

Supplemental and Alternative Crops (SACC) Competitive Grants Program

FY 2018 Request for Applications (RFA)

APPLICATION DEADLINE: April 18, 2018

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

SUPPLEMENTAL AND ALTERNATIVE CROPS COMPETITIVE (SACC) GRANTS PROGRAM

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 p.m. Eastern Time** on April 18, 2018. 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 six months from the issuance of this notice. Comments received after that date will be considered to the extent practicable.

STAKEHOLDER INPUT: We at the National Institute of Food and Agriculture (NIFA) seek your comments about this RFA. We will consider your 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 your written stakeholder comments by the deadline set forth in the DATES portion of this notice via email to Policy@nifa.usda.gov. (This email address is only for receiving comments regarding this RFA and *not* for requesting information or forms.) In your comments, please state that you are responding to the Supplemental and Alternative Crops Competitive Grants Program RFA.

EXECUTIVE SUMMARY: NIFA requests applications for the Supplemental and Alternative Crops Competitive Grants Program (SACC) for fiscal year (FY) 2018 for research to significantly increase canola for oil production in the U.S. The SACC supports research for breeding and testing to develop superior performing canola varieties to expand production across the U.S.; conducting fundamental and applied research; innovating and enhancing planting, cultivating, and harvesting methods for use in production systems that include canola to improve input cost efficiencies and increase total factor productivity; and rapidly transferring new knowledge and technologies to producers and other users through effective extension outreach and other engagement efforts. This is an integrated research and extension program. The anticipated amount available for SACC grants in FY 2018 is approximately \$767,000. This RFA is being released prior to passage of an appropriations act for FY2018. Enactment of additional continuing resolutions or an appropriations act may affect the availability of level of funding for this program.

This notice identifies the objectives for SACC projects, deadline dates, funding information, eligibility criteria for projects and applicants, and application forms and associated instructions needed to apply for a SACC grant.

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PART I—FUNDING OPPORTUNITY DESCRIPTION

A. Legislative Authority

Pursuant to Section 1473D of the National Agricultural Research, Extension, and Teaching Policy Act of 1977 (7 USC 3319d(c)) reauthorized by Section 7122 of the Agricultural Act of 2014, the Secretary of Agriculture, acting through the Director of the National Institute of Food and Agriculture (NIFA), is authorized to make competitive grants to colleges and universities, other Federal agencies, and private sector entities to conduct fundamental and applied research related to the development of new commercial products derived from natural plant material for industrial, medical, and agricultural applications.

B. Purpose and Priorities

The Supplemental and Alternative Crops grant program (SACC) is of importance to United States (U.S.) producers whose livelihood is threatened by the decline in production of certain commodities due to changes in consumer demand or other causes that affect their ability to profitably produce those commodities. The U.S. does not produce enough canola oil to meet its annual domestic consumption needs. Modern canola has major uses in healthy human foods and animal feeds, as a natural pest control when used as a cover crop, and as a feedstock in industrial chemical manufacture and biofuel production. The purpose of this integrated research and extension program is to adapt this multiple-purpose crop to diverse growing regions in the United States, so that canola oil production nationwide can be significantly increased. This effort requires strategically designed research approaches and communication of useful information and transfer of technologies to users as rapidly as possible to increase canola production and farm profitability so more acres are grown and the products made from canola are more cost-competitive to produce and sell.

The SACC program is aligned with the USDA Strategic Goals <https://www.usda.gov/our-agency/about-usda/strategic-goals> and specifically addresses Goal 2, maximize the ability of American agricultural producers to prosper by feeding and clothing the world; Goal 5, strengthen the stewardship of private lands through technology and research, and Goal 7, provide all Americans access to a safe, nutritious and secure food supply. In addition, SACC is aligned with the NIFA Strategic Plan (http://nifa.usda.gov/about/pdfs/strat_plan_2014.pdf), and specifically addresses Strategic Goal 1, Subgoal 1.1.

C. Program Area Description

SACC is an integrated research and extension program to improve canola productivity and profitability for expanded use as a component in sustainable production systems. The SACC applicants are required to establish interdisciplinary, research and extension networks to address national or regional science priority needs of the U.S. canola industry. By bringing together expertise across multiple university, federal agency, and industry organizations and states, the SACC seeks to enhance the effectiveness of limited state, federal, and industry resources to produce greater impacts.

