014/usda-strategic-plan-fy-2014-2018.pdf>), and addresses Strategic Goal 2: Ensure our national forests and private working lands are conserved, restored, and made more resilient to climate change, while enhancing our water resources by improving the health of the Nation’s forests, grasslands and working lands by managing our natural resources (Subgoal 2.1) and by leading efforts to mitigate and adapt to climate change, drought, and extreme weather in agriculture and forestry (Subgoal 2.2) and Strategic Goal 3: help America promote agricultural production and biotechnology exports as America works to increase food security by ensuring U.S. agricultural resources contribute to enhanced global security (Subgoal 3.1).

AFRP encourages projects that develop content and programs suitable for delivery through the Cooperative Extension System’s eXtension Initiative. You may use funds to contribute to existing Communities of Practice (CoP) or to form a new CoP focused on alfalfa forage and seed production systems. Projects must align with the eXtension vision, mission, and

values. You must have a letter of acknowledgement from eXtension; you may also need a letter of support from one or more of the Communities of Practice. For detailed guidance on how to partner with eXtension, go to <http://create.extension.org/node/2057>.

Logic Model: A logic model is required for each project to help the project team stay on track and revisit their long-term goals. Below is an example of a logic model for specialty crops.

Program: Specialty Crop Research Initiative Logic Model

Situation: Specialty crops represent 50% of the farm gate value of crop plant agriculture in the U.S. To remain competitive in a global economy, all segments of U.S. specialty crop enterprises need scientific discovery, development and implementation.

| Inputs | Outputs | | Outcomes -- Impact | | |
|--|---|--|---|---|---|
| | Activities | Participation | Short | Medium | Long |
| Farm bill funding USDA coordination NIFA intra-agency coordination Program Directors Support Staff Panel Managers Review Panel members Stakeholder matching contributions | Consult with Specialty Crop Committee and Citrus Disease Subcommittee of NAREEEAB Publish Rules (Federal Register) Publish RFA Conduct PD workshops Conduct grantsmanship workshops Recruit panel managers, industry relevance reviewers and peer review panelists Conduct industry relevance and peer review panel meetings Award funds to meritorious applications Basic and applied research Outreach to producers, processors, and consumers Team building through planning-grant workshops | Specialty crop stakeholders Land-grant partners Federal agencies State agencies University scientists NGOs Consumers | Generate new knowledge for specialty crop systems Adapt existing knowledge to specialty crop systems Engage broadest possible scientific community in challenges faced by specialty crop industries Engage specialty crop industries in strategic planning Web based and other digital information that allows communication among the scientific community and between the scientific community and stakeholders | New professionals engaged in specialty crop systems New processes and products for specialty crop producers Producers and processors adopt newly developed technologies and innovations Demonstrate efficacy of a trans-disciplinary, system science approach to problem solving in agriculture Create a new generation of research and extension scientists capable of, and adept at, working in large, trans-disciplinary teams Networks that improve the flow of information among all components of specialty crop systems | Profitable systems for specialty crop production/processing Increased competitiveness of U.S. specialty crop producers and processors Abundant supply of safe, affordable, and high-quality specialty crops for consumers Energetically efficient systems for specialty crop production and processing Beneficial impacts on specialty crop agro-ecosystems Improved working conditions all along specialty crop value chain |

Assumptions

Sustainability is the foundation of SCRI
Trans-disciplinary teams will achieve impacts more thoroughly and rapidly than single or multi-disciplinary teams
A systems approach will achieve impacts more rapidly than a reductionist approach

External Factors

Congressional funding
Stakeholder input
Specialty Crop Committee and Citrus Disease Subcommittee of NAREEEAB
Stakeholder matching contributions

PART II—AWARD INFORMATION

A. Available Funding

The amount available for NIFA support of this program in FY 2015 is approximately \$1.25M. The funds will be awarded through a grant. There is no commitment by USDA to fund any particular application or to make a specific number of awards. The total project budget cannot exceed a maximum of \$210,000 for the entire project period.

Awards issued as a result of this RFA will have designated the Automated Standard Applications for Payment System (ASAP), operated by the Department of Treasury's Bureau of the Fiscal Service, as the payment system for funds. For more information see <http://fms.treas.gov/index1.html>.

B. Types of Applications

In FY2015, you may submit applications to the AFRP Program as one of the following types of requests:

New application. This is a project application that has not been previously submitted to the AFRP Program. We will review all new applications competitively using the selection process and evaluation criteria described in Part V—Application Review Requirements.

