

- *See pages 2 thru 4 for instructions on each Block Number for the required information and format*

	<b>Required Information</b>	<b>Enter the response/description in this column and return the completed template to the ARIS data entry person</b>
1	Project Title <small>Limited to 140 characters</small>	
2	Start Date <small>mm/dd/yyyy</small>	
3	Term Date <small>mm/dd/yyyy</small>	
4	Department	
5	Institute	
6	Remarks	
7	Objective <small>3,200 character limit</small>	
8	Approach <small>3,200 character limit</small>	
9	Keywords	
10	Investigator(s) ARS & Cooperator	
11	Reason research cannot be performed by the ARS scientist	
12	Relevance to Parent Project Block:	
13	ARS Contact Financial Dealings: (Conflict of Interest question)	
14	Cooperator's Principal Investigator	
15	<i>Statement of Mutual Interest</i> narrative:	
16	<i>Mutual Agreements</i> narrative:	
17	<i>The Cooperator Agrees To</i> narrative:	
18	<i>The ARS Agrees To</i> narrative:	

**Instructions for completing each Block Number for the template on page 1, which is the required information and format for data entry into the streamlined, single entry ARIS/AIMS system**

ARIS/AIMS Non-Funded Cooperative Agreement (NFCA) for a <u>new</u> NFCA		12/29/2008
<ul style="list-style-type: none"> <li>▪ <b>ARIS part of the entry:</b> Items 1-13 will create the 416/417 portion for Line Management review and approval (including the Office of National Programs/National Program Leaders)</li> <li>▪ <b>AIMS part of the entry:</b> Items 14-18 will create the AIMS, which is the official agreement that will be submitted to the Cooperating institution once the 416/417 is approved by ARS line managers</li> </ul>		
<b>Description, format, limitations, and/or examples for each item</b>		
<b>1</b>	Project Title: Limited to 140 characters	
<b>2</b>	Start Date: mm/dd/yyyy	
<b>3</b>	Term Date: mm/dd/yyyy (60 months/five year maximum)	
<b>4</b>	Department: <ul style="list-style-type: none"> <li>• Department name within the University (Agronomy, Plant Pathology, Animal Science)</li> <li>• <b>NOTE:</b> The Department entry never applies to ARS or the research units within a Location.</li> </ul>	
<b>5</b>	Institute: <ul style="list-style-type: none"> <li>• Name of the University or Organization (Colorado State University, Institute for Genomic Research, etc.)</li> <li>• <b>NOTE:</b> The Institute entry should never list ARS.</li> </ul>	
<b>6</b>	Remarks: <u>Establish new NFCA.</u>	
<b>7</b>	Objective: 3,200 character limit. The Objective is written one time only; it is entered into the 416; it will migrate to the AIMS Statement of Work (SOW) portion of the NFCA. It is not necessary to write two separate Objective statements; example is shown below.  Develop a beef cow-calf production system using improved cultivars of grasses and legumes for irrigated pasture application that allows for extended high carrying capacity grazing facilitating the possibility of calving on a quarterly basis instead of once yearly; 2) evaluate livestock preference of pasture legumes and grasses and relative animal performance; and 3) use livestock grazing pressure as a selection tool to breed for persistence of birdsfoot trefoil, alfalfa, tall fescue, timothy, and meadow brome.	
<b>8</b>	Approach: 3,200 character limit. The Approach is written one time only; it is entered into the 416; it will migrate to the AIMS Statement of Work (SOW) portion of the NFCA. It is not necessary to write two separate Approach statements; example is shown below.  Improved germplasm from ongoing ARS programs and breeding populations under investigation will be established in small and large scale research plots. Large scale plots will be used to determine animal performance, carrying capacity and species preference based on weight gain and time spent grazing each species. Small plots will be grazed to determine animal preference among plant genotypes and relative persistence among plant genotypes under heavy grazing. Livestock preference, dry matter production and plant persistence under grazing will be utilized in plant improvement programs.	
<b>9</b>	Keywords. Single keywords are entered on individual lines; phrases are entered on a separate line for each. <b>Examples of single keywords:</b> Water Legume Rangelands Grasslands Nutrients  <b>Examples of phrases:</b> Irrigated Pastures Grass Cultivar Improvement Integrated Pest Management Water Quality Soil Carbon	
<b>10</b>	Investigator (ARS & Cooperator): <ul style="list-style-type: none"> <li>• List each ARS SY participating in the research project; SY time always = 0.00</li> <li>• The Cooperator's PI can also be listed, but do not show the name of the University.</li> </ul>	
<b>11</b>	Reason research cannot be performed by the ARS scientist.  ARS staff does not have the expertise for analyzing potential molecular targets that may be used to genetically or chemically manipulate leafy spurge growth and development. NDSU scientist has expertise in genetics and modifying growth using plant growth regulators. ARS scientist has expertise in genomics, molecular biology, and ecological factors affecting leafy spurge growth and development.	