NIFA is soliciting applications for the FY 2018 SACC under the following areas:

1. Testing germplasm and breeding to develop superior performing canola varieties that increase productivity, profitability, and adaptation to an expanded range of U.S. growing environments.
2. Conducting fundamental and applied research and extension activities to develop innovative planting, cultivating, harvesting methods for use in production systems that include canola to improve input cost efficiencies and increase total factor productivity.

Proposals must include stakeholder input in priority setting, project development, and implementation, and pursue regional coordination of canola and canola-related research. Applicants are required to provide evidence of interdisciplinary, multi-regional cooperation, and use the expertise and resources of land-grant and other colleges and universities, Federal agencies, and private industry.

Management Plan: Applications must provide a Management Plan that describes public access to the research results (see Management Plan Section IV.B.c.). For NIFA-funded projects in the areas of plant breeding, genetics and genomics a description and budget plan for the public release of and access to research results (e.g., data, genetic resources, germplasm, and cultivars) will need to be compliant with the award *Terms and Conditions*. The terms and conditions can be found at: https://nifa.usda.gov/sites/default/files/resource/NIFA%20Grant_Cooperative%20Agreement%20General%20Terms%20Oct%202016.pdf. The following sections are particularly relevant: Genetic Resources from Outside of the U.S (page 5); Patents and Inventions including Plant Variety Protection (pages 6-8); and Release of Animal or Plant Genome Sequence Data and Distribution of Animal or Plant Genomic Resources, and the Release or Distribution of Plant Germplasm (page 10-12).

Information Dissemination Plan: The projects must include well-defined information dissemination and extension activities that specifies your target audience including individuals, market segments, communities, or other customer or stakeholder groups that will be served by the project. Such engagement efforts must include a detailed plan and schedule for how science-based knowledge and technology will be quickly and effectively transferred to producers and other users through formal or informal educational programs such as workshops, field days, and other extension, outreach, and engagement activities, as well as published documents including bulletins, extension guides, germplasm or variety releases, licensing agreements, or on-line media.

Technology Readiness Level: Applicants are expected to report the readiness status for commercial use of information or technology components developed through this program for use by growers, seed companies, hay and feed suppliers, or other production system or end-product supply chain participants. As applicable, the readiness status must be reported for the beginning of the project, by identifying information or technology components towards the market place, and the expected advancement by the end of the project. Proposed accomplishments should be described by documenting progress from one technology readiness level (TRL) tollgate to another. See Crop Research TRL worksheet at: <https://nifa.usda.gov/program/agronomic-forage-crops-program>.

Project Directors Workshop: It is the intent of the SACC to require successful applicants to attend at least one Project Director (PD) meeting during the term of their project. The PD meeting may be held in conjunction with other related grant programs, professional scientific, or canola industry meetings, or may be held in NIFA's offices in Washington, DC. For budget development purposes, applicants are required to request funds for attendance to at least one such specified PD meeting (see Part IV, B, 6).

NIFA encourages (but does not require) Integrated Projects that develop content suitable for delivery through eXtension (<https://extension.org/>).

PART II—AWARD INFORMATION

A. Available Funding

The anticipated amount available for SACC grants in FY 2018 is approximately \$767,000. This RFA is being released prior to the passage of an appropriations act for FY 2018. Enactment of additional continuing resolutions or an appropriations act may affect the availability or level of funding for this program.

The **total** project budget cannot exceed a maximum of \$210,000 including indirect costs, for the entire project period. The project period may be from one to three years. There is no commitment by USDA to fund any particular application or to make a specific number of awards.

The Automated Standard Applications for Payment System (ASAP), operated by the Department of Treasury's Bureau of the Fiscal Service, is the designated payment system for awards resulting from this RFA. For more information see

https://www.fiscal.treasury.gov/fsservices/gov/pmt/asap/asap_home.htm.

B. Types of Applications

In FY2018, you may only submit a new application to the SACC Program as one of the following types of requests:

New application. This is a project application that has not been previously submitted to the SACC Program. We will review all new applications competitively using the screening for administrative requirements, review panel evaluation of proposals using evaluation criteria and selection process 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). We must receive renewal applications by the relevant due dates. We will evaluate renewal applications in competition with other pending applications in the area to which they are assigned and review them according to the same evaluation criteria (Part V, B) as new applications. If you are submitting a renewal application, enter the NIFA-assigned award number of the previously-funded application in the Federal field (Field 4 on the form).