Renewal application. This is a project application that requests additional funding for a project beyond the period that was approved in an original or amended award. Applications for renewed funding must contain the same information as required for new applications; they also must contain a Progress Report (see Project Narrative, Part IV). Renewal applications must be received by the relevant due dates, will be evaluated in competition with other pending applications in the area to which they are assigned, and will be reviewed according to the same evaluation criteria as new applications.

Resubmitted application. This is an application that had previously been submitted to the AFRP Program but not funded. Project Directors (PDs) must respond to the previous review panel summary (see Response to Previous Review, Part IV). Resubmitted applications must be received by the relevant due dates, will be evaluated in competition with other pending applications in appropriate area to which they are assigned, and will be reviewed according to the same evaluation criteria as new applications.

C. Project Types

Only projects that integrate research and extension objectives will be considered. Projects must be collaborations of at least three states and at least two of the states must be from the same region (See Table, Part I B). Applications may request a project period of up to three years.

D. Responsible and Ethical Conduct of Research

The responsible and ethical conduct of research (RCR) is critical for excellence, as well as public trust, in science and engineering. Consequently, we consider education in RCR essential to the preparation of future scientists. In accordance with sections 2, 3, and 8 of 2 CFR Part 422, institutions that conduct USDA-funded extramural research must foster an atmosphere conducive to research integrity, bear primary responsibility for prevention and detection of research misconduct, and maintain and effectively communicate and train their staff regarding policies and procedures. In the event an application to NIFA results in an award, the Authorized Representative (AR) assures, through acceptance of the award that the institution will comply with the above requirements. Per award terms and conditions, grant recipients shall, upon request, make available to NIFA the policies, procedures, and documentation to support the conduct of the training.

Note that the training referred to herein shall be either on-campus or off-campus training. The general content of the ethics training will, at a minimum, emphasize three key areas of research ethics: authorship and plagiarism, data and research integration, and reporting misconduct. Each institution will be responsible for developing its own training system, as schools will need flexibility to develop training tailored to their specific student needs. Grantees should consider the Collaborative Institutional Training Initiative (CITI) program for RCR (<https://www.citiprogram.org/rcrpage.asp>). Typically this RCR education addresses the topics of: Data Acquisition and Management - collection, accuracy, security, access; Authorship and Publication; Peer Review; Mentor/Trainee Responsibilities; Collaboration; Conflict of Interest; Research Misconduct; Human Subject Research; and Use of Animals in Research.

PART III—ELIGIBILITY INFORMATION

A. Eligible Applicants

Applications may only be submitted by (1) State agricultural experiment stations; (2) Colleges and universities; (3) University research foundations; (4) Other research institutions and organizations; (5) Federal agencies; (6) National laboratories; (7) Private organizations or corporations; (8) Individuals who are United States citizens or nationals; or (9) A group consisting of two or more of the entities described in subparagraphs (1) through (8). Award recipients may subcontract to organizations not eligible to apply provided such organizations are necessary for the conduct of the project. Failure to meet an eligibility criterion by the time of application deadline may result in the application being excluded from consideration or, even though an application may be reviewed, will preclude NIFA from making an award.

B. Cost Sharing or Matching

In accordance with section 1492 of the National Agricultural Research, Extension, and Teaching Policy Act of 1977 (7 U.S.C. 3371), as added by section 7128 of the Agricultural Act of 2014 (Pub. L. 113-79), for grants awarded after October 1, 2014, the recipient of an award from the AFRP program must provide funds, in-kind contributions, or a combination of both, from sources other than funds provided through such grant in an amount that is at least equal to the amount awarded by NIFA. The matching funds requirement does not apply to grants awarded:

1. To a research agency of the United States Department of Agriculture (USDA); or
2. To an entity eligible to receive funds under a capacity and infrastructure program (as defined in section 251(f)(1)(C) of the Department of Agriculture Reorganization Act of 1994, 7 U.S.C. 6971(f)(1)(C)), including a partner (see Part VIII, E. Definitions for definition of partnership) of such an entity.

Entities eligible to receive funds under a capacity and infrastructure program and exempt from the matching funds requirement include:

- a. 1862 Land-grant Institutions, including State Agricultural Experiment Stations receiving funding under the Hatch Act of 1887
- b. 1890 Land-grant Institutions
- c. 1994 Land-grant Institutions
- d. Recipients of Continuing Animal Health and Disease, Food Security, and Stewardship Research, Education, and Extension Program Funds — Capacity and Infrastructure Program (CIP)
- e. Hispanic-Serving Agricultural Colleges and Universities (HSACU)
- f. Insular Area Schools Eligible to Receive Funds from the Distance Education/Resident Instruction Grant Programs
- g. Recipients of McIntire-Stennis Cooperative Forestry Program Funds
- h. Non-Land Grant Colleges of Agriculture (NLGCA) – (for exemption from the new matching requirement, these applications must include NLGCA certification, see