12	<p>Relevance to Parent Project Block. Explain how funding this SCA will benefit and support the related in-house/parent D project and mission of the Unit.</p> <ul style="list-style-type: none"> <li>▪ Example 1: This NFCA will support the parent project by (1) identifying signaling pathways regulating seed and bud dormancy; and (2) determining the function of individual genes involved in bud and seed growth and development. Research accomplishments will benefit the parent project and mission in helping to devise new integrated pest management strategies for controlling noxious weeds, such as leafy spurge and Canada thistle.</li> <li>▪ Example 2: This research will complement the parent project with new, large-scale rangeland information. Several grazing treatments will be analyzed using optical imagery to determine effects on rangeland biomass and quality. Results will be integrated with the parent project to improve rangeland monitoring and economic assessment.</li> <li>▪ Example 3: Relates to parent project subobjective 3c, Perform SWAT simulations to determine the off-site impacts of USDA conservation practices for the coterminous U.S. (the CEAP National Assessment) and subobjective 3d, Utilize remotely sensed data for use in the comparison of measured and simulated data to determine the effects of land management practices.</li> </ul>
13	<p>ARS Contact Financial Dealings (Conflict of Interest question). Yes or No response is required to this question Do you, or any full-time resident of your household, have any activity or financial interest (dealings) with the Cooperating Institute who will be funded by this SCA? <b>If Yes, provide explanation/details.</b></p>
14	<p>Cooperator's Principal Investigator. Provide the following for the Cooperator's Principal Investigator:</p> <ul style="list-style-type: none"> <li>▪ Full Name (Last, First, MI)</li> <li>▪ Mailing Address, including City, ST/Country, Zip or Postal Code</li> </ul>
15	<p><b>Statement of Mutual Interest narrative.</b> Entered into the Forms/Agreement Info (AIMS)/Forms/SOW Section of the AIMS component. <b>Blue = canned/standard language; Red = revise per the agreement</b></p> <p>Example: <b>Both parties of this agreement are involved with independent research on the physiological and behavioral responses of insects to environmental cues and chemicals.</b> The parties agree that meeting the objectives of this project will serve to strengthen and enhance the research programs of both entities by furthering the understanding of <b>the physiological and behavioral consequences of exposing dipteran insects, such as primary and secondary screwworms and house flies, to cold stress.</b> It is the intention of the parties to this Agreement that the research work shall affirm their mutual interest in cooperative research programs and exchanges and shall be for their mutual benefit and the benefit of the people of the United States. This NFCA supports research conducted under the following National Program(s): <b>NP304/Crop Production and Quarantine</b></p>
16	<p><b>Mutual Agreements: Numbers 1-5 are pre-programmed and default into the Statement of Work based upon data entered elsewhere in the ARIS/AIMS system. Numbers 6-10 are canned language and can be copied/pasted into the AIMS Mutual Agreements block.</b></p> <p>6. ARS employees may not intervene in the employer-employee relationship between the Cooperator and its employees. In addition, ARS may not act so as to hire or otherwise engage in the personnel management of the Cooperator's employees.</p> <p>7. Work performed under this agreement will be done in ARS and University facilities. The Cooperator's personnel are authorized to work in ARS facilities and laboratories pursuant to the Rules of the Workplace listed in the General Provisions. All Cooperator personnel working on this project in ARS facilities shall complete ARS mandated safety training and complete an Emergency Contact Form, which will be kept in the agreement file, when utilizing ARS facilities in (insert the City, State).</p> <p>8. The Cooperator's personnel will conduct work during normal business hours, but on occasion may need access to ARS facilities during non-business hours.</p> <p>9. The Cooperator's personnel are NOT authorized to operate government owned vehicles. The Cooperator's personnel are authorized to be passengers/riders in motor vehicles owned and operated by ARS personnel.</p> <p>10. ARS and the Cooperator will work closely to assure the publications resulting from the research conducted under this cooperative agreement are submitted to the ARS ADODR.</p>
17	<p><b>The Cooperator Agrees To narrative.</b> Black print = required/canned language; <b>Blue print = science/research details.</b></p> <p>1. Work closely with ARS in planning and conducting the research outlined herein.</p> <p>2. To be responsible and accountable for the performance and conduct of all Cooperator employees assigned to the project. ARS does not have authority to supervise Cooperator employees or engage in the employer/employee relationship of the Cooperator.</p> <p><b>3 thru X. Insert the University/Cooperator part of the research project here. There is no limit on the number of research related items that can be entered.</b></p> <p>x. Work closely with ARS to prepare findings for publication in peer-reviewed journals and presentations at meetings and/or commodity groups.</p> <p>x. Provide a brief (1 page, single-spaced) summary report no later than June 1<sup>st</sup> of each year addressing the</p>