Resubmitted application. This is an application that had previously been submitted to the NIFA but not funded. Project Directors (PDs) must respond to the previous review panel summary (see Response to Previous Review, Part IV). We must receive resubmitted applications by the relevant due dates. We will evaluate resubmitted applications in competition with other pending applications in the appropriate area to which they are assigned and review them according to the same evaluation criteria (Part V, B) as new applications. If you are submitting a resubmission

application, enter the NIFA-assigned proposal number of the previously-submitted application in the Federal field (Field 4 on the form).

C. Project and Grant Types

1. Project Types

Only projects that integrate research and extension will be considered. Individual application funding requests may not exceed \$210,000 with a project period of one to three years.

Pursuant to section 1472(c) of the National Agricultural Research, Extension, and Teaching Policy Act of 1977 (7 USC 3318(c)), project periods may be extended but may not exceed five years total. Applicants are required to provide evidence of multi-regional cooperation and, where appropriate, use other relevant and complementary expertise and resources of land-grant and other colleges and universities, other Federal agencies, and private industry.

2. Grant Types: The following is a list of available grant types under this RFA.

(a) Standard. This is an award instrument by which NIFA agrees to support a specified level of effort for a predetermined project period without the announced intention of providing additional support at a future date.

(b) Renewal. This is an award instrument by which NIFA agrees to provide additional funding under a standard award as specified in paragraph (b)(1) of this section for a project period beyond that approved in an original or amended award, provided that the cumulative period does not exceed any statutory time limitation of the award.

D. Responsible and Ethical Conduct of Research

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. Award recipients shall, upon request, make available to NIFA the policies, procedures, and documentation to support the conduct of the training. See <http://nifa.usda.gov/responsible-and-ethical-conduct-research> for more information.

PART III—ELIGIBILITY INFORMATION

A. Eligible Applicants

Applications may only be submitted by colleges and universities (as defined in section 1404 of NARETPA, 7 U.S.C. 3103), other Federal agencies, and private sector entities. 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 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 Oct. 1, 2014, the recipient of an award from the SACC 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 unless one of the exemptions described herein is applicable. Note that NIFA included information at http://www.nifa.usda.gov/business/awards/matching_require.html to further assist you in determining if you must meet the new matching requirement.

The matching funds requirement does not apply to grants awarded:

1. To a research agency of the U.S. 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, D., 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. Entities eligible to receive funds under the 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. Entities eligible to receive funds under the 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 certifications at <http://www.nifa.usda.gov/form/form.html> and for attaching the certification, in Part IV, B of this RFA);
- i. Entities eligible to receive 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; and
- j. Individual public or private, nonprofit Alaska Native-Serving and Native Hawaiian-Serving Institutions of higher education (see 20 U.S.C. 1059d).

Proposal submissions to this RFA may indicate that multiple entities will complete work as a collaborative partnership. All partners must have a substantial involvement in the project throughout the life of the project. Proposals for partnerships among multiple entities must clearly identify the following:

- 1) A narrative that clearly establishes each entity's role in the project;
- 2) How each project partner will contribute to execution of project objectives; determine experimental design; develop the project work plan and time table; and submit 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 multiple entities, as partners, complete work on the project, and at least one entity is exempt from the matching requirement under #2 above, the entire project will be exempt from the matching requirement. Any partner entity may serve as the lead entity on the project. All partners must be significantly involved in the project.

NIFA will examine proposals recommended for award to determine if the proposed division of work reflects substantial involvement of all entities involved. If a proposal is recommended for award to a lead entity that is 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 for 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 (NAREEEAB) for the year involved. Refer to the [2014 Research, Education and Economics Action Plan](#) to determine whether proposed activities are consistent with the priorities of the NAREEEAB. See R&R Budget under Part IV, B, 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 information about the pre-award phase of the grant lifecycle see <http://www.grants.gov/web/grants/learn-grants/grants-101/pre-award-phase.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 two 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 to 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/applicants/adobe-software-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/download-application-package.html> and enter the funding opportunity number where appropriate

Funding Opportunity Number: USDA-NIFA-OP-006533

Click “Search.” On the displayed page, click the corresponding link to continue. A Grant Application Package is tied to a particular funding opportunity. You may submit an application ONLY to the particular funding opportunity to which the Grant Application Package is associated.

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 (<https://www.grants.gov/web/grants/support.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. EST).