- instructions for requesting certification at <http://www.nifa.usda.gov/form/form.html>, and for attaching the certification in Part IV, C. of this RFA)
- i. Recipients of funds under a program established under section 1417(b) of the National Agricultural Research, Extension, and Teaching Policy Act of 1977 (7 U.S.C. 3152(b)), including: (1) 1890 Institution Teaching, Research, and Extension Capacity Building Grants Program; (2) Higher Education Challenge Grants Program; (3) Higher Education Multicultural Scholars Program; and (4) Food and Agricultural Sciences National Needs Graduate and Postgraduate Fellowship Grants Program.
 - j. Individual public or private, nonprofit Alaska Native-Serving and Native Hawaiian-Serving Institutions of higher education (see 20 U.S.C. 1059d).

A proposal submitted in response to this RFA may indicate that the work will be completed by multiple entities as a collaborative partnership. All partners must have a substantial involvement in the project throughout the life of the project. If a partnership among multiple entities is proposed, the proposal must clearly identify the following:

- 1) A narrative of each entity's clearly established role in the project;
- 2) How each entity involved as a partner on the project will contribute to execution of project objectives, determination of experimental design, development of the project work plan and time table, and submission of collaborative, timely reports; and
- 3) A comprehensive project budget that reflects each entity's financial or third party in-kind contribution (see section 2 of 7 CFR 3430 or section 96 of 2 CFR part 200) to the total project budget costs.

If a proposal indicates that the work on the project will be completed by multiple entities as partners, and at least one entity is exempt from the matching requirement under #2 above, the entire project will be exempt from the matching requirement regardless of whether all entities involved are otherwise exempt. Any partner entity can serve as the lead entity on the project. All partners must be significantly involved in the project.

After proposals have been recommended for award, NIFA will determine if the submitted proposal and proposed division of work reflects substantial involvement of all entities involved. If a proposal is recommended for award to a lead entity not otherwise exempt from the matching requirement and the proposal does not reflect substantial involvement of at least one partner that is exempt under #2 above, then the matching requirement will apply. Exemption from the matching requirement for an entity not otherwise exempt is limited to the project for which it is a partner.

Waiver of Match - NIFA may waive the matching funds requirement for a recipient for one year with respect to a competitive grant that involves research or extension activities that are consistent with the priorities established by the National Agricultural Research, Education, Extension and Economics Advisory Board for the year involved. To determine whether proposed activities are consistent with the priorities of the NAREEEAB, please refer to the [2014 Research, Education and Economics Action Plan](#). Instructions for requesting a waiver are included in Part IV, C. of this RFA.

PART IV—APPLICATION AND SUBMISSION INFORMATION

A. Electronic Application Package

Only electronic applications may be submitted via Grants.gov to NIFA in response to this RFA. We urge you to submit early to the Grants.gov system. For an overview of the Grants.gov application process see <http://www.grants.gov/web/grants/applicants/grant-application-process.html>.

New Users of Grants.gov

Prior to preparing an application, we recommend that the Project Director/Principal Investigator (PD/PI) first contact an Authorized Representative (AR, also referred to as Authorized Organizational Representative or AOR) to determine if the organization is prepared to submit electronic applications through Grants.gov. If not (e.g., the institution/organization is new to the electronic grant application process through Grants.gov), then the one-time registration process must be completed PRIOR to submitting an application. It can take as long as 2 weeks to complete the registration process so it is critical to begin as soon as possible. In such situations, the AR should go to **“Register” in the top right corner of the Grants.gov web page (or go to <http://www.grants.gov/web/grants/register.html>) for information on registering the institution/organization with Grants.gov.** Part II.1. of the NIFA Grants.gov Application Guide contains detailed information regarding the registration process. Refer item 2. below to locate the “NIFA Grants.gov Application Guide”.

Steps to Obtain Application Package Materials

To receive application materials:

1. You must download and install a version of Adobe Reader compatible with Grants.gov to access, complete, and submit applications. For basic system requirements and download instructions, see <http://www.grants.gov/web/grants/support/technical-support/software/adobe-reader-compatibility.html>. Grants.gov has a test package that will help you determine whether your current version of Adobe Reader is compatible.
2. To obtain the application package from Grants.gov, go to <http://www.grants.gov/web/grants/applicants/apply-for-grants.html>. Under Step 1 click on “Download a Grant Application Package,” and enter the funding opportunity number

Funding Opportunity Number: USDA-NIFA-OP-005055

in the appropriate box and click “Download Package.” From the search results, click “Download” to access the application package.