following:

- a. The most significant accomplishment of the past year.
- b. The major accomplishments over the life of the project, including their predicted/actual impacts.
- c. The expected accomplishments during the next year.
- d. Any technologies that have been transferred and to whom.
- e. When any technologies are likely to become available to end users.
- f. A listing of publications produced during the period of 1 October- 30 September of the current year.
- x. Unless otherwise specified in the Agreement, the Final Performance Report shall be due from the Cooperator Principal Investigator 90 calendar days following the expiration, completion, or termination date of the Agreement.
- x. The following acknowledgment of Awarding Agency support must appear in the publications of any materials which is based upon or developed under this Agreement (whether or not copyrighted):  
***"This material is based upon work supported by the U.S. Department of Agriculture, Agricultural Research Service, under agreement No. 58-54xx-x-xxx."***  
All such materials must also contain the following disclaimer unless the publication is formally cleared by USDA:  
"Any opinions, findings, conclusion, or recommendations expressed in this publication are those of the author(s) and do not necessarily reflect the view of the U.S. Department of Agriculture."  
x. The Cooperator's Principal Investigator shall submit copies of all publications resulting from the research conducted under this cooperative agreement to the ARS ADODR. The publications will be entered into the ARS publication database for cooperative agreement research accountability purposes and to facilitate data distribution and sharing via the world-wide web. The publication information entered into the ARS publication database will be accessible to the public through the ARS web site(s), including the name of the Cooperator's Principal Investigator and affiliation.

**18 The ARS Agrees To narrative.** Black print = required/canned language; Blue print = science/research details.

- 1. Work closely with the Cooperator in planning and conducting the research outlined herein.
- 2. ARS employees are prohibited from engaging in matters related to the Cooperator's employer/employee relations such as personnel, performance and time management issues. The Cooperator is solely responsible for the administrative supervision of its employees.
- 3. The ARS ADODR will maintain close liaison with the Cooperator through scheduled visits, telephone calls, meetings, or other means to review, monitor, and evaluate research progress and to assist in the planning and coordination of research to be undertaken.
- 4 thru X. Insert the ARS part of the research project here. There is no limit on the number of research related items that can be entered.
- x. Make personnel, specialized equipment, and working space available to the project as required and mutually agreed upon. All such equipment will remain the property of ARS subject to its disposition.
- x. Work closely with the Cooperator to prepare findings for publication in peer-reviewed journals and presentations at meetings and/or commodity groups.
- x. Obtain the annual and final Performance Reports from the Cooperator's Principal Investigator.
- x. The ARS ADODR shall obtain copies of all publications resulting from the research conducted under this cooperative agreement from the Cooperator's Principal Investigator to facilitate data distribution and sharing via the world-wide web.
  - a. The publications will be entered into the ARS publication database (ARIS system) for research accountability purposes for the subject cooperative agreement and will be applied to the ARS Project and Accession Number assigned to this cooperative agreement. The publication(s) will be withheld from the ARS web site until the actual publication date.
  - b. The ARS ADODR will assure the publication information is complete, including the Title, Authors and Affiliations, Journal or Equivalent name, Publication Date and Citation information (including applicable Volume and Page numbers, doi (Digital Object Identifier) information, and journal URL and/or Reprint URL addresses).