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

Electronic applications are to be prepared 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** you need 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 whether 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. EST, 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. See Part V, Section 2.18 of the NIFA Grants.gov Application Guide for the required certifications and assurances (e.g., Prohibition Against Entities Requiring Certain Internal Confidentiality Agreements).

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

Detailed information related to the questions on this form is available in Part V, 3 of the NIFA Grants.gov Application Guide.

3. R&R Other Project Information Form

Detailed information related to the questions on this form is available 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 SACC. 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 18 pages of written text and up to three additional pages for figures and tables. We have established this maximum (21 pages) to ensure fair and equitable competition. The Project Narrative must include all of the following:

1. Introduction. First identify which of the two program areas you are applying for and the percentage (%) of your project in each area. Clearly state the high priority need of the canola industry, who will benefit and how they will benefit, and the research goals. Summarize the body of knowledge or other past activities related to your proposed research citing the work of key project personnel or others that are relevant to the project. Preliminary data or information pertinent to the proposed research should be included in this section. Describe the qualifications of key personnel, adequacy of facilities, and the project management capability of the applicant institution.
2. Rationale and Significance. Concisely present the rationale behind the proposed research as it relates to canola production. This section should address:
 - The priority-setting process and method of engaging stakeholder involvement in problem identification, planning, implementation of the research, evaluation, and utilization of results.
 - Describe any coordination of the research in national or regional efforts, and how this research complements other work conducted by land-grant and other universities, Federal agencies, and industry.
 - Discuss novel ideas or contributions that the proposed project offers.
 - For renewal applications, this section should include a progress report.
3. Objectives: Include a list of project objectives for the goal(s).

4. Approach. Describe how you will address each stated objective. Include in your approach:
 - Methods to be used in carrying out the research and extension components.
 - Means by which results will be analyzed, assessed, and interpreted.
 - A detailed description of how you will communicate your findings and transfer technologies to intended users (Information Dissemination Plan).
 - A clear description of each team members' role and responsibility to the project.
 - For the entire project, a timeline that outlines all important phases as a year-by-year function of time, including periods beyond the grant funding period.

5. Expected outcomes and benefits. Projects must include a clear description of the expected accomplishments and how research's progress and benefits (outputs and outcomes) will be tracked and measured. This section can include:
 - Anticipated specific uses for your results or products.
 - Specific changes in knowledge about canola crops and their performance that will directly result from your research. Also, present status and expected advancement of information or technology components towards the market place measured as technology readiness level (TRL).
 - Performance measures such as number of new canola acres planted, increased seed sales, relative changes in land use, enhanced sustainability of production systems, or change in market share.
 - Estimated increases in profit or risk reductions from growing canola, or other quantitative measures of impact.
 - Describe the potential long-term benefits of utilizing the new technology based on current knowledge and practice, and the estimated impact on the canola industry and American agriculture.

6. This requirement only applies to Resubmitted Applications as described in Part II, B. The Project Narrative attachment is to include two components: a) a one-page response to the previous review (containing the previous proposal number in the first line) titled "Response to Previous Review" as the first page of the attachment and b) the 18 page Project Narrative, as required (see Part IV, C. 3. b., above). The one-page "Response to Previous Review" does not count against the 18-page limit of the Project Narrative.

7. This requirement only applies to Renewal Application (see Part II B). Renewal applications must provide a progress report within section two of the Project Narrative, detailing, for each objective of the original project award: a) project activities, both completed and continuing; b) results and outputs from those activities; and c) significant outcomes and impacts. The report should be embedded into the project narrative and not bring the narrative to more than the maximum 18 pages. There are no extra pages given for the progress report. Additionally, please include the NIFA proposal number or award number from the original project.

NOTE: Appendices to the Project Narrative are allowed if they are directly germane to the proposed project. Do not add appendices to circumvent the page limit.

c. Field 12. Add Other Attachments

See Part V. Section 4.12 of the NIFA Grants.gov Application Guide (Field 12 on the form) for instructions regarding mandatory Felony Convictions or Tax Delinquent Status.