Contained within the application package is the “NIFA Grants.gov Application Guide.” This guide contains an introduction and general Grants.gov instructions, information about how to use a Grant Application Package in Grants.gov, and instructions on how to complete the application forms.

If you require assistance to access the application package (e.g., downloading or navigating Adobe forms) **or submitting the application**, refer to resources available on the Grants.gov website (<http://www.grants.gov/web/grants/applicants/applicant-resources.html>). Grants.gov assistance is also available at:

Grants.gov customer support
800-518-4726 Toll-Free or 606-545-5035
Business Hours: 24 hours a day, 7 days a week. Closed on [federal holidays](#).
Email: support@grants.gov

Grants.gov iPortal (see <https://grants-portal.psc.gov/Welcome.aspx?pt=Grants>):
Top 10 requested help topics (FAQs), Searchable knowledge base, self-service ticketing and ticket status, and live web chat (available 7 a.m. - 9 p.m. ET). Get help now!

Have the following information available when contacting Grants.gov:

- Funding Opportunity Number (FON)
- Name of agency you are applying to
- Specific area of concern

B. Content and Form of Application Submission

You should prepare electronic applications following Parts V and VI of the NIFA Grants.gov Application Guide. This guide is part of the corresponding application package (see Section A. of this Part). The following is **additional information** needed to prepare an application in response to this RFA. **If there is discrepancy between the two documents, the information contained in this RFA is overriding.**

Note the attachment requirements (e.g., PDF) in Part III section 3. of the guide. ANY PROPOSALS THAT ARE NON-COMPLIANT WITH THE REQUIREMENTS (e.g., content format, PDF file format, file name restrictions, and no password protected files) WILL BE AT RISK OF BEING EXCLUDED FROM NIFA REVIEW. Grants.gov does not check for NIFA required attachments or that attachments are in PDF format; see Part III section 6.1 of the guide for how to check the manifest of submitted files. Partial applications will be excluded from NIFA review. We will accept subsequent submissions of an application until close of business on the closing date in the RFA (see Part V, 2.1 of the NIFA Grants.gov Application Guide for further information).

For any questions related to the preparation of an application, review the NIFA Grants.gov Application Guide and the applicable RFA. If assistance is still needed for preparing application forms content, contact:

- Email: electronic@nifa.usda.gov
- Phone: 202-401-5048
- Business hours: Monday through Friday, 7 a.m. – 5 p.m. ET, excluding federal holidays.

1. SF 424 R&R Cover Sheet

Information related to the questions on this form is dealt with in detail in Part V, 2. of the NIFA Grants.gov Application Guide.

2. SF 424 R&R Project/Performance Site Location(s)

Information related to the questions on this form is dealt with in detail in Part V, 3. of the NIFA Grants.gov Application Guide.

3. R&R Other Project Information Form

Information related to the questions on this form is dealt with in detail in Part V, 4. of the NIFA Grants.gov Application Guide.

a. Field 7. Project Summary/Abstract. The summary should also include the relevance of the project to the goals of AFRP. See Part V. 4.7 of NIFA Grants.gov Application Guide for further instructions and a link to a suggested template.

b. Field 8. Project Narrative.

NOTE: The Project Narrative shall not exceed 15 pages of written text regardless of whether it is single- or double-spaced and up to three additional pages for figures and tables. We have established this maximum (18 pages) to ensure fair and equitable competition. The Project Narrative must include all of the following:

Introduction: The Introduction cannot exceed 5 pages and must include the significance of the issue being addressed, the hypotheses being tested, and a review of the work done in the previous 5 years.

Project Objectives: Include a list of project objectives and a tentative timetable for achieving the objectives.

Methods and Procedures: For each objective, describe the methods and procedures to be used. Include potential pitfalls and how those might be overcome.

Logic Model Requirement: Projects must include the elements of a logic model detailing the activities, outputs, and outcomes of the proposed project. This information must be formatted into a logic model chart. More information and resources related to the logic model planning process are provided at www.nifa.usda.gov/funding/integrated/integrated_logic_model.html.

4. R&R Senior/Key Person Profile (Expanded)

Information related to the questions on this form is dealt with in detail in Part V, 5. of the NIFA Grants.gov Application Guide. This section of the Guide includes information about the people who require a Senior/Key Person Profile, and details about the Biographical Sketch and the Current and Pending Support, including a link to a suggested template for the Current and Pending Support.

5. R&R Personal Data – As noted in Part V, 6. of the NIFA Grants.gov Application Guide, the submission of this information is voluntary and is not a precondition of award.

6. R&R Budget

Information related to the questions on this form is dealt with in detail in Part V, 7. of the NIFA Grants.gov Application Guide.

Matching: Applications shall include written verification of commitments of matching support from all sources (including both cash and fair market value of in-kind contributions from third parties). The matching amount must be at least equal to the amount awarded through AFRP. All matching must be secured to be considered. The applicant must provide evidence of the required amount of matching prior to award and the information should be included in the proposal.

Written verification means:

For any third party cash contributions, a separate pledge agreement for each donation, submitted on the donor organization's letterhead signed by the authorized representative of the donor organization and the applicant organization and to include the title of the person signing as the AR, which must include: (1) the name, address, and telephone number of the donor; (2) the name of the applicant organization; (3) the title of the project for which the donation is made; (4) the dollar amount of the cash donation; and (5) a statement that the donor will pay the cash contribution during the grant period and specifying the recipient may use the cash donation as they deem necessary or a statement on how the cash is to be used on the project. For cash matching to be used as deemed necessary, the applicant must provide details of how cash matching will be used e.g. salary details, time and/or effort, materials, supplies etc.

For any third party in-kind contributions, a separate pledge agreement for each contribution submitted on Donor Organization letterhead and signed by the AR of the donor organization and the applicant organization, which must include: (1) The name, address, and telephone number of the donor; (2) the name of the applicant organization; (3) the title of the project for which the donation is made; (4) a good faith estimate of the current fair market value of the third party in-kind contribution; and (5) a statement that the donor will make the contribution during the grant period. For in-kind donations of time, the donor's normal rate of pay should be used to value the contribution if the service provided is in the donor's normal line of work.

For in-kind donations involving the use of land or facilities, an explanation and documentation of how the value was determined should be provided.

The sources and the amount of all matching support from the applicant organization and outside the applicant organization shall be summarized on a separate page and placed in the application as a part of the Budget Justification attachment (see Field K on the Form SF 424 (R&R) Budget Fed & Non-Fed). Include the matching amount, the budget category for the match, and detail how the matching support, from each source, will be used (e.g., salary and position supported). Hourly rates for in-kind contributions of time should be based on the person's actual salary rate if the duties performed for the project are the same as his/her normal duties. If different, the hourly rate for the in-kind labor should be based on the going rate in the area for similar duties. Additionally, all pledge agreements must be included as a PDF attachment in Field K as well.

The value of applicant contributions to the project shall be established in accordance with the applicable cost principles. Applicants should refer to OMB Circulars 2 CFR 220, Cost Principles for Educational Institutions; 2 CFR 225, Cost Principles for State, Local, and Tribal Governments; 2 CFR 230, Cost Principles for Non-Profit Organizations; 2 CFR Part 215, Uniform Administrative Requirements for Grants and Agreements With Institutions of Higher Education, Hospitals, and Other Non-Profit Organizations; and the cost principles in the Federal Acquisition Regulation at 48 CFR 31.2 for further guidance and other requirements relating to matching and allowable costs.

7. Supplemental Information Form

Information related to the questions on this form is dealt with in detail in Part VI, 1. of the NIFA Grants.gov Application Guide.

- a. Field 2. Program to which you are applying.** Enter the program code name (i.e., enter “AFRP”) and the program code (i.e., enter “AFRP”). Note that accurate entry of the program code is very important for proper and timely processing of an application.
- b. Field 8. Conflict of Interest List.** See Part VI, 1.8 of the NIFA Grants.gov Application Guide for further instructions and a link to a suggested template.

C. Submission Dates and Times

Prior to electronic submission of the application via Grants.gov, it is strongly recommended that an administrative review be conducted to ensure that an application complies with all application preparation instructions. An application checklist is included in Part VII of the NIFA Grants.gov Application Guide to assist with this review. AFRP also has unique requirements, such as the inclusion of a project logic model, and applicants should ensure that all required components are included.

Instructions for submitting an application are included in Part IV, Section 1.9 of the NIFA Grants.gov Application Guide.

Applications must be received by Grants.gov by **5:00 p.m. Eastern Time on May 26, 2015**. Applications received after this deadline will normally not be considered for funding.

If you have trouble submitting an application to Grants.gov, you should FIRST contact the Grants.gov Help Desk to resolve any problems. Keep a record of any such correspondence. See Part IV. A. for Grants.gov contact information.

We send email correspondence to the AR regarding the status of submitted applications. Therefore, applicants are strongly encouraged to provide accurate e-mail addresses, where designated, on the SF-424 R&R Application for Federal Assistance.