Non-Land Grant College of Agriculture (NLGCA) Certification. If you claim exemption from the new matching requirements as a NLGCA, then you must attach the NLGCA certification letter you requested and received from NIFA. Title the attachment ‘NLGCA Certification’ and save the file as ‘NLGCACertification.’ To request certification as an NLGCA, complete the form at <http://www.nifa.usda.gov/form/form.html>. Note that certification can take up to 30 days from submission of request form. **See Part III Section 3.1 of the NIFA Grants.gov Application Guide for NIFA attachment specifications.**

Technology Readiness Level (TRL) (Mandatory filled form, in addition to project narrative): It is mandatory that applicants include information on the readiness status for commercial use of information or technology components developed through this program. Each project is required to submit a project level technology readiness table in addition to individual readiness levels for each technology the project addresses. In addition, the technology development will be paired with outcomes which will create a full project view of the commercial value of the project’s objectives. Details on how this information is required to be formatted can be found within the Crop Research TRL Worksheet, available on the NIFA website: <https://nifa.usda.gov/program/agronomic-forage-crops-program>.

Management Plan (including Data Management Plan) (Mandatory, 1-2 pages, in addition to project narrative): The management plan is to be clearly articulated and include an organizational chart, administrative timeline, and a description of how the project will be governed, as well as a strategy to enhance coordination, collaboration, communication, and data sharing and reporting among members of the project team. The plan must also address how the project will be sustained beyond termination of an award, if relevant.

The management plan should describe how the quality, expected measurable outcomes, and potential impacts for the proposed research, education and/or extension will be evaluated. Please include rationale for their role, and how they will function effectively to support the goals and objectives of the project. The plan must demonstrate how partners contribute to project assessment.

In addition, applications must provide a description and budgeted plan for releasing germplasm, cultivars, or other genetic resources that is compliant with the [Research Terms and Conditions](#) that govern NIFA-funded projects in the areas of plant breeding, genetics and genomics. The terms and conditions can be found at: www.nsf.gov/pubs/policydocs/rtc/agencyspecifics/nifa_1014.pdf. The following sections are particularly relevant: Genetic Resources from Outside of the U.S (page 5); Patents and Inventions including Plant Variety Protection (pages 6-8); and Release of Animal or Plant Genome Sequence Data and Distribution of Animal or Plant Genomic Resources, and the Release or Distribution of Plant Germplasm (pages 10-12).

The plan should describe the data management (DM) as well. It should clearly articulate how the project director (PD) and co-PDs plan to manage and disseminate data generated by the project. This includes the type of data, its format, how it will be stored and shared and who is responsible to ensure these items.

- a. **Expected Data Type:** Describe the type of data (e.g. digital, non-digital) and how they will be generated (lab work, field work, surveys, etc.). Are these primary or metadata?
- b. **Data Format:** For scientific data to be readily accessible and usable it is critical to use an appropriate community-recognized standard and machine readable formats when they exist. The data should preferentially be stored in recognized public databases appropriate for the type of research conducted. Regardless of the format used (notebook, samples, images, spreadsheet, etc.), that data set should contain enough information to allow independent investigators to understand, validate, and use the data.
- c. **Data Storage and Preservation:** Applicants should outline strategies, tools, and contingency plans that will be used to avoid data loss, degradation, or damage during the project and long term.
- d. **Data Sharing and Public Access:** Describe your data access and sharing procedures during and after the grant. Provide any restrictions such as copyright, confidentiality, patent, appropriate credit, disclaimers, or conditions for use of the data by other parties.
- e. **Roles and Responsibilities:** Who will ensure implementation? This is particularly important for multi-investigator and multi-institutional projects. Provide a contingency plan in case key personnel leave the project. Also, what resources will be needed for the DMP? If funds are needed, have they been added to the budget request and budget narrative? Projects must budget sufficient resources to develop and implement the proposed DMP.

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

Detailed information related to the questions on this form is available in Part V, 5 of the NIFA Grants.gov Application Guide. This section of the guide includes instructions about senior/key person profile requirements, 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. Part V.6 also notes the importance and use of the information. However, NIFA strongly recommends applicants provide the requested information to help NIFA identify and address any inequities based on gender, race, ethnicity, or disability of its proposed PDs/PIs and co-PDs/PIs. Information not submitted will seriously undermine the statistical validity, and therefore the usefulness, of information received from others. The information you submit will be kept confidential and will be used only for tracking and statistical purposes necessary to meet the demands of the agency and will not be part of the review process.

6. R&R Budget

Detailed information related to the questions on this form is available in Part V, 7 of the NIFA Grants.gov Application Guide.

Matching Funds

If you conclude that matching funds are not required as specified under Part III, B Cost-Sharing or Matching, you must include an explanation for your conclusion in the Budget Justification. We will consider this justification when determining final matching requirements or if required matching can be waived. NIFA retains the right to make final determinations regarding matching requirements.