If the AR has not received correspondence **from NIFA** regarding a submitted application within 30 days of the established deadline, contact the Agency Contact identified in Part VII of the

applicable RFA and request the proposal number assigned to the application. **Failure to do so may result in the application not being considered for funding by the peer review panel. Once the application has been assigned a proposal number, this number should be cited on all future correspondence.**

D. Funding Restrictions

Section 715 of the Consolidated and Further Continuing Appropriations Act, 2015 (Pub. L. 113-235) limits indirect costs to 30 percent of the total Federal funds provided under each award. When preparing budgets, you should limit your request for the recovery of indirect costs to the lesser of your institution's official negotiated indirect cost rate or the equivalent of 30 percent of total Federal funds awarded. See Part V section 7.9 of the NIFA Grants.gov Application Guide for further indirect cost information.

You may not use grant funds awarded under this authority to renovate or refurbish research, education, or extension space; purchase or install fixed equipment in such space; or the plan, repair, rehabilitate, acquire, or construction of buildings or facilities.

Statutory language or agency policy limits the maximum potential funding period (including any awards transferred from another institution or organization) to five years in duration. The funding period will commence on the effective date cited in the award instrument. Any such limitation also applies to subcontracts made under awards subject to a funding period limitation.

E. Other Submission Requirements

You should follow the submission requirements noted in Part IV, section 1.9 in the document entitled “NIFA Grants.gov Application Guide.”

For information about the **status of a submitted application**, see Part III., section 6. of the NIFA Grants.gov Application Guide.

PART V—APPLICATION REVIEW REQUIREMENTS

A. General

We evaluate each application in a 2-part process. First, we screen each application to ensure that it meets the administrative requirements as set forth in this RFA. Second, a technical review panel will evaluate applications that meet the administrative requirements.

We select reviewers based upon their training and experience in relevant scientific, extension, or education fields, taking into account the following factors: (a) The level of relevant formal scientific, technical education, or extension experience of the individual, as well as the extent to which an individual is engaged in relevant research, education, or extension activities; (b) the need to include as reviewers experts from various areas of specialization within relevant scientific, education, or extension fields; (c) the need to include as reviewers other experts (e.g., producers, range or forest managers/operators, and consumers) who can assess relevance of the applications to targeted audiences and to program needs; (d) the need to include as reviewers experts from a variety of organizational types (e.g., colleges, universities, industry, state and federal agencies, and private profit and non-profit organizations) and geographic locations; (e) the need to maintain a balanced composition of reviewers with regard to minority and female representation and an equitable age distribution; and (f) the need to include reviewers who can judge the effective usefulness of each application to producers and the general public.

When each peer review panel has completed its deliberations, the responsible program staff of AFRP will recommend that the project: (a) be approved for support from currently available funds or (b) be declined due to insufficient funds or unfavorable review.

AFRP reserves the right to negotiate with the PD/PI and/or with the submitting organization or institution regarding project revisions (e.g., reductions in the scope of work, funding level, period, or method of support) prior to recommending any project for funding.

B. Evaluation Criteria

We will use the evaluation criteria below to review applications submitted in response to this RFA:

1. Potential of the project to improve alfalfa forage and seed production systems as earlier described under program priorities (20 points)
2. Potential that the project objectives can be successfully achieved during the project time line (10 points)
3. Conceptual adequacy of the proposed methods and procedures (40 points)
4. Appropriate plans are in place to deliver usable information to end-users (20 points)
5. Appropriate team members are in place to achieve project objectives (10 points)

C. Conflicts of Interest and Confidentiality

During the peer evaluation process, we take extreme care to prevent any actual or perceived conflicts of interest that may impact review or evaluation. See http://www.nifa.usda.gov/business/competitive_peer_review.html for further information about conflicts of interest and confidentiality as related to the peer review process.

D. Organizational Management Information

Specific management information relating to an applicant shall be submitted on a one time basis, with updates on an as needed basis. This requirement is part of the responsibility determination prior to the award of a grant identified under this RFA, if such information has not been provided previously under this or another NIFA program. We will provide you copies of forms recommended for use in fulfilling these requirements as part of the preaward process. Although an applicant may be eligible based on its status as one of these entities, there are factors that may exclude an applicant from receiving federal financial and nonfinancial assistance and benefits under this program (e.g., debarment or suspension of an individual involved or a determination that an applicant is not responsible based on submitted organizational management information).

E. Application Disposition

An application may be withdrawn at any time before a final funding decision is made regarding the application. Each application that is not selected for funding, including those that are withdrawn, will be retained by AFRP for a period of three years.

PART VI—AWARD ADMINISTRATION

A. General

Within the limit of funds available for such purpose, the NIFA awarding official shall make grants to those responsible, eligible applicants whose applications are judged most meritorious under the procedures set forth in this RFA. The date specified by the NIFA awarding official as the effective date of the grant shall be no later than September 30 of the federal fiscal year in which the project is approved for support and funds are appropriated for such purpose, unless otherwise permitted by law. The project need not be initiated on the grant effective date, but as soon thereafter as practical so that project goals may be attained within the funded project period. All funds granted by NIFA under this RFA may be used only for the purpose for which they are granted in accordance with the approved application and budget, regulations, terms and conditions of the award, applicable federal cost principles, USDA assistance regulations, and NIFA General Awards Administration Provisions at 7 CFR part 3430, subparts A through E.

B. Award Notice

The award document will provide pertinent instructions and information including, at a minimum:

- (1) Legal name and address of performing organization or institution to which the director has issued an award under the terms of this request for applications;
- (2) Title of project;
- (3) Name(s) and institution(s) of PDs chosen to direct and control approved activities;
- (4) Identifying award number and the Federal Agency Identification Number assigned by NIFA;
- (5) Project period, specifying the amount of time NIFA intends to support the project without requiring recompetition for funds;
- (6) Total amount of financial assistance approved for the award;
- (7) Legal authority(ies) under which the award is issued;
- (8) Appropriate Catalog of Federal Domestic Assistance (CFDA) number;
- (9) Applicable award terms and conditions (see <http://www.nifa.usda.gov/business/awards/awardterms.html> to view NIFA award terms and conditions);
- (10) Approved budget plan for categorizing allocable project funds to accomplish the stated purpose of the award; and

(11) Other information or provisions deemed necessary by NIFA to carry out its respective awarding activities or to accomplish the purpose of a particular award.

C. Administrative and National Policy Requirements

2 CFR Part 25, “Universal Identifier and Central Contractor Registration”

2 CFR Part 170, “Reporting Subaward and Executive Compensation Information”

2 CFR Part 175, “Award Term for Trafficking in Persons”

2 CFR Part 180, “OMB Guidelines to Agencies on Governmentwide Debarment and Suspension (Nonprocurement)”

2 CFR Part 182, “Governmentwide Requirements for Drug-Free Workplace (Financial Assistance)”

2 CFR Part 200, “Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal Awards”

2 CFR Part 400, “Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal Awards”

2 CFR Part 415, “General Program Administrative Regulations”

2 CFR Part 416, “General Program Administrative Regulations for Grants Cooperative Agreements to State and Local Governments”

2 CFR Part 417, “Nonprocurement Debarment and Suspension”

2 CFR Part 418, “New Restrictions on Lobbying”

2 CFR Part 421, “Requirements for Drug-Free Workplace (Financial Assistance)”

7 CFR Part 1, subpart A—USDA implementation of the Freedom of Information Act.

7 CFR Part 3—USDA implementation of OMB Circular No. A-129 regarding debt collection.

7 CFR Part 15, subpart A—USDA implementation of Title VI of the Civil Rights Act of 1964, as amended.

7 CFR Part 331 and 9 CFR Part 121—USDA implementation of the Agricultural Bioterrorism Protection Act of 2002.

7 CFR Part 3407—USDA procedures to implement the National Environmental Policy Act of 1969, as amended.

7 CFR 3430—Competitive and Noncompetitive Non-formula Financial Assistance Programs--General Award Administrative Provisions.

NIFA Federal Assistance Policy Guide—a compendium of basic NIFA policies and procedures that apply to all NIFA awards, unless there are statutory, regulatory, or award-specific requirements to the contrary.

29 U.S.C. 794 (section 504, Rehabilitation Act of 1973) and 7 CFR Part 15b (USDA implementation of statute) —prohibiting discrimination based upon physical or mental handicap in federally-assisted programs.

35 U.S.C. 200 et seq. —Bayh Dole Act, controlling allocation of rights to inventions made by employees of small business firms and domestic nonprofit organizations, including universities, in federally-assisted programs (implementing regulations are contained in 37 CFR Part 401).

44 U.S.C. 3541 et seq. (Pub. L. 107-347) - Federal Information System Security Management Act of 2002 (FISMA), to improve computer and network security within the Federal Government. Applies to awardees if it will collect, store, process, transmit, or use information on behalf of NIFA.

D. Expected Program Outputs and Reporting Requirements

The output and reporting requirements are included in the award terms and conditions (see <http://www.nifa.usda.gov/business/awards/awardterms.html> for information about NIFA award terms). If there are any program or award-specific award terms, those, if any, will be identified in the award.