For grants that require matching funds as specified under Part III, B, the Budget Justification must list matching sources along with the identification of the entity(ies) providing the match as well as the total dollar amount being pledged. NIFA is no longer requiring written verification of commitments of matching support (a pledge agreement). However, you are still subject to documentation, valuing and reporting requirements, etc. as specified in 2 CFR Part 200, “Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal Awards (the Uniform Guidance),” 7 CFR 3430, “Competitive and Noncompetitive Non-Formula Federal Assistance Programs – General Award Administrative Provisions,” and program-specific regulations, as applicable. In instances where match is required, any resulting award will require the signature of an Authorized Representative. Only when NIFA receives the award signed by the AR will award funds be released and available for drawdown.

You must establish the value of applicant contributions in accordance with applicable cost principles. Refer to 2 CFR Part 200, “Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal Awards (the Uniform Guidance),” for further guidance and other requirements relating to matching and allowable costs.

Indirect Costs

For further information and instructions regarding indirect costs, refer to Part V, section 7.9 of the NIFA Grants.gov Application Guide. For indirect cost funding restrictions, refer to Part IV, D. of this RFA.

Project Director Workshop

The SACC requires successful applicants or a designee to attend at least one project director workshop during the term of their project. For the purposes of budget development, applicants are required to request funds for travel for attending at least one such workshop. The request for these funds should be clearly indicated in the budget narrative section of the application.

7. Supplemental Information Form

Detailed information related to the questions on this form is available 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 “**Canola Research**”) and the program code (i.e., enter “**HW**”). 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

We recommend that you conduct an administrative review of the application before submission of it via Grants.gov to ensure that it complies with all preparation instructions. An application checklist is included in Part VII of the NIFA Grants.gov Application Guide to assist with this review.

This is not an exhaustive list of required items; it only serves to highlight items that are often overlooked. The checklist should be used in addition to this to ensure your application is complete. Please double check you have included the following items:

- Crop Research Technology Readiness Level (TRL) description of information and technology advancement
- Management Plan
- Current and Pending Support forms for each PD and Co-PD
- Progress Report (for renewal applications only, integrated within project narrative)
- Signed Tax and Felony Certification Form

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 p.m. Eastern Time on April 18, 2018.** 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. We strongly encourage you to provide accurate email 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 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, you should cite this number on all future correspondence.**

D. Funding Restrictions

Section 713 of the Consolidated Appropriations Act, 2017 (Pub. L. 115-31) limits indirect costs to 30 percent of the total federal funds provided (or 42.857 percent of total direct costs) under each award. Similar language may be included in the FY 2018 appropriation, therefore, 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.

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 two-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:

- 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;
- the need to include experts from various areas of specialization within relevant scientific, education, or extension fields;
- the need to include 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;
- the need to include 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;
- the need to maintain a balanced composition with regard to minority and female representation and an equitable age distribution; and
- the need to include reviewers who can judge the effective usefulness of each application to producers and the general public.

After each peer review panel has completed its deliberations, the responsible program staff of SACC will recommend that your project be approved for support from currently available funds or be declined due to insufficient funds or unfavorable review.

SACC 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.

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

B. Evaluation Criteria

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

1. Conceptual adequacy (20 points). Application clearly states which research area(s) of canola research is/are to be addressed, and the specified objectives are relevant to RFA purpose and priorities and potentially attainable within project time, scope, and budget.

2. Design (40 points). The application's methodologies and analytical approaches are appropriate to project objectives, and effectively integrate the research and extension activities. The application demonstrates understanding of a whole system(s) approach, and discusses how the project will contribute to a part or the whole of an integrated solution to the identified problem. Even if a single component is the focus of the project, the proposal must provide a thorough analysis of the broader systems context for why that component is critical. If the project is a renewal, a clear division between past work and future work should be described (the Crop Research TRL can be used to explain the differences in past and proposed future research.)
3. Appropriate use of a regional, interdisciplinary, and industry-engaged approach (10 points). Application documents the bringing together of needed expertise in biological sciences, physical sciences and engineering, socio-economic sciences, extension, and program evaluation, as well as participation from principal stakeholders and partners. Project goals should address ways to increase the productivity and profitability of canola systems.
4. Outreach plan (20 points). Application includes a detailed Extension-engagement-outreach plan and schedule for how information, knowledge, and technology will be delivered to those served by the project. A description of how impacts will be measured and reported is included.
5. Overall feasibility and appropriateness of budget (10 points). The likelihood that the project will help maintain or expand the use and acreage of canola grown in the U.S. Budget allocations should reflect the personnel and tasks associated with the activities needed to accomplish your objectives. In the budget plan, describe how this program's funding complements other funding sources including Federal capacity and competitive funds, and state, industry, and other kinds of support.