PART VII—AGENCY CONTACT

Applicants and other interested parties are encouraged to contact:

Programmatic Contact –

Liang-Shiou Lin
Title: National Program Leader
Unit: Plant Production
Location: 3462 Waterfront Centre
[Full Address and Directions](#)
Phone: (202) 401-5045
Fax: (202) 401-6156
Email: llin@nifa.usda.gov

Alternate Programmatic Contact –

Caroline Sherony
Title: Program Specialist
Unit: Plant Production
Location: 3145 Waterfront Centre
[Full Address and Directions](#)
Phone: (202) 401-6030
Fax: (202) 401-6156
E-mail: csherony@nifa.usda.gov

Administrative/Business Contacts –

Susan Bowman
Title: Branch Chief
Unit: Awards Management Branch I
Location: 2240 Waterfront Centre
[Full Address and Directions](#)
Phone: (202) 401-4324
Fax: (202) 401-6271
Email: sbowman@nifa.usda.gov

Adriene Woodin
Title: Branch Chief
Unit: Awards Management Branch II
Location: 2182 Waterfront Centre
[Full Address and Directions](#)
Phone: (202) 401-4320
Fax: (202) 401-6271
Email: awoodin@nifa.usda.gov

PART VIII—OTHER INFORMATION

A. Access to Review Information

We will send copies of reviews, not including the identity of reviewers, and a summary of the panel comments to the applicant PD after the review process has been completed.

B. Use of Funds; Changes

1. Delegation of Fiscal Responsibility

Unless the terms and conditions of the award state otherwise, awardees may not in whole or in part delegate or transfer to another person, institution, or organization the responsibility for use or expenditure of award funds.

2. Changes in Project Plans

a. The permissible changes by the awardee, PD(s), or other key project personnel in the approved project shall be limited to changes in methodology, techniques, or other similar aspects of the project to expedite achievement of the project's approved goals. If the awardee or the PD(s) is uncertain as to whether a change complies with this provision, the question must be referred to the Authorized Departmental Officer (ADO) for a final determination. The ADO is the signatory of the award document, not the program contact.

b. The awardee must request, and the ADO must approve in writing, all changes in approved goals or objectives prior to effecting such changes. In no event shall requests be approved for changes that are outside the scope of the original approved project.

c. The awardee must request, and the ADO must approve in writing, all changes in approved project leadership or the replacement or reassignment of other key project personnel, prior to effecting such changes.

d. The awardee must request, and the ADO must approve in writing, all transfers of actual performance of the substantive programmatic work in whole or in part and provisions for payment of funds, whether or not federal funds are involved, prior to instituting such transfers, unless prescribed otherwise in the terms and conditions of the award.

e. The project period may be extended without additional financial support, for such additional period(s) necessary to complete or fulfill the purposes of an approved project, but in no case shall the total project period exceed any applicable statutory limit or expiring appropriation limitation. The terms and conditions of award include information about no-cost extensions of the award and when ADO's prior approval is necessary.

f. Changes in Approved Budget: Unless stated otherwise in the terms and conditions of award, changes in an approved budget must be requested by the awardee and approved in writing by the

ADO prior to instituting such changes, if the revision will involve transfers or expenditures of amounts requiring prior approval as set forth in the applicable Federal cost principles, Departmental regulations, or award.

C. Confidential Aspects of Applications and Awards

When an application results in an award, it becomes a part of the record of NIFA transactions, available to the public upon specific request. Information that the Secretary determines to be of a confidential, privileged, or proprietary nature will be held in confidence to the extent permitted by law. Therefore, any information that the applicant wishes to have considered as confidential, privileged, or proprietary should be clearly marked within the application. The original copy of an application that does not result in an award will be retained by the Agency for a period of three years. Other copies will be destroyed. Such an application will be released only with the consent of the applicant or to the extent required by law. An application may be withdrawn at any time prior to the final action thereon.

D. Regulatory Information

For the reasons set forth in the final Rule related Notice to 2 CFR part 415, subpart V (48 FR 29114, June 24, 1983), this program is excluded from the scope of the Executive Order 12372 which requires intergovernmental consultation with State and local officials. Under the provisions of the Paperwork Reduction Act of 1995 (44 U.S.C. chapter 35), the collection of information requirements contained in this Notice have been approved under OMB Document No. 0524-0039.

E. Definitions

Please refer to [7 CFR 3430, Competitive and Noncompetitive Non-formula Financial Assistance Programs--General Award Administrative Provisions](#), for applicable definitions for this NIFA grant program.

Partnership requires that all partners have a substantial involvement in the project throughout the life of the project. If a partnership between multiple entities is proposed, the proposal should clearly identify the following:

- 1) A narrative of each entity's clearly established role in the project;
- 2) How each entity involved as a partner on the project will contribute to execution of project objectives, determination of experimental design, development of the project work plan and time table, and submission of collaborative, timely reports; and
- 3) A comprehensive project budget that reflects each entity's financial or in-kind contribution to the total project budget costs.