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 one-time, with updates on an as-needed basis. This requirement is part of the responsibility determined 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 pre-award 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 SACC 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, the information described in [2 CFR 200.210](#).

See <http://www.nifa.usda.gov/business/awards/awardterms.html> to view current NIFA award terms and conditions.

C. Administrative and National Policy Requirements

Several federal statutes and regulations apply to grant applications considered for review and to project grants awarded under this program. These may include, but are not limited to, the ones listed on the NIFA web page – <http://nifa.usda.gov/federal-regulations>.

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—is available at <http://nifa.usda.gov/policy-guide>.

Responsible and Ethical Conduct of Research

Refer to Part II, D for more information.

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, they will be identified in the award.

Proposal requirement changes: Please note this year progress reports for renewal applications will not be allowed extra pages. In addition, a technology readiness level form must be submitted with each project.

PART VII—AGENCY CONTACT

Applicants and other interested parties are encouraged to contact:

Programmatic Contact –

Ann Marie Thro

Title: National Program Leader

Unit: Institute of Food Production and Sustainability

Location: 3192 Waterfront Centre

[Full Address and Directions](#)

Phone: (202) 401-6702

Fax: (202) 401-6156

Email: athro@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

Email: csherony@nifa.usda.gov

Administrative/Business Contact –

Bruce Mertz

Title: Team Leader

Unit: Office of Grants and Financial Management

Location: 2174 Waterfront Centre

[Full Address and Directions](#)

Phone: (202) 401- 5062

Fax: (202)-401-6271

Email: bmertz@nifa.usda.gov

Sondra Watkins

Title: Team Leader

Unit: Office of Grants and Financial Management

Location: 2170 Waterfront Centre

[Full Address and Directions](#)

Phone: (202) 401- 4249

Fax: (202)-401-3237

Email: swatkins@nifa.usda.gov

PART VIII—OTHER INFORMATION

A. 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 Budget or Project Plans

In accordance with [2 CFR 200.308](#), awardees must request prior approval from NIFA for the following program or budget-related reasons:

- (i) Change in the scope or the objective of the project or program (even if there is no associated budget revision requiring prior written approval).
- (ii) Change in a key person specified in the application or the federal award.
- (iii) The disengagement from the project for more than three months, or a 25 percent reduction in time devoted to the project, by the approved project director or principal investigator.
- (iv) The inclusion, unless waived by the federal awarding agency, of costs that require prior approval in accordance with 2 CFR 200 Subpart E—Cost Principles of this part or 45 CFR Part 75 Appendix IX, “Principles for Determining Costs Applicable to Research and Development under Awards and Contracts with Hospitals,” or 48 CFR Part 31, “Contract Cost Principles and Procedures,” as applicable.
- (v) The transfer of funds budgeted for participant support costs as defined in §200.75 Participant support costs to other categories of expense.
- (vi) Unless described in the application and funded in the approved federal awards, the subawarding, transferring or contracting out of any work under a federal award, including fixed amount subawards as described in §200.332 Fixed amount subawards. This provision does not apply to the acquisition of supplies, material, equipment, or general support services.
- (vii) Changes in the approved cost-sharing or matching provided by the non-federal entity.
- (viii) The need arises for additional federal funds to complete the project.

The awardee will be subject to the terms and conditions identified in the award. See <http://www.nifa.usda.gov/business/awards/awardterms.html> for information about NIFA award terms.

B. 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 of Agriculture 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. We will retain for three years a copy of an application that does not result in an award. 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.

C. Regulatory Information

This program is not subject to the provisions of 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.

D. Definitions

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

E. Materials Available on the Internet

SACC program information is available on the internet in two different places. Specific program information on contacts and RFA updates are available on the NIFA Website at <https://nifa.usda.gov/funding-opportunity/supplemental-and-alternative-crops-sacc>. Information on the Technology Readiness Level can be found at <https://nifa.usda.gov/program/agronomic-forage-crops-program